

*Rec'd  
7/26/93*



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exxon0693

**EXXON COMPANY, U.S.A.**  
**QUARTERLY STATUS REPORT**  
 April - June 1993  
 June 30, 1993  
 (Page 1 of 2)

RAS #7-3006  
 720 High Street  
 Oakland, California  
 Job No: 130006

Work Performed During This Quarter

April through June 1993

- o Performed monthly depth-to-water monitoring on April 5 and May 28, 1993.
- o Submitted final report for first quarter 1993 Quarterly Monitoring on May 11, 1993.
- o Performed quarterly monitoring second quarter 1993 on June 10 and 11, 1993.

Groundwater Sampling (sampled March 10 and 11, 1993) Results: (mg/L)

Well	TPIHg	B	T	E	X	TPIHd	TOG	VOCs	Trends
MW-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	0.14	--	--	Decreased
MW-2				Sheen					Decreased
MW-3				Sheen					Decreased
MW-4				Free-phase Hydrocarbons					Unchanged
MW-5				Well Destroyed					
MW-6				Free-phase Hydrocarbons					Increased
MW-7	3.5	0.16	0.0062	0.022	0.019	0.64	<0.05	**	Decreased
MW-8				Sheen					Unchanged
MW-9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--	Unchanged
MW-10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	--	--	Unchanged
MW-11	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.24	--	--	Increased
MW-12				Sheen					Unchanged
MW-13				Sheen					Unchanged
MW-14	0.41	<0.0005	<0.0005	0.0009	0.0016	<0.25	--	--	Increased
MW-15				Not Accessible					

\*\* See Table 3

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**EXXON COMPANY, U.S.A.**  
**QUARTERLY STATUS REPORT**  
April - June 1993  
June 30, 1993  
(Page 2 of 2)

RAS #7-3006  
720 High Street  
Oakland, California  
Job No: 130006

Free Phase Product Recovery

- o Removed approximately 2 cups of water/product mixture from the petrotraps in wells MW-2 and MW-4, and approximately 3 cups of water/product mixture from the petrotrap in well MW-6 on May 28, 1993.
- o Removed approximately 2 cups of water/product mixture from the petrotraps in wells MW-2 and MW-4, and approximately 1 cup of water/product mixture from the petrotrap in well MW-6 on June 10, 1993.

Work to be Performed Next Quarter

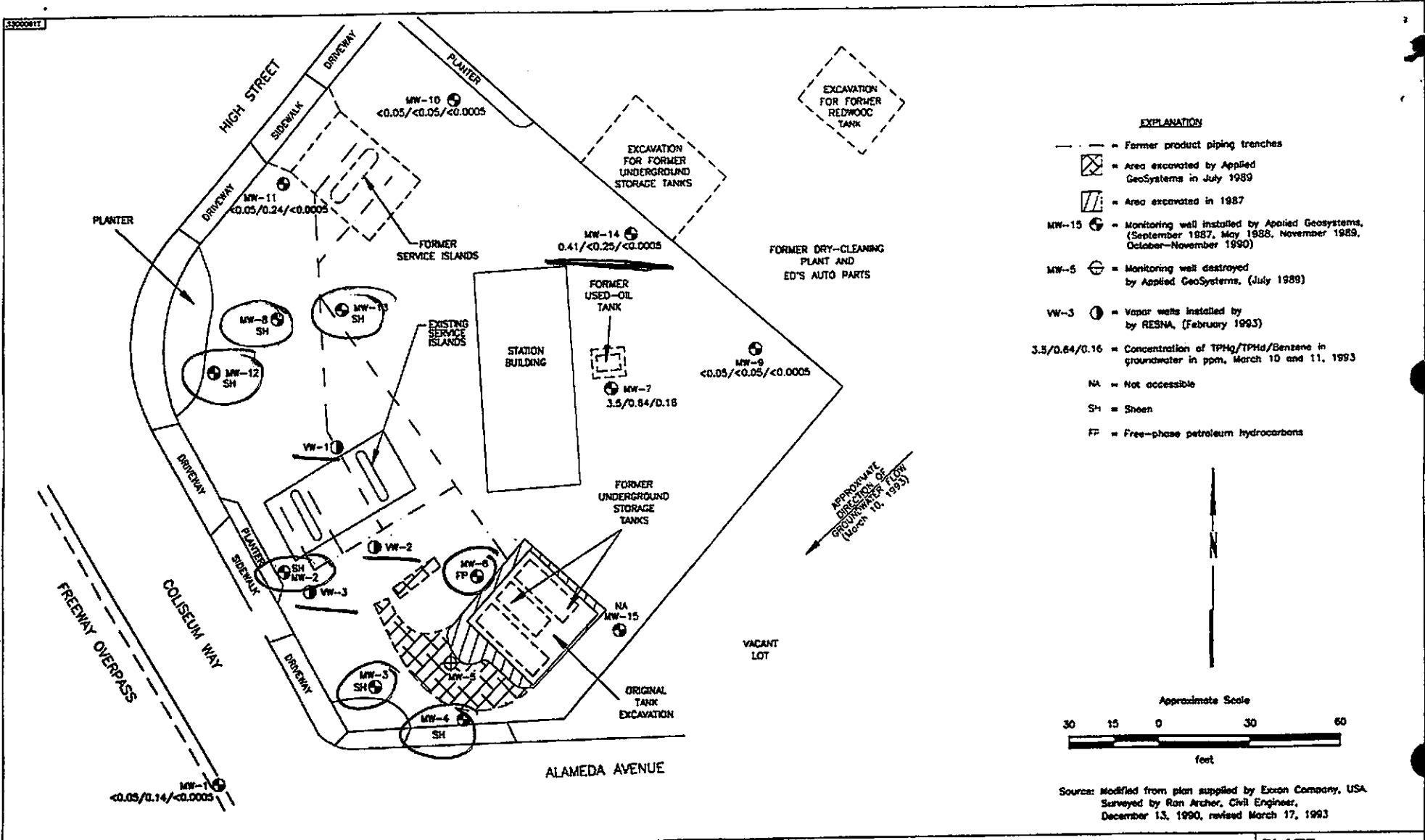
Estimated Completion Date 09/30/93

- o Submit final report for second quarter 1993 Quarterly Monitoring to Exxon.
- o Submit final report for the Interim Remediation Investigation to Exxon.
- o Perform Quarterly Monitoring for the third quarter 1993 on August 9 and 10, 1993.

Work to be Performed Next 12 Months

Estimated Completion Date 06/30/94

- o Continue quarterly groundwater monitoring and sampling program to evaluate the trends of gasoline and diesel hydrocarbons and groundwater gradient in first encountered groundwater below the site.



**RESNA**  
Working to Restore Nature

PROJECT NO. 130008.01

**GENERALIZED SITE PLAN**  
Former Exxon Station 7-3008  
720 High Street  
Oakland, California

**PLATE**  
**1**

3315 Almaden Expressway, Suite 34  
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exxon0393

**EXXON COMPANY, U.S.A.**  
**QUARTERLY STATUS REPORT**  
January - March 1993  
April 9, 1993  
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RC491

RAS #7-3006  
720 High Street  
Oakland, California  
Job No: 130006

**Work Performed During This Quarter**

**January through March 1993**

- o Submitted Addendum One to the Interim Groundwater Remediation Work Plan to the Alameda County Health Care Services Agency (ACHCSA) on January 18, 1993.
- o Performed monthly depth-to-water monitoring on January 27, and February 18, 1993.
- o Submitted final report for fourth quarter 1992 Quarterly Monitoring on February 2, 1993.
- o Installed three vapor wells on February 11, 1993.
- o Conducted a vapor extraction test was on February 18, 1993.
- o Installed a Passive Free Phase Gasoline Hydrocarbon Recovery System was installed in monitoring wells MW-2, MW-4, and MW-6 on February 18, 1993.
- o Performed a step-drawdown and a pumping and recovery test on February 25-26, 1993 utilizing monitoring well MW-13.
- o Performed quarterly monitoring first quarter 1993 on March 10 and 11, 1993.
- o Submitted Response to the ACHCSA letter dated March 5, 1993 concerning Evaluation of Addendum One to the Interim Groundwater Remediation Work Plan on March 23, 1993.
- o Submitted final Limited Records Search on March 24, 1993.

**Groundwater Sampling (sampled March 10 and 11, 1993) Results: (mg/L)**

Well	TPHg	B	T	E	X	TPHd	TOG	VOCs	Trends
MW-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	0.14	-	-	Decreased
MW-2				Sheen					Decreased
MW-3				Sheen					Decreased
MW-4				Free-phase Hydrocarbons					Unchanged
MW-5				Well Destroyed					Unchanged
MW-6				Free-phase Hydrocarbons					Increased
MW-7	3.5	0.16	0.0062	0.022	0.019	0.64	<0.05	**	Decreased
MW-8				Sheen					Unchanged

**EXXON COMPANY, U.S.A.**  
**QUARTERLY STATUS REPORT**  
 January - March 1993  
 April 9, 1993  
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RAS #7-3006  
 720 High Street  
 Oakland, California  
 Job No: 130006

**Groundwater Sampling (sampled March 10 and 11, 1993) Results: (mg/L)**

<u>Well</u>	<u>TPHg</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>	<u>TPHd</u>	<u>TOG</u>	<u>VOCs</u>	<u>Trends</u>
MW-9	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	-	-	Unchanged
MW-10	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	-	-	Unchanged
MW-11	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.24	-	-	Increased
MW-12				Sheen					Unchanged
MW-13				Sheen					Unchanged
MW-14	0.41	<0.0005	<0.0005	0.0009	0.0016	<0.25	-	-	Increased
MW-15				Not Accessible					

\*\* See Table 3

**Free Phase Product Recovery**

Removed approximately 1/8 cup of product from well MW-6 on February 18, 1993.  
 Petrotraps were installed in wells MW-2, MW-4, and MW-6 on February 18, 1993.

**Work to be Performed Next Quarter**

Estimated Completion Date 06/30/93

- o Submit final report for first quarter 1993 Quarterly Monitoring.
- o Submit final report for the Interim Remediation Investigation.
- o Perform Quarterly Monitoring for the second quarter 1993 on May 11 and 12, 1993.

**Work to be Performed Next 12 Months**

Estimated Completion Date 03/31/94

- o Continue quarterly groundwater monitoring and sampling program to evaluate the trends of gasoline and diesel hydrocarbons and groundwater gradient in first encountered groundwater below the site.

Quarterly Groundwater Sampling  
Exxon Station 7-3006, Oakland, California

April 1, 1993  
130006.01

TABLE 3  
RESULTS OF ADDITIONAL LABORATORY ANALYSES OF  
WATER SAMPLES FROM WELL MW-7 on March 11, 1993  
Former Exxon Station 7-3006  
Oakland, California  
Page 1 of 2  
(See notes on page 2)

PARAMETER	CONCENTRATION	MCL	EPA METHOD
<u>INORGANIC ANALYSES</u>			
Total Alkalinity, as CaCO <sub>3</sub>	360	---	
Bicarbonate Alkalinity, as CaCO <sub>3</sub>	360	---	
Carbonate Alkalinity, as CaCO <sub>3</sub>	<10	---	
Hydroxide Alkalinity, as CaCO <sub>3</sub>	<10	---	
Antimony	<0.06	---	6010/200.7, ICP
Arsenic	0.016	0.05	7060, Furnace AAS
Beryllium	<0.01	---	6010/200.7, ICP
Cadmium	<0.005	0.01	6010/200.7, ICP
Calcium	28	---	6010/200.7, ICP
Chloride	11	250	SM 407A
Chromium	<0.01	0.05	6010/200.7, ICP
Copper	<0.01	1.0	6010/200.7, ICP
Cyanides	<0.005	---	
Iron	1.6	0.3	6010/200.7, ICP
Lead	<0.1	0.05	6010/200.7, ICP
Magnesium	47	---	6010/200.7, ICP
Manganese	1.4	0.05	6010/200.7, ICP
Mercury	0.0004	0.002	7470, Cold Vapor AA
Nickel	<0.02	---	6010/200.7, ICP
Selenium	<0.005	0.01	7740, Furnace AAS
Silver	<0.01	0.05	6010/200.7, ICP
Sodium	63	---	6010, ICP
Sulfate	<1.0	250	375.4
Thallium	<0.2	---	6010/200.7, ICP
Zinc	0.02	5.0	6010/200.7, ICP
pH, at 25°C	7.0	---	---

Quarterly Groundwater Sampling  
Exxon Station 7-3006, Oakland, California

April 1, 1993  
130006.01

TABLE 3  
RESULTS OF ADDITIONAL LABORATORY ANALYSES OF  
WATER SAMPLES FROM WELL MW-7 on March 11, 1993  
Former Exxon Station 7-3006  
Oakland, California  
Page 2 of 2  
(See notes on page 2)

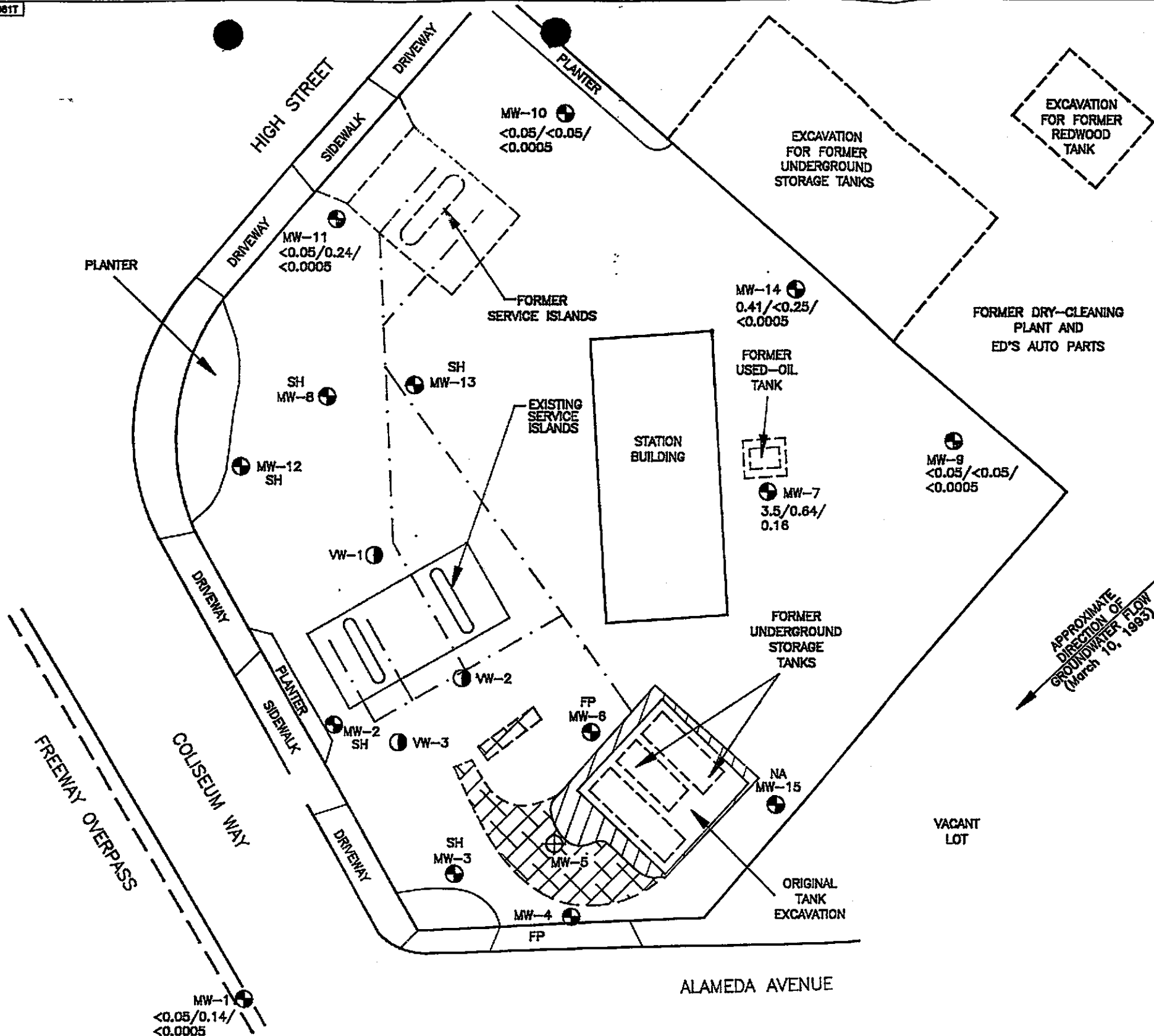
PARAMETER	CONCENTRATION	MCL	EPA METHOD
Specific Conductance, umhos/cm at 25°C	600	900	---
Total Dissolved Solids	400	500	160.1
Total Hardness, as CaCO <sub>3</sub>	260	---	---
<u>ORGANIC ANALYSES*</u>			
Organic Lead, as Pb	<0.1	---	338
Benzene	0.18	0.001	624
Toluene	0.006	0.100	624
Ethylbenzene	0.016	0.680	624
Total Xylenes	0.010	1.75	624
Napthalene	0.027	---	625

Results in parts per million (ppm) unless otherwise noted.

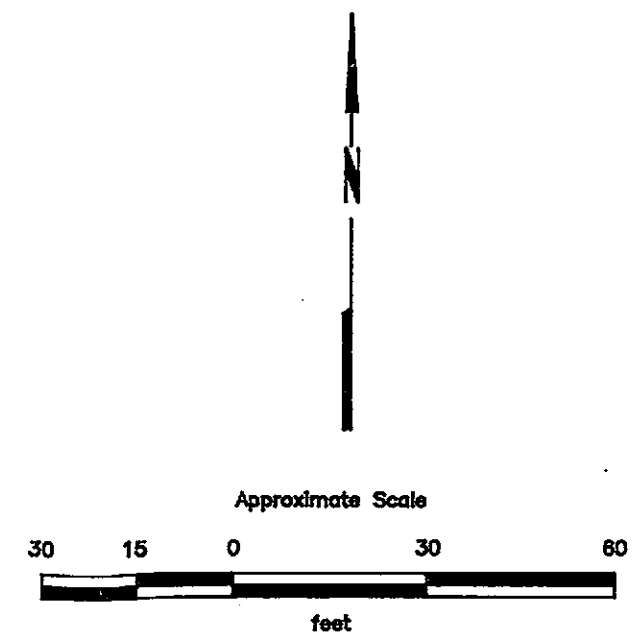
MCL : Maximum Contaminant Level for drinking water standards recommended by the California State Department of Health Services (October 1990).

--- : Not Applicable

\* : All other compounds were nondetectable.



- EXPLANATION**
- - - = Former product piping trenches
  - ☒ = Area excavated by Applied GeoSystems in July 1989
  - ▨ = Area excavated in 1987
  - MW-15 ⊕ = Monitoring well installed by Applied GeoSystems, (September 1987, May 1988, November 1989, October–November 1990)
  - MW-5 ⊕ = Monitoring well destroyed by Applied GeoSystems, (July 1989)
  - VW-3 ⊕ = Vapor wells installed by RESNA, (February 1993)
  - 0.41/<0.25/<0.0005 = Concentration of TPHg/TPHd/Benzene in groundwater in ppm, March 10 and 11, 1993
  - NA = Not accessible
  - SH = Sheen
  - FP = Free-phase petroleum hydrocarbons



Source: Modified from plan supplied by Exxon Company, USA. Surveyed by Ron Archer, Civil Engineer, December 13, 1990, revised March 17, 1993



PROJECT NO. 130006.01

**GENERALIZED SITE PLAN**  
**Former Exxon Station 7-3006**  
**720 High Street**  
**Oakland, California**

**PLATE**  
**2**