Converse Environmental Consultants California

CONVERSE ENVIRONMENTAL
new name for
CONVERSE ENVIROMENTAL CONSULTANTS CALIFORNIA

55 Hawthorne Street, Suite 500
San Francisco, California 94105

Telephone **415 543-4200**
FAX 415 777-3157

September 13, 1989
88-44-361-01-173

Ms. Dyan Whyte
Water Resource Control Engineer
San Francisco Bay Regional Water Quality Control Board
1111 Jackson Street, Sixth Floor
Oakland, California 94607

Subject: Shell Oil Company - Monthly Groundwater Monitoring Report
500 40th Street
Oakland, California

Dear Ms. Whyte:

Enclosed please find one copy of the Shell Oil Company Monthly Groundwater Monitoring Report for August 1989 prepared by Converse Environmental West (CEW) - San Francisco.

Analytical results of groundwater samples collected September 11, 1989, will be presented in the Quarter 3 Report for the site. That report, scheduled for delivery on or before October 23, 1989, will include details of investigative activities and a comprehensive review of site water quality during the quarter.

Please call if you have any questions.

Very truly yours,

Converse Environmental West

Douglas W. Charlton
Vice President

Marc I. Yalom
Project Manager

DWC:fs
Enclosure

cc: Ms. Diane Lundquist - Shell Oil Company - (w/encl.)
Mr. Rafat Shahid - Alameda County Health - (w/encl.)
Ms. Robin Breuer - CEW - (w/encl.)

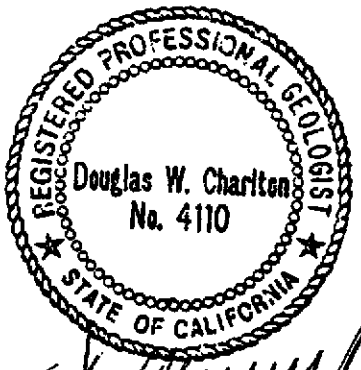
500 40th\173

FORMER GASOLINE STATION

SHELL OIL COMPANY
500 40TH Street
Oakland, California

September 13, 1989

CEW Project No. 88-44-361-01



DOUGLAS W. CHALRTON
Principal Geologist

This report has been prepared by the staff of **Converse Environmental West (CEW)** under the professional supervision of the Engineer and/or Geologist whose seal(s) and signature(s) appear hereon.

The findings, recommendations, specifications or professional opinions are presented, within the limits prescribed by the Client, after being prepared in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either express or implied.

Converse Environmental West

REPORT OF ACTIVITIES

SHELL OIL COMPANY FACILITY
500 40th Street
Oakland, California

For August 1989
Submitted: September 12, 1989

RWQCB Representative:	Ms. Dyan Whyte Waste Water Control Engineer San Francisco Bay RWQCB 1111 Jackson Street, Sixth Floor Oakland, California 94607
LIA Representative:	Mr. Rafat Shahid Alameda County Health Services Agency Hazardous Materials 80 Swan Way, Room 200 Oakland, California 94621
Shell Engineer:	Ms. Diane Lundquist Environmental Engineer
Converse Project Manager:	Marc I. Yalom, Project Manager 55 Hawthorne Street, Suite 500 San Francisco, California 94105 (415) 543-4200
Registered Geologist in Charge:	Douglas W. Charlton, Principal Geologist 55 Hawthorne Street, Suite 500 San Francisco, California 94105 (415) 543-4200
Site Owner:	A.M.S. Partnership

1. SITE DESCRIPTION

1.1 Maps

Vicinity Map: See Drawing 1
Plot Plan: See Drawing 2

1.2 Neighborhood Topography

Slopes gently westward towards San Francisco Bay.

1.3 Primary Surface Waters Nearby

San Francisco Bay is located approximately 1.5 miles to the west.

1.4 Water Table Information

August 1989 Depth to Water: Approximately 12' below grade.
Depth to Highest High Water: Approximately 11' below grade by redox boundary in soils.

2. INVESTIGATION HISTORY

2.1 Soil Borings Drilled to Period Start

B-1 through B-11 (IT 1982-84)
MW-2 through MW-4 (CEW [formerly CECC] 5/89)

2.2 Soil Borings Abandoned to Period Start

B-1 through B-11 (Date Unknown).

2.3 Groundwater Wells Drilled to Period Start

B-1 through B-11 (IT 1982-84)
MW-2 through MW-4 (CEW 5/89)

2.4 Groundwater Wells Abandoned to Period Start

B-6 was abandoned by IT in June, 1986. No records are available for abandonment of the other B-series wells. These wells are covered with pavement or buildings, and they can not be located.

2.5 Investigative History Summary

TABLE 1: Chronological Summary

DATE	DESCRIPTION OF ACTIVITY
7/82	IT installed 8 six inch diameter groundwater monitoring wells to 30 feet bgs. onsite. The wells were screened from 5 to 30 feet bgs. Combustible vapors were detected in the storm sewer system in the BART Station across the street.
7/82	IT Progress Report 1: Well installations and constructions were reported, and free product was noted in wells B-7 and B-8. Groundwater gradient was shown to be westward, towards the BART Station. (See Attachment 1 for well construction diagrams.)
11/82	IT Progress Report 6: Groundwater gradient still towards well B-3. From September 1 to November 19, 1982, IT removed 35 pints of product from B-4. Well TOCs were re-surveyed and groundwater gradient was confirmed toward B-3. Maximum product thickness was in B-4, at several inches.
12/82	IT Progress Report 7: Product thickness increased in B-3 in apparent response to rising water table. Product in B-4 remained at several inches.
1/83	IT Progress Report 8: Product in B-4 had diminished to film thickness.
2/83	IT Progress Report 9: Rainfall records were researched, and the relationship between rainfall, water table and product removed was charted by graph. Amount of product in B-4 appeared to vary inversely with water table; as water table rose with winter rains, the amount product in B-4 dropped. IT proposed that product was displaced downgradient as water table rose.
3/83	IT Progress Report 10: Vapor concentrations of TPH (expressed as percent lower explosive limit) were rising in wells B-1, B-2, B-3 and B-7. No product was measurable in B-4.
6/83	Rapid reappearance of product in well B-4, from negligible in May to 4+ feet by June 30 and 6.34 feet on July 15. Increase was also measured B-3, to a thickness of 0.66 feet in July. IT concluded that a reservoir of product existed in the tank backfill, and that as water table dropped in summer time this reservoir was allowed to escape by way of gravel lenses which were saturated at high water table seasons.
7/83	IT installed 8 inch diameter monitoring wells B-9 and B-10 to 20 feet bgs in native soils next to the tank backfill.
8/83	IT Progress Report 11: IT repeated the concept that product was released in surges through gravel lenses exposed to the water table during summer.
8/83	IT installed groundwater monitoring well B-11 and sand backfill in the southwest corner of the tank bed. No free-flowing product was encountered in this well.
9/83	IT drilled two 18 inch diameter borings to 30 feet bgs and completed same as 12 inch diameter recovery wells with screen intervals from 5 to 30 feet bgs. These wells, R-1 and R-2, were located near wells B-3 and B-4, directly west of the tank backfill.
10/83	IT purged and developed wells R-1 and R-2, holding a strong depression on the water table for 2 hours.
11/83	According to IT reference, the tanks were removed and, as part of this excavation wells R-1 and R-2 were also removed. No information was provided on tank excavation or associated soils/groundwater testing and reporting to regulatory agencies.
1/84	IT Progress Report 13: Wells B-3 and B-4 continued to contain measurable product, to thicknesses of 2 feet. In general, product thicknesses decreased during December and January. Product thicknesses also decreased after tank removal. Groundwater piezometric map showed a west-trending, low area encompassing wells R-1, R-2, B-3 and B-4. This extended offsite, suggesting a paleodrainage which controlled product collection and migration offsite.

CHRONOLOGICAL SUMMARY
Continued

DATE	DESCRIPTION OF ACTIVITY
5/84	IT Report: The thicknesses of product in B-3 and B-4 measured from several inches to one foot during the period January to May 1984.
7/84	IT Report: Product thicknesses increased starting in mid-May in response to lowering water tables. This pattern was similar to the pattern observed in 1983.
8/84	IT Report: The thickness of product in B-3 remained one foot, while the amount of product in B-4 decreased. IT recommended looking for possible upgradient offsite sources.
9/84	IT Report: The thickness of product in B-4 started to increase (still at less than one inch) while the thickness of product in B-3 decreased (still on the order of one foot).
10/84	IT Report: New construction was noted.
1/85	IT Report: The thickness of product of B-3 had decreased to several inches and B-4 contained negligible measurable product. This pattern of decreasing product in the winter (high water table) months was consistent with that observed in the winters of 1982-83, and 1983-84.
2/85	IT Report: Significant measurable gasoline (1.64 feet) was discovered in B-8. The gasoline appeared degraded and "old". IT concluded that this gasoline could be from the same source as that contributing to observed in wells B-3 and B-4.
6/85	IT Report: Product thicknesses in B-3, B-4 and B-8 decreased from January to mid-May, with a dramatic decrease in B-8. IT repeated its interpretation that product thickness decreased as water tables rose and increased as water tables fell. IT further proposed that the product was trapped in permeable lenses, and migrated to different geographic areas as the water tables rose and fell.
12/85	IT Report: The thickness of product in B-3 increased to approximately 2 feet during the summer, showing the seasonal increase of prior years period. Simultaneously, no product was measured in B-8 after June 3, and product reappeared in B-2 in September and October. Product thickness in B-4 fluctuated at less than one foot thick during this period. IT recommended installing a recovery extraction trench along the west boundary of the property.
5/86	IT Quarterly Report: Product thickness decreased in wells B-3 and B-4 in response to seasonal rise in the water table.
6/86	IT requested permission to abandon B-6.
7/86	IT stated that Shell planned to remove the underground storage tanks in the near future.
8/86	IT Quarterly Report: IT noted seasonal decline in water table and negligible measurable product in wells B-2 and B-4, with approximately 2 feet of floating product in B-3.
9/86	A groundwater sample from B-3 contained volatile organics: 0.90 ppm; benzene: 0.32 ppm; toluene: 0.23 ppm; xylene: 0.16 ppm.
1/04/87(?)	A commercial shopping center building was erected on the property, covering wells B-2, B-6, B-7, B-9 and B-10. Wells B-1, B-3, B-4, B-5 and B-8 were covered by site parking and a rear driveway.
1/89	Shell transfers project to CEW.
4/07/89	Revised Work Plan submitted to RWQCB.
5/23/89	Monitoring wells MW-2, MW-3 and MW-4 installed, soil sampled.
6/20/89	Groundwater sampled, wells MW-2 through MW-4.
7/07/89	CEW issues Quarterly Report.
7/19/89	Groundwater sampled, wells MW-2 through MW-4.

CHRONOLOGICAL SUMMARY
Continued

DATE	DESCRIPTION OF ACTIVITY
8/01/89	Right-of-Entry Agreement sent to property owners of 518 40th Street.
8/04/89	CEW issues monthly monitoring report.
8/08/89	Groundwater sampled, wells MW-2 through MW-4.

3. WORK COMPLETED THIS PERIOD

3.1 Introduction

Work initiated and completed during August 1989 followed the task descriptions and modifications of the site Work Plan dated April 5, 1989.

3.2 Soil Boring Drilling/Sampling Well Installations

A Right-of-Entry Agreement with the property owners of 518 40th Street was needed by Shell prior to installation of three onsite wells sited on the west edge of 500 40th Street (Drawing 3). The Agreement was sent to the property owners of 518 40th Street on August 1, 1989. On August 29, 1989, the property owners indicated the Agreement was being reviewed by their attorneys. As of September 12, 1989, the Right-of-Entry had not been received by Shell or CEW.

No soil boring drilling, sampling, or well installations occured during August 1989.

3.3 Groundwater Analysis and Results

Groundwater samples were collected from 3 onsite wells, properly packaged and transferred to a California State-certified analytical laboratory under proper chain-of-custody and preservation (see Quarter 2 Report of Activities, Appendices E and F). The samples were analyzed for TPH (as gasoline, diesel and motor oil), and BTEX (EPA Methods 3150, 5030, 8015 and 602). The analytical results are summarized in Table 2, and certified sheets from all analyses are enclosed as Attachment 1.

TABLE 1: Summary of Groundwater Monitoring Well Installations

Well No.	Date Installed	Diameter Well (in)	TD (ft bgs)	Screen (ft bgs)	Bentonite Seal (ft bgs)	Grout Seal (ft bgs)
MW-2	5/22/89	12	25	20.0-9.0	9.0-7.0	7.0-0
MW-3	5/23/89	12	21	19.0-9.5	9.5-8.0	8.0-0
MW-4	5/23/89	12	20	15.5-9.5	9.5-7.5	7.5-0

TABLE 2: Groundwater Analytical Results (ppm)

Well No.	Sample Date	TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Xylenes	Lead
MW-2	6/20/89	0.8	<0.01	0.046	0.0068	0.0027	0.056	NA
MW-2	7/18/89	1.4	0.4	0.033	0.0056	0.024	0.073	0.003
MW-2	**8/08/89**	**0.23**	**0.50**	**0.0045**	**<0.0005**	**<0.0015**	**0.011**	**NA**
MW-3	6/20/89	2.3	<0.1	0.18	0.15	0.054	0.80	NA
MW-3	7/18/89	1.5	9.1	0.085	0.034	0.010	0.12	0.002
MW-3	**8/08/89**	**2.5**	**0.71**	**0.13**	**0.073**	**0.0035**	**0.33**	**NA**
MW-4	6/20/89	<0.05	<0.01	<0.0005	<0.0015	<0.0015	<0.0015	NA
MW-4	7/18/89	<0.05	<0.05	<0.0005	<0.0015	<0.0015	<0.0015	0.003
MW-4	**8/08/89**	**<0.05**	**<0.05**	**<0.0005**	**<0.0005**	**<0.0015**	**<0.0015**	**NA**

NA - Not Analyzed.

3.4 Physical Monitoring Results

Three wells were physically monitored for depth to water table, and measurement of floating product, if any. A summary of these results is presented in Table 3.

TABLE 3 Physical Monitoring Results: Evidence of Contamination

Well No.	Date	Depth to Water (ft)	Petroleum Water Odor	Thickness Floating Product (inches)	Notes
MW-2	6/19/89	11.91	None	None	Soft sed. in bottom
MW-2	7/18/89	11.98	None	None	
MW-2	**8/08/89**	**12.00**	**Slight**	**None**	
MW-3	6/19/89	10.99	None	None	Soft sed. in bottom
MW-3	7/18/89	11.05	Slight	None	
MW-3	**8/08/89**	**11.07**	**Slight**	**None**	
MW-4	6/19/89	12.18	None	None	No seds.
MW-4	7/18/89	12.21	None	None	
MW-4	**8/08/89**	**12.23**	**None**	**None**	

4. REVIEW OF DATA AND INTERPRETATIONS

4.1 Groundwater Elevation and Gradient (See Drawing 4)

- Groundwater gradient remains south, at 0.007 ft/ft.
- The gradient is unchanged from July to August 1989.
- The groundwater elevation declined 0.02 ft from July to August 1989.

4.2 Distribution of Dissolved MVF Contamination in Groundwater (See Drawings 5 and 6)

- TPH-g was detected at MW-2 (0.23 ppm) and MW-3 (2.5 ppm).
- TPH-d was detected at MW-2 (0.50 ppm) and MW-3 (0.71 ppm).
- Benzene was detected at MW-2 (0.0045 ppm) and MW-3 (0.13 ppm).

- Toluene was detected at MW-3 (0.073 ppm).
- Ethylbenzene was detected at MW-3 (0.0035 ppm).
- Xylenes were detected at MW-2 (0.011 ppm) and MW-3 (0.33 ppm).
- No contamination was detected at MW-4.
- Consistent monthly changes in contaminant concentrations were not apparent at MW-2 and MW-3.
- Consistent monthly concentration ratios of TPH-g to TPH-d were not apparent at MW-2 and MW-3.

4.3 Distribution of Floating Product on Groundwater

- No floating product was observed during June, July, or August 1989 monitoring.

5. WORK PLAN MODIFICATIONS

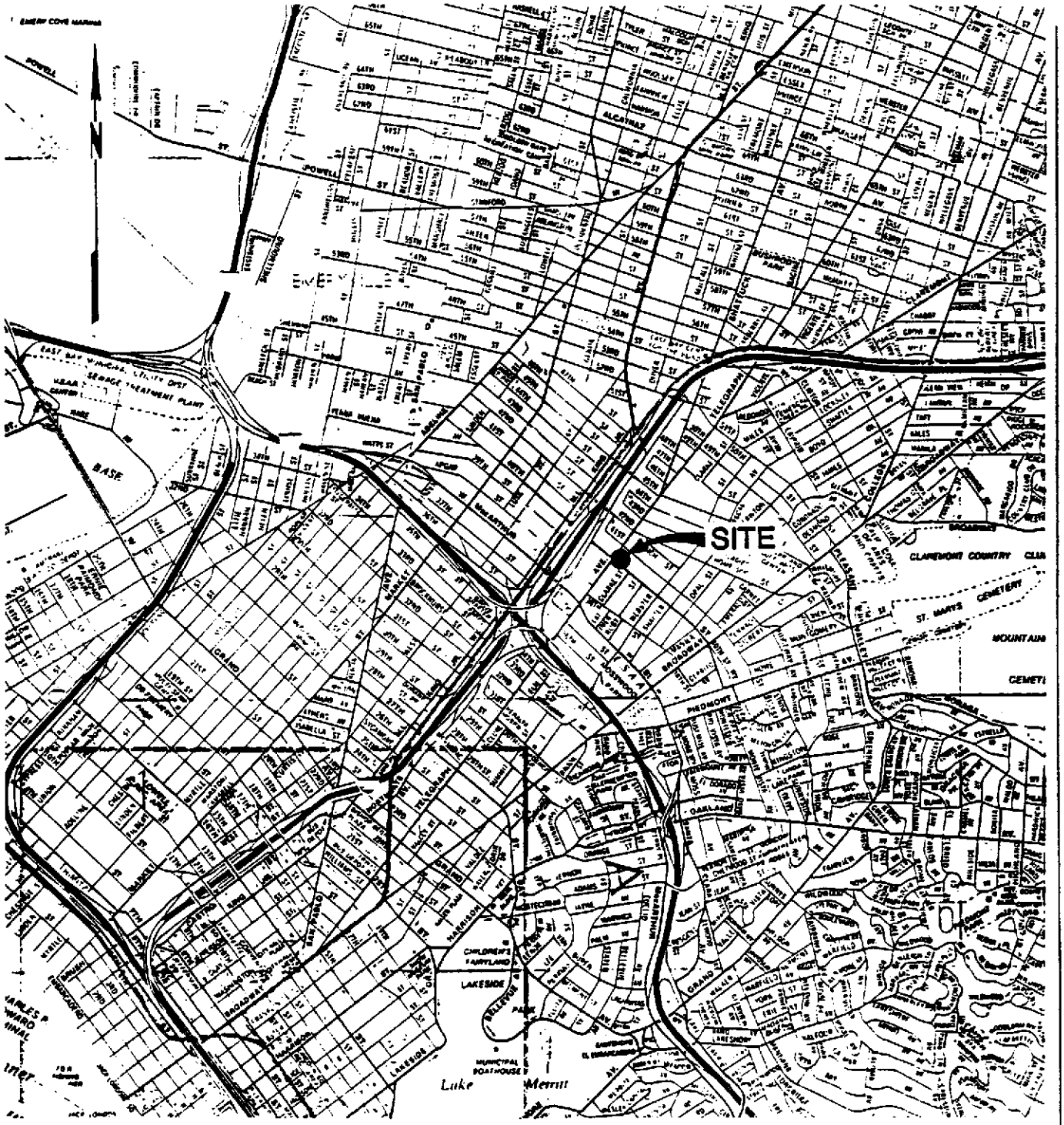
Task 16 was modified to include Monthly Groundwater Sampling.

6. WORK PLANNED FOR NEXT MONTH

Groundwater will be sampled and analyzed in September 1989. The groundwater analytical results will be presented in the Quarter 3, 1989 report. Thereafter, samples will be collected and analyzed quarterly.

Receipt of the Right-of-Entry Agreement from the property owners at 518 40th Street is anticipated during September 1989. Installation of three proposed onsite wells (see Drawing 3) will proceed when the Agreement is secured.

Five downgradient offsite wells (See Drawing 3) are planned for installation on 40th Street within 100 feet of the property boundary. Encroachment and construction permits are being sought from the City of Oakland. Installation is planned following receipt of the permits.



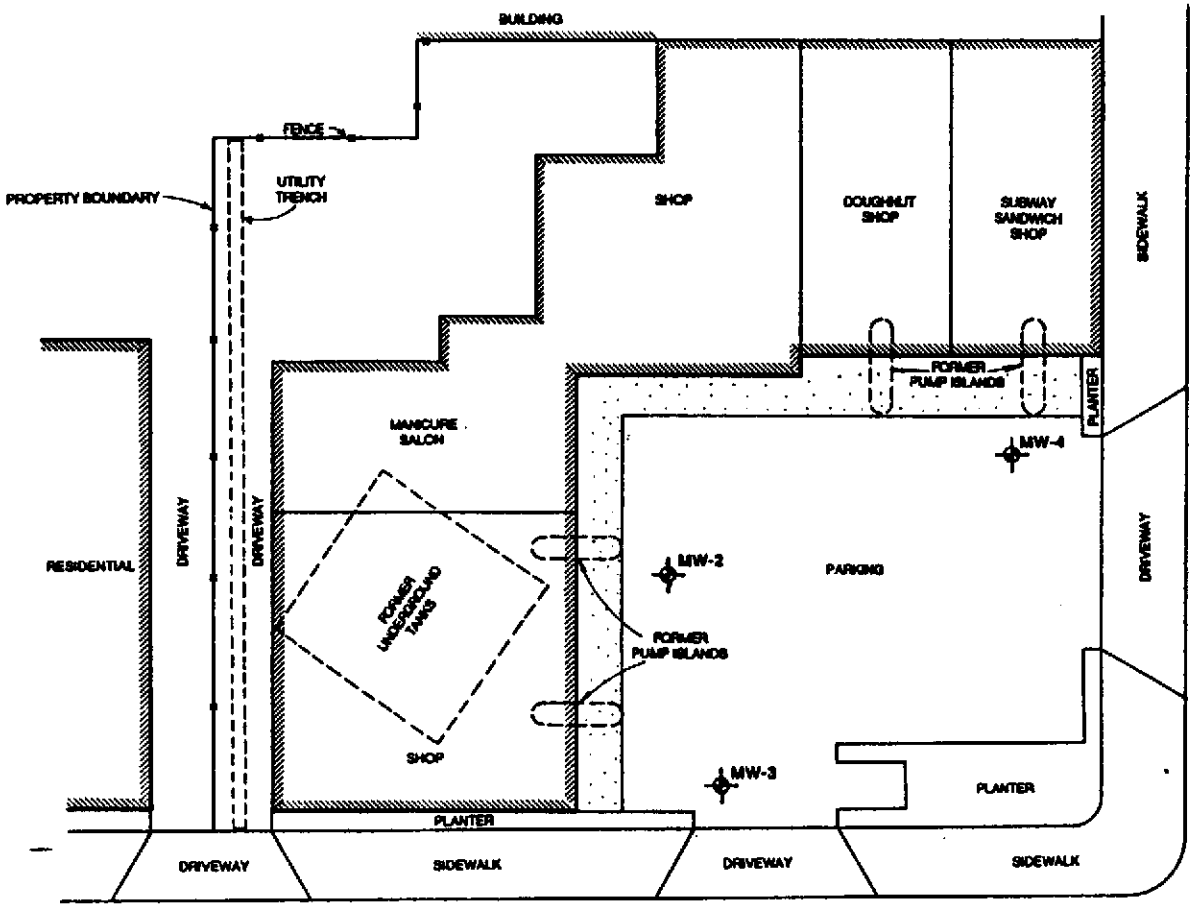
SOURCE: California State Automobile Association.

SITE LOCATION MAP

SHELL OIL COMPANY
500 40th Street
Oakland, California

Converse Environmental
Consultants California

Scale: AS SHOWN	Project No.: 88-44-361-01
Prepared by: KGC	Date: 4/4/89
Checked by: RMB/MIY	Drawing No.: 1
Approved by: DWC	



LEGEND

MW-3 GROUNDWATER MONITORING WELL

NOTE: GROUNDWATER MONITORING WELL MW-1 WAS NOT INSTALLED

SCALE 0 20 40 FEET

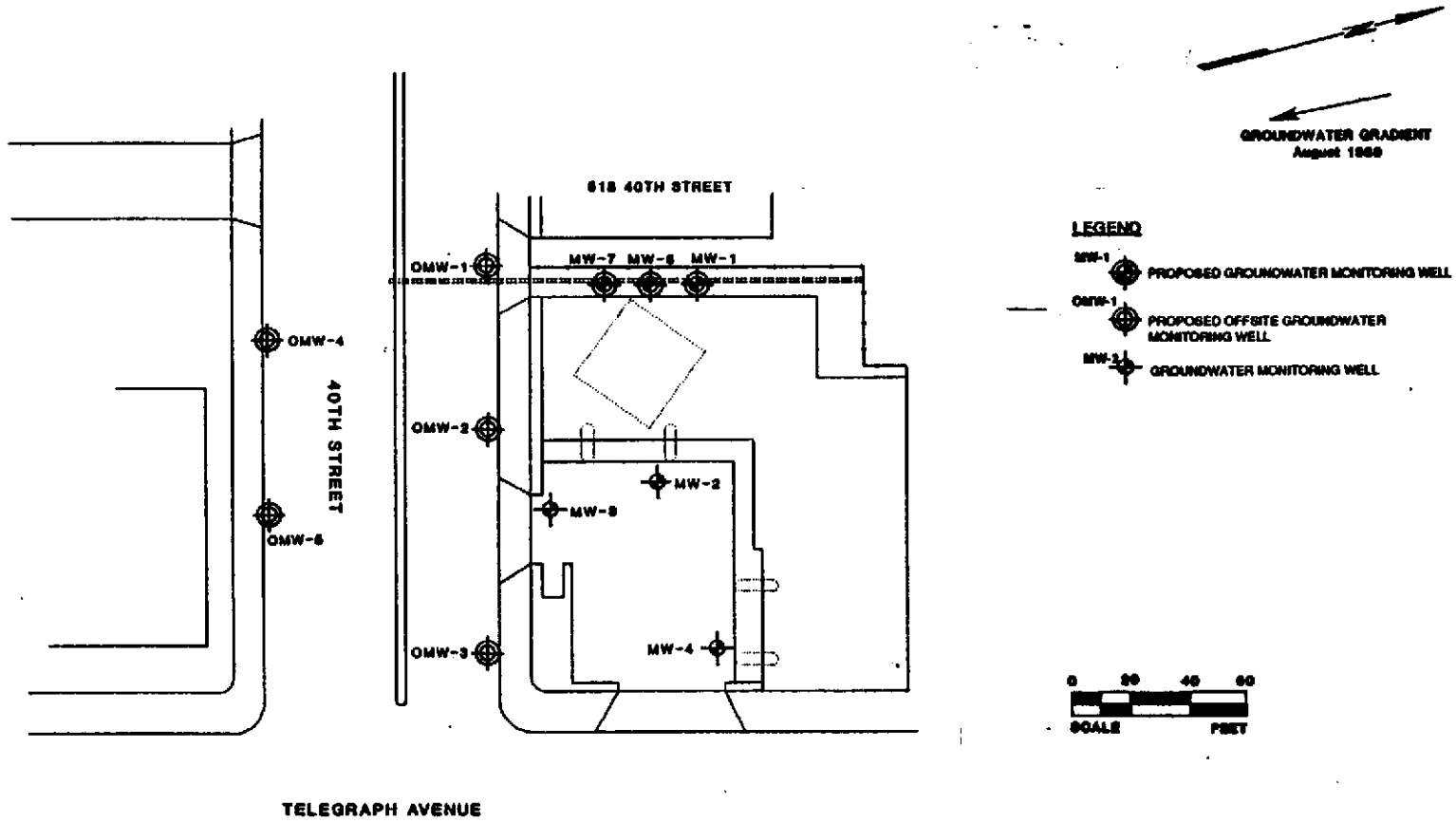
1989 PLOT PLAN

SHELL OIL COMPANY
500 40th Street
Oakland, California

Converse Environmental Consultants California

Scale	AS SHOWN
Date	7/6/89
Prepared By	KDC
Checked By	RMB
Approved By	DWC
Project No.	88-44-381-01
Drawing No.	2

Base Map: Surveyed with EDM, Converse 1989.

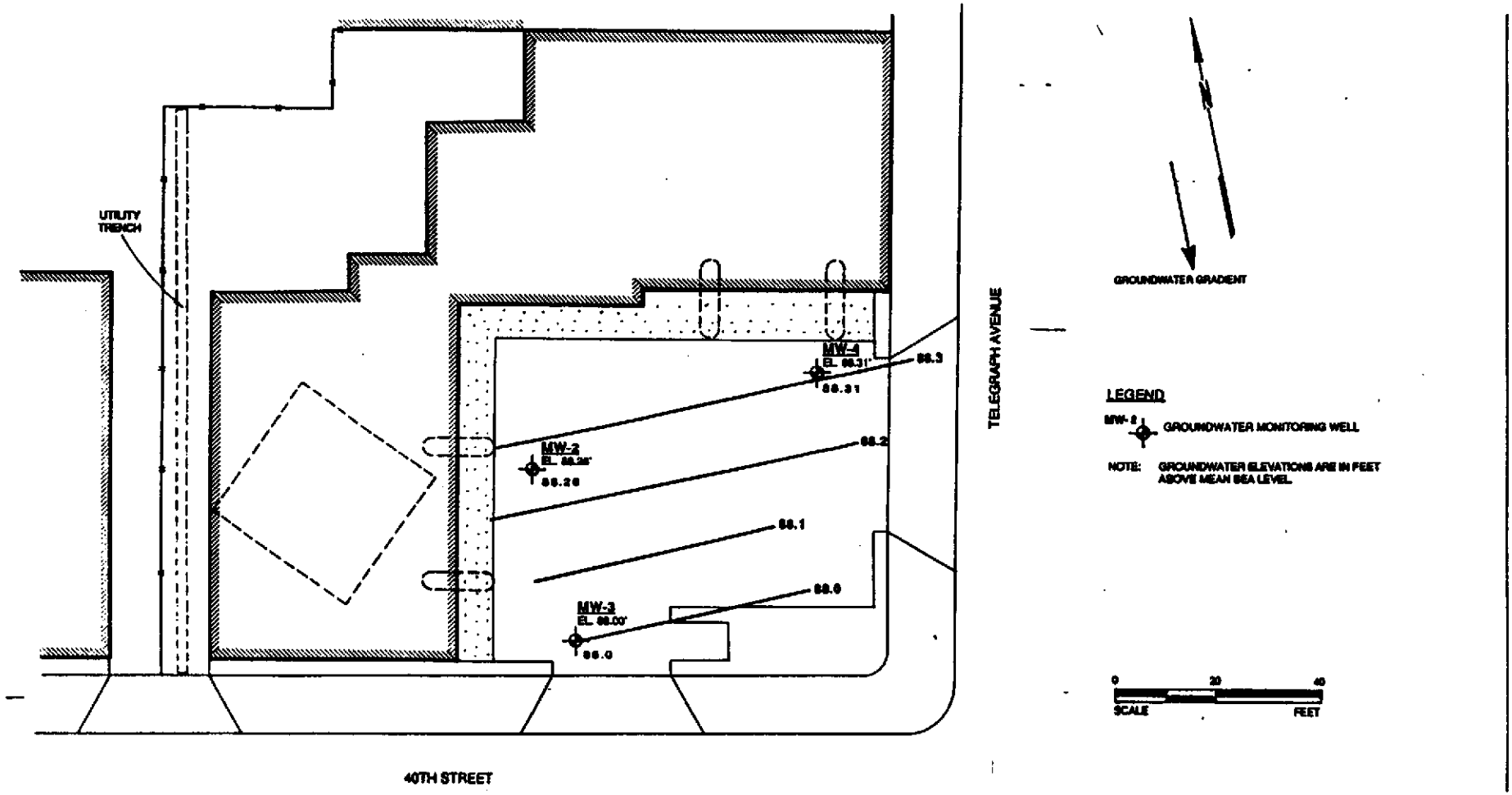


PROPOSED GROUNDWATER MONITORING WELLS AUGUST 1989

SHELL OIL COMPANY
500 40th Street
Oakland, California

Converse Environmental Consultants California

Scale	AS SHOWN
Date	9/11/89
Prepared By	MLL
Checked By	MIY
Approved By	DWC
Project No.	88-44-381-01
Drawing No.	3



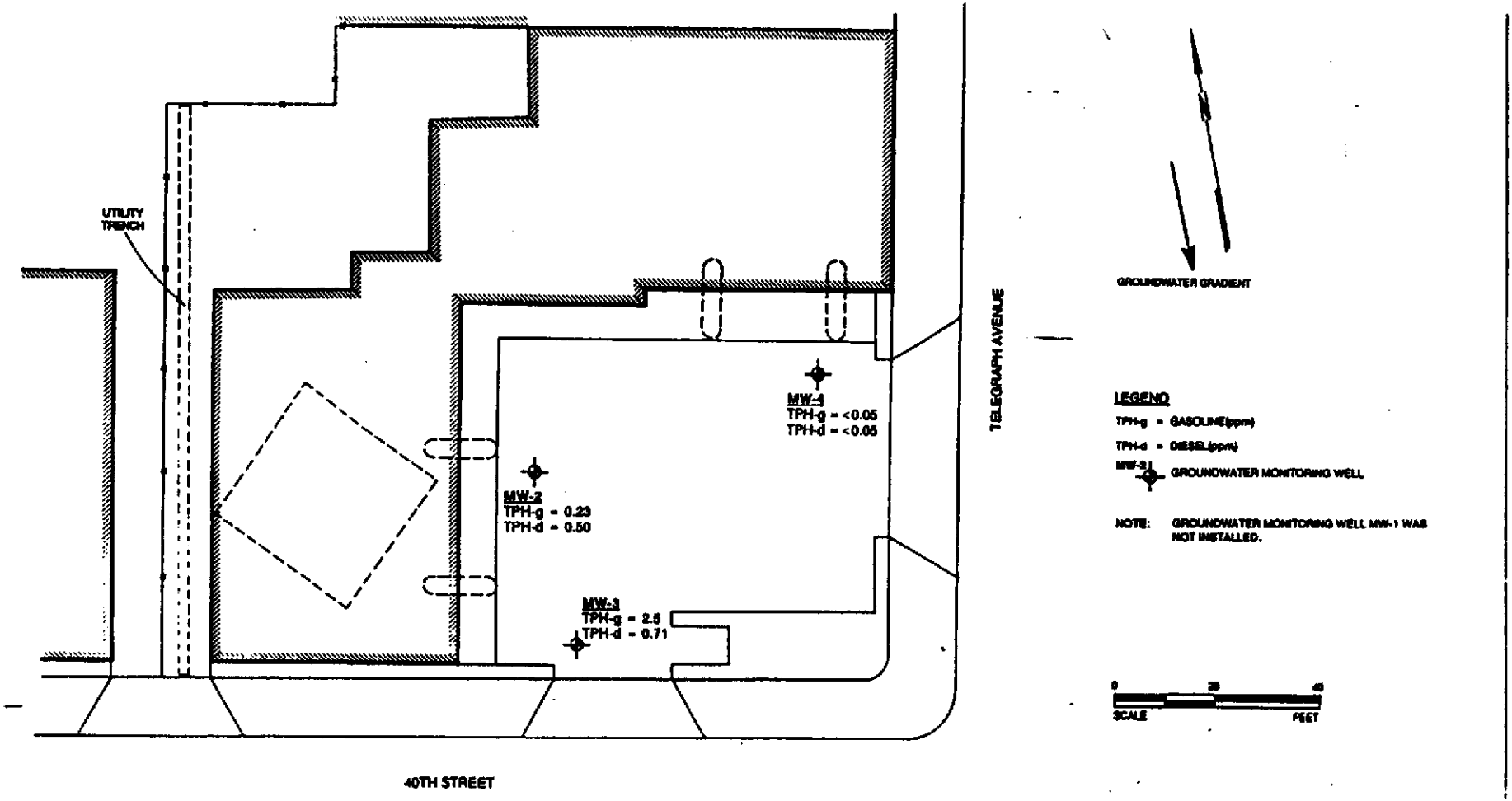
GROUNDWATER GRADIENT AUGUST 1989

SHELL OIL COMPANY
500 40th Street
Oakland, California

Converse Environmental Consultants California

Scale	AS SHOWN
Date	9/11/89
Prepared By	MLL
Checked By	MIY
Approved By	DWC
Project No	88-44-381-01
Drawing No	4

Base Map Surveyed with EDM Converse 1989



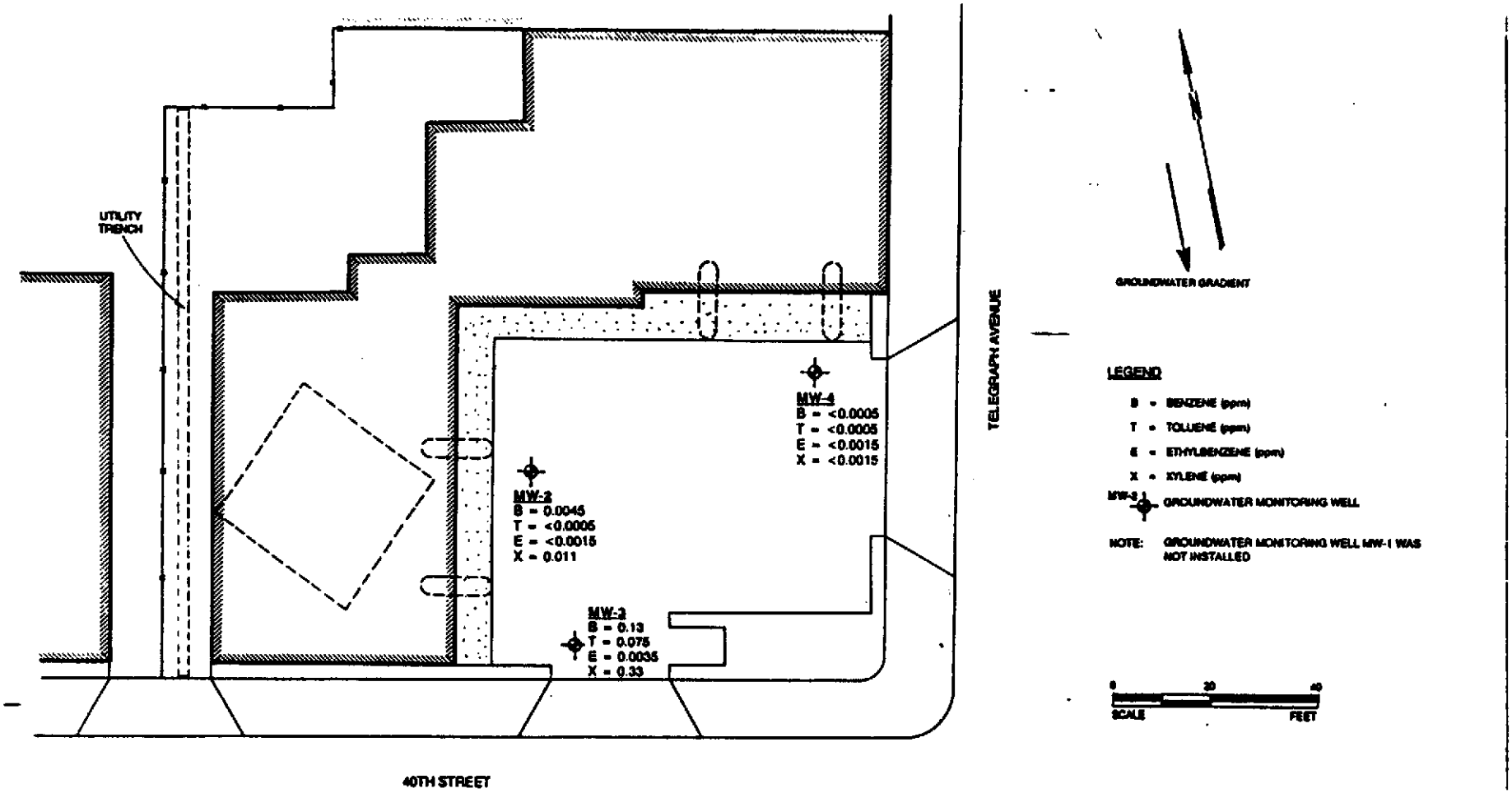
TPH IN GROUNDWATER AUGUST 1989

SHELL OIL COMPANY
500 40th Street
Oakland, California

Converse Environmental Consultants California

Scale: AS SHOWN
Date: 9/11/89
Prepared By: MLL
Checked By: MIY
Approved By: DWC
Project No: 89-44-361-01
Drawing No: 5

Base Map: Surveyed with ECM Converse Map



BTEX IN GROUNDWATER AUGUST 1989

SHELL OIL COMPANY
500 40th Street
Oakland, California

Converse Environmental Consultants California

Scale	AS SHOWN
Date	9/11/89
Prepared By	MLL
Checked By	MIY
Approved By	DWC
Project No	89-44-381-01
Drawing No	6

Base Map Surveyed with EDM Converse 1989

ATTACHMENT 1

GROUNDWATER ANALYTICAL RESULTS

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Formerly: ANATEC Labs, Inc.

Marc Yalom
Converse Consultants
55 Hawthorne St, Ste 500
San Francisco, CA 94105

08-21-89
NET Pacific Log No: 7374
Series No: 212
Client Ref: Project# 88-44-361-03.

Subject: Analytical Results for "Shell - 500 40th Street, Oakland" Received 08-11-89.

Dear Mr. Yalom:

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Submitted by:

Brian Fies
Group Leader
Atomic Spectroscopy

Approved by:

Susan Joy Griffin
Group Leader
Gas Chromatography

/sm
Enc: Sample Custody Document

KEY TO ABBREVIATIONS and METHOD REFERENCES

Abbreviations

mean : Average; sum of measurements divided by number of measurements.

mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).

mg/L : Concentration in units of milligrams of analyte per liter of sample.

mL/L/hr : Milliliters per liter per hour.

MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.

N/A : Not applicable.

NA : Not analyzed.

ND : Not detected; the analyte concentration is less than applicable listed reporting limit.

NR : Not requested.

NTU : Nephelometric turbidity units.

RPD : Relative percent difference, 100 [Value 1 - Value 2]/mean value.

SNA : Standard not available.

ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).

ug/L : Concentration in units of micrograms of analyte per liter of sample.

umhos/cm : Micromhos per centimeter.

Method References

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SAMPLE DESCRIPTION: MW-4 08-08-89 1233
LAB NO.: (-32664)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS VOLATILE (WATER)			
DILUTION FACTOR		1	
DATE ANALYZED		08-14-89	
METHOD GC FID/5030 - as Gasoline	0.05	ND	ppm
METHOD 602			
Benzene	0.0005	ND	ppm
Ethylbenzene	0.0015	ND	ppm
Toluene	0.0005	ND	ppm
Xylenes, total	0.0015	ND	ppm
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)			
DILUTION FACTOR		1	
DATE EXTRACTED		08-12-89	
DATE ANALYZED		08-16-89	
METHOD GC FID/3510			
as Diesel	0.05	ND	ppm
as Motor Oil	0.05	ND	ppm

SAMPLE DESCRIPTION: MW-3 08-08-89 1400
LAB NO.: (-32665)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS VOLATILE (WATER)			
DILUTION FACTOR		1	
DATE ANALYZED		08-14-89	
METHOD GC FID/5030			
as Gasoline	0.05	2.5	ppm
METHOD 602			
Benzene	0.0005	0.13	ppm
Ethylbenzene	0.0015	0.0035	ppm
Toluene	0.0005	0.073	ppm
Xylenes, total	0.0015	0.33	ppm
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)			
DILUTION FACTOR		1	
DATE EXTRACTED		08-12-89	
DATE ANALYZED		08-16-89	
METHOD GC FID/3510			
as Diesel	0.05	0.71	ppm
as Motor Oil	0.05	ND	ppm

SAMPLE DESCRIPTION: MW-2 08-08-89 1320
LAB NO.: (-32666)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS VOLATILE (WATER)			
DILUTION FACTOR		1	
DATE ANALYZED		08-14-89	
METHOD GC FID/5030			
as Gasoline	0.05	0.23	ppm
METHOD 602			
Benzene	0.0005	0.0045	ppm
Ethylbenzene	0.0015	ND	ppm
Toluene	0.0005	ND	ppm
Xylenes, total	0.0015	0.011	ppm
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER)			
DILUTION FACTOR		1	
DATE EXTRACTED		08-12-89	
DATE ANALYZED		08-16-89	
METHOD GC FID/3510			
as Diesel	0.05	0.50	ppm
as Motor Oil	0.05	ND	ppm

Converse Consultants

CHAIN OF CUSTODY RECORD

P.P. Mary Yalom

Project No.	Project Name
88-424-361.03	Shell - 500 40th St Oakland

Samplers: (signature) Thomas Smith

Station No.	Date	Time	Comp.	Grab	Station Location	Number of Containers	TPH-GAS	TPH-Diesel	BTEX				Remarks
						9 Litre 12 VOAS							Shell 7374
MW-1	8/8/89	12:33		V	500 40th St		V	V	V				Standard Turn around
MW-3	8/8/89	2:00		V			V	V	V				
MW-2	8/8/89	1:20		V			V	V	V				

Relinquished by: (signature) Thomas Smith	Date/Time 8/10/89 15:10	Received by: (signature)	Relinquished by: (signature)	Date/Time 8/11 1024S	Received by: (signature)
Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Date/Time	Received by: (signature)
Relinquished by Courier: (signature)	Date/Time	Received by Mobile Lab: (signature)	Relinquished by Mobile Lab: (signature)	Date/Time	Received by Courier: (signature)
Method of Shipment		Shipped by: (signature)	Courier from Airport: (signature) CVIA NCS1	Received for Laboratory: (signature)	Date/Time 8/11/89 0635