DTSC lead case.
Need to transfer in ET.

R0396

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

ENVIROSTOR

CAL-EAST FOODS (01510024)

505 CEDAR STREET
OAKLAND, CA 94607
ALAMEDA COUNTY
SITE TYPE: VOLUNTARY CLEANUP

PROJECT MANAGER: JACINTO SOTO
SUPERVISOR: MARK PIROS
OFFICE: BERKELEY
PRESS CONTACT: CLAUDIA LOOMIS

Site Information

CLEANUP STATUS
CERTIFIED AS OF 6/30/2006

SITE TYPE: VOLUNTARY CLEANUP	**ENVIROSTOR ID:**	01510024
NATIONAL PRIORITIES LIST: NO	**SITE CODE:**	200457
ACRES: .75 ACRES	**SPECIAL PROGRAM:**	VOLUNTARY CLEANUP PROGRAM
APN: 6-55-2	**FUNDING:**	SITE PROPONENT
CLEANUP OVERSIGHT AGENCIES:	**ASSEMBLY DISTRICT:**	16
ALAMEDA COUNTY	**SENATE DISTRICT:**	09
DTSC - SITE CLEANUP PROGRAM - LEAD		

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
WAREHOUSING

POTENTIAL CONTAMINANTS OF CONCERN	POTENTIAL MEDIA AFFECTED
TPH-GAS	SOIL

Site History

The site is part of the Cypress Freeway Reconstruction Project. The building on the site is approximately 100 feet wide by 150 feet long and was used by a seafood distribution business from 1969 until 1993. Removal of a 2500 gallon gasoline underground storage tank and disposal of contaminated soil occurred in November 1993. The site has been acquired for Union Pacific Railroad Company employee parking.

3.515625E-02 seconds

REMOVAL ACTION CERTIFICATION
CAL-EAST FOODS
505 CEDAR STREET
OAKLAND, ALAMEDA COUNTY, CALIFORNIA

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1. **Certification of Remedial or Removal Action:**

I hereby certify that the following information is true and correct to the best of my knowledge.

Regional Project Manager — Date: 6/30/2006

Regional Site Mitigation Unit Chief — Date: 6/30/2006

Regional Site Mitigation Branch Chief — Date: 6/30/2006

2. **Certification Statement**: Based upon the information which is currently and actually known to the Department of Toxic Substances Control (DTSC).

X DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.

_ DTSC has determined, based upon a remedial investigation or site characterization that the site poses no significant threat to public health, welfare or the environment and therefore implementation of removal/remedial measures is not necessary.

_ DTSC has determined that all appropriate removal/remedial actions have been completed and that all acceptable engineering practices were implemented; however, the site requires ongoing operation and maintenance (O&M) and monitoring efforts. The site will be deleted from the "active" site list following (1) a trial operation and maintenance period and (2) execution of a formal written settlement between DTSC and the responsible parties, if appropriate. However, the site will be placed on DTSC's list of sites undergoing O&M to ensure proper monitoring of long-term clean-up efforts.

7. **Size of the Site:**

Small _x_ Medium ___ Large ___ Extra-Large ___

8. **Dates of Remedial or Removal Action:**

a. Initiated: November 17, 1993 b. Completed: November 18, 1993

9. **Response Action Taken on Site: (check appropriate action)**

_x_ Removal Action (satisfactory abatement of site)

___ Final Remedial Action

___ RCRA enforcement/closure action

___ No action, further investigation verified that no clean-up action at the site was needed.

A. Type of Removal Action: (e.g. excavation and disposal, on-site treatment, etc.)

The project involved the removal of a 2500-gallon, single-walled, steel underground storage tank (UST) and soil contaminated by fuel that leaked from the UST under the supervision of the Alameda County Department of Environmental Health. This remedial action was identified in the Feasibility Study/Remedial Action Plan (FS/RAP), dated August 1995, for the Cypress Freeway Reconstruction Project as the recommended remedial action for the site. However, the work was performed prior to the approval of the FS/RAP; the FS/RAP noted that no additional work was required at this location and no long-term operation and maintenance and land use covenant would be required. The excavated soils, the UST, tank piping and dispensing equipment were placed on plastic sheeting, adjoining the excavation, pending disposal. Upon removal of the UST, soil samples were collected from the bottom and sidewalls of the excavation and analyzed for petroleum hydrocarbons as gasoline (TPHg), and the fuel components benzene, toluene, ethylbenzene, and xylene (BTEX), and total lead. Analytical results showed detectable concentrations of TPHg and BTEX in all samples. Based on the results of the analytical testing, the tank pit was over-excavated to remove the gasoline-impacted soil and additional sampling was performed. Analytical results showed TPHg and BTEX concentrations significantly lower than the initial sample results. No additional excavation was required. The excavation was backfilled with clean soil and a total of 162 tons of contaminated soil were transported and disposed at the Gibson Oil, Inc. landfill in Bakersfield. The tank, piping, and dispensing equipment were loaded onto a flatbed truck and transported by Erickson Inc. to their tank disposal facility in Richmond, California.

Report since it was prepared prior to the May 10, 1994 VCA.

C. If site was abated by responsible party, did DTSC receive a signed statement from a licensed professional on all Remedial Actions?

No - Design and Construction Specifications Date
Yes - Post Construction Date January 21, 1994

Geo/Resource Consultants prepared a January 21, 1994 Tank Removal Report for Caltrans that documented the UST removal. This report was signed by the individual identified in Item 11D.

D. Did a registered engineer or geologist verify that acceptable engineering practices were implemented?

Yes _x_ No ___ Name: Christopher B. White, RG., Reidel Environmental Services, Inc.

E. Did DTSC confirm completion of all Remedial Action?

Yes _x_ No ___ Date May 2006 – DTSC obtained a copy of the January 21, 1994 Tank Removal Report verifying completion of the UST removal activities.

F. Did DTSC (directly of through a contractor) actually perform the Remedial Action?

Yes __ No _x_ Name of Contractor:

G. Was there a community relations plan in place?

Yes _x_ No ___

H. Was a Remedial Action plan developed for this site?
Yes _x_ No ___

I. Did DTSC hold a public meeting regarding the draft RAP?

Yes _x_ No ___

14. Post Closure Activity:

A. Will there be post-closure activities at this site? (e.g. Operation and Maintenance)

Yes __ No _x_

If yes, describe:

B. Have post-closure plans been prepared and approved by DTSC?

Yes __ No _x_

C. What is the estimated duration of post-closure (including Operation and Maintenance) activities?

___ years.

D. Are deed restriction proposed or in place?

Yes __ No _x_

If "yes", have deed restrictions been recorded with the County recorder?

Yes ____ No _____If "no", who is responsible for assuring that the deed restrictions are?

Who is the Division contact? Jacinto Soto/(510) 540-3842
name/phone and number

E. Has cost recovery been initiated?

Yes _x_ No __

If "yes", amount received $122.21 of DTSC costs.

F. Were local planning agencies notified of the cleanup action?

Yes _x_ No__

If "yes", the name and address of the agency: Gary Collins, Oakland Fire Department.

TABLE 3a: PETROLEUM HYDROCARBONS

Caltrans - Cal East
ESI Project #94-911

		Boring Location:	B-1	B-1	MW-1	MW-1	MW-1	MW-1
		Soil Sample Depth (in feet):	15	25	5	10	15	20
		Reporting Limit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TPH -Gasoline	EPA 8015	1.0	ND	ND	ND	ND	ND	ND
Oil & Grease	STD 5520	50	ND	ND	ND	ND	ND	ND

		Boring Location:	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3
		Soil Sample Depth (in feet):	5	10	15	5	10	16.5
		Reporting Limit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TPH -Gasoline	EPA 8015	1.0	ND	NT	ND	**1.5**	ND	ND
Oil & Grease	STD 5520	50	ND	ND	ND	**71**	ND	ND

		Boring Location:	MW-1	MW-2	MW-3
		Sample	Water	Water	Water
		Reporting Limit			
TPH - Gasoline	EPA 8015	0.05 mg/l	**0.12**	ND	**0.13**
Oil & Grease	STD 5520	1.0 mg/l	ND	ND	ND
TPH - Diesel	EPA 8015	50 ug/l	ND	ND	ND*

* = Unknown hydrocarbon in gasoline/kerosene range was observed in sample. Quantified at 62 ug/kg
ND = Not detected at or above reporting limit
NT = Not tested

Subsurface Investigation

TABLE 3b BTEX IN SOIL

Caltrans - Cal East
ESI Project #94-911

		Boring Location:	B-1	B-1	MW-1	MW-1	MW-1	MW-1
		Sample Depth (in feet):	15	25	5	10	15	20
		Reporting Limit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	EPA 8020	5.0	NT*	ND	NT*	NT*	NT*	NT*
Toluene	EPA 8020	5.0	NT*	ND	NT*	NT*	NT*	NT*
Ethylbenzene	EPA 8020	5.0	NT*	ND	NT*	NT*	NT*	NT*
Total Xylenes	EPA 8020	5.0	NT*	ND	NT*	NT*	NT*	NT*

		Boring Location:	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3
		Sample Depth (in feet):	5	10	15	5	10	16.5
		Reporting Limit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	EPA 8020	5.0	NT*	NT*	ND	NT*	NT*	NT*
Toluene	EPA 8020	5.0	NT*	NT*	ND	NT*	NT*	NT*
Ethylbenzene	EPA 8020	5.0	NT*	NT*	ND	NT*	NT*	NT*
Total Xylenes	EPA 8020	5.0	NT*	NT*	ND	NT*	NT*	NT*

ND = Not detected at or above reporting limit
NT* = Not tested by this method, see Table 3d (EPA Method 8240)

ENVIRONMENTAL SOLUTIONS

TABLE 3c: LEAD IN SOIL

Caltrans - Cal East
ESI Project #94-911

			Boring Location:	B-1	B-1	MW-1	MW-1	MW-1	MW-1
			Sample Depth (in feet):	15	25	5	10	15	20
			Reporting Limit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	EPA 3050	2.5		**4.3**	**6.3**	NT*	NT*	NT*	NT*

			Boring Location:	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3
			Sample Depth (in feet):	5	10	15	5	10	16.5
			Reporting Limit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	EPA 3050	2.5		**5.8**	NT*	**13**	NT*	NT*	NT*

ND = Not detected at or above reporting limit
NT* = Not tested, see Table 3e (Heavy Metals)

TABLE 3d: VOLATILE ORGANIC COMPOUNDS

Caltrans - Cal East
ESI Project #94-911

Boring Location:		B-1	B-1	MW-1	MW-1	MW-1	MW-1
Soil Sample Depth (in feet):		15	25	5	10	15	20
	Reporting Limit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	25	ND	NT	ND	ND	ND	ND
Benzene	5	**130**	NT*	ND	ND	ND	ND
Bromodichloromethane	5	ND	NT	ND	ND	ND	ND
Bromoform	5	ND	NT	ND	ND	ND	ND
Bromomethane	5	ND	NT	ND	ND	ND	ND
2-Butanone	5	ND	NT	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	NT	ND	ND	ND	ND
Chlorobenzene	5	ND	NT	ND	ND	ND	ND
Chloroethane	5	ND	NT	ND	ND	ND	ND
2-Chloroethylvinyl Ether	5	ND	NT	ND	ND	ND	ND
Chloroform	5	ND	NT	ND	ND	ND	ND
Chloromethane	5	ND	NT	ND	ND	ND	ND
Dibromochloromethane	5	ND	NT	ND	ND	ND	ND
1, 1-Dichloroethane	5	ND	NT	ND	ND	ND	ND
1, 2-Dichloroethene	5	ND	NT	ND	ND	ND	ND
1, 1-Dichloroethene	5	ND	NT	ND	ND	ND	ND
1, 2-Dichloroethene (CIS)	5	ND	NT	ND	ND	ND	ND
1, 2-Dichloroethene (TRANS)	5	ND	NT	ND	ND	ND	ND
1, 2-Dichloropropane	5	ND	NT	ND	ND	ND	ND
1, 3-Dichloropropene (CIS)	5	ND	NT	ND	ND	ND	ND
1, 3-Dichloropropene (TRANS)	5	ND	NT	ND	ND	ND	ND
Ethylbenzene	5	ND	NT*	ND	ND	ND	ND
2-Hexanone	5	ND	NT	ND	ND	ND	ND
Methylene Chloride	25	ND	NT	ND	ND	ND	ND
4-Methyl-2-Pentanone	5	ND	NT	ND	ND	ND	ND
Styrene	5	ND	NT	ND	ND	ND	ND
1, 1, 2, 2-Tetrachloroethane	5	ND	NT	ND	ND	ND	ND
Tetrachloroethene	5	ND	NT	ND	ND	ND	ND
Toluene	5	ND	NT*	ND	ND	ND	ND
1, 1, 1-Trichloroethane	5	ND	NT	ND	ND	ND	ND
1, 1, 2-Trichloroethane	5	ND	NT	ND	ND	ND	ND
Trichloroethene	5	ND	NT	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	NT	ND	ND	ND	ND
Vinyl Acetate	5	ND	NT	ND	ND	ND	ND
Vinyl Chloride	5	ND	NT	ND	ND	ND	ND
Xylenes (TOTAL)	5	ND	NT*	ND	ND	ND	ND

ND = Not detected at or above reporting limit
NT = Not tested
NT* = Not Tested by this method, see Table 3b

TABLE 3d: VOLATILE ORGANIC COMPOUNDS

Caltrans - Cal East
ESI Project #94-911

Boring Location:		MW-2	MW-2	MW-2	MW-3	MW-3	MW-3
Soil Sample Depth (in feet):		5	10	15	5	10	16.5
	Reporting Limit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	25	ND	ND	NT	**60**	ND	ND
Benzene	5	ND	ND	NT*	**25**	ND	ND
Bromodichloromethane	5	ND	ND	NT	ND	ND	ND
Bromoform	5	ND	ND	NT	ND	ND	ND
Bromomethane	5	ND	ND	NT	ND	ND	ND
2-Butanone	5	ND	ND	NT	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	NT	ND	ND	ND
Chlorobenzene	5	ND	ND	NT	ND	ND	ND
Chloroethane	5	ND	ND	NT	ND	ND	ND
2-Chloroethylvinyl Ether	5	ND	ND	NT	ND	ND	ND
Chloroform	5	ND	ND	NT	ND	ND	ND
Chloromethane	5	ND	ND	NT	ND	ND	ND
Dibromochloromethane	5	ND	ND	NT	ND	ND	ND
1, 1-Dichloroethane	5	ND	ND	NT	ND	ND	ND
1, 2-Dichloroethene	5	ND	ND	NT	ND	ND	ND
1, 1-Dichloroethene	5	ND	ND	NT	ND	ND	ND
1, 2-Dichloroethene (CIS)	5	ND	ND	NT	ND	ND	ND
1, 2-Dichloroethene (TRANS)	5	ND	ND	NT	ND	ND	ND
1, 2-Dichloropropane	5	ND	ND	NT	ND	ND	ND
1, 3-Dichloropropene (CIS)	5	ND	ND	NT	ND	ND	ND
1, 3-Dichloropropene (TRANS)	5	ND	ND	NT	ND	ND	ND
Ethylbenzene	5	ND	ND	NT*	**39**	ND	ND
2-Hexanone	5	ND	ND	NT	ND	ND	ND
Methylene Chloride	25	ND	ND	NT	ND	ND	ND
4-Methyl-2-Pentanone	5	ND	ND	NT	ND	ND	ND
Styrene	5	ND	ND	NT	ND	ND	ND
1, 1, 2, 2-Tetrachloroethane	5	ND	ND	NT	ND	ND	ND
Tetrachloroethene	5	ND	ND	NT	ND	ND	ND
Toluene	5	ND	ND	NT*	ND	ND	ND
1, 1, 1-Trichloroethane	5	ND	ND	NT	ND	ND	ND
1, 1, 2-Trichloroethane	5	ND	ND	NT	ND	ND	ND
Trichloroethene	5	ND	ND	NT	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	NT	ND	ND	ND
Vinyl Acetate	5	ND	ND	NT	ND	ND	ND
Vinyl Chloride	5	ND	ND	NT	ND	ND	ND
Xylenes (TOTAL)	5	ND	ND	NT*	**7.7**	ND	ND

ND = Not detected at or above reporting limit
NT = Not tested
NT* = Not Tested by this method, see Table 3b

TABLE 3d: VOLATILE ORGANIC COMPOUNDS

Caltrans - Cal East
ESI Project #94-911

Boring Location:		MW-1	MW-2	MW-3
Sample		Water	Water	Water
Reporting Limit		ug/L	ug/L	ug/L
Acetone	5.0	ND	ND	ND
Benzene	2.0	ND	ND	ND
Bromodichloromethane	2.0	ND	ND	ND
Bromoform	2.0	ND	ND	ND
Bromomethane	2.0	ND	ND	ND
Methyl Ethyl Ketone	2.0	**3.4**	ND	ND
Carbon Tetrachloride	2.0	ND	ND	ND
Chlorobenzene	2.0	ND	ND	ND
Chloroethane	2.0	ND	ND	ND
2-Chloroethylvinyl Ether	2.0	ND	ND	ND
Chloroform	2.0	ND	ND	ND
Chloromethane	2.0	ND	ND	ND
Dibromochloromethane	2.0	ND	ND	ND
1, 1-Dichloroethane	2.0	ND	ND	ND
1, 2-Dichloroethane	2.0	**43**	ND	ND
1, 1-Dichloroethene	2.0	ND	ND	ND
1, 2-Dichloroethene (CIS)	2.0	ND	ND	ND
1, 2-Dichloroethene (TRANS)	2.0	ND	ND	ND
1, 2-Dichloropropane	2.0	ND	ND	ND
1, 3-Dichloropropene (CIS)	2.0	ND	ND	ND
1, 3-Dichloropropene (TRANS)	2.0	ND	ND	ND
Ethylbenzene	2.0	ND	ND	ND
2-Hexanone	2.0	ND	ND	ND
Methylene Chloride	5.0	ND	ND	ND
Methyl Isobutyl Ketone	2.0	ND	ND	ND
Styrene	2.0	ND	ND	ND
1, 1, 2, 2-Tetrachloroethane	2.0	ND	ND	ND
Tetrachloroethene	2.0	ND	ND	ND
Toluene	2.0	ND	ND	ND
1, 1, 1-Trichloroethane	2.0	ND	ND	ND
1, 1, 2-Trichloroethane	2.0	ND	ND	ND
Trichloroethene	2.0	ND	ND	ND
Trichlorofluoromethane	2.0	ND	ND	ND
Vinyl Acetate	2.0	ND	ND	ND
Vinyl Chloride	2.0	ND	ND	ND
Xylenes (TOTAL)	2.0	ND	ND	ND

ND = Not detected at or above reporting limit
NT = Not tested

TABLE 3e: HEAVY METALS

Caltrans - Cal East
ESI Project #94-911

			Boring Location:	B-1	B-1	MW-1	MW-1	MW-1	MW-1
			Soil Sample Depth (in feet):	15	25	5	10	15	20
			Reporting Limit	(mg/kg)	(mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	EPA 6010	1.0		NT	NT	**3.5**	**1.4**	ND	**1.7**
Arsenic	EPA 6010	0.25		NT	NT	ND	ND	ND	ND
Barium	EPA 6010	0.25		NT	NT	**63**	**58**	**55**	**47**
Beryllium	EPA 6010	0.05		NT	NT	**0.14**	ND	ND	ND
Cadmium	EPA 6010	0.05		NT	NT	ND	ND	ND	ND
Chromium	EPA 6010	0.5		NT	NT	**74**	**54**	**58**	**54**
Cobalt	EPA 6010	0.5		NT	NT	**5.7**	**5.7**	**6.6**	**5.1**
Copper	EPA 6010	0.25		NT	NT	**7.7**	**6.9**	**5.3**	**5.7**
Lead	EPA 6010	0.5		NT*	NT*	**5.9**	**5.7**	**4.0**	**3.4**
Molybdenum	EPA 6010	0.25		NT	NT	ND	ND	ND	ND
Nickel	EPA 6010	0.5		NT	NT	**42**	**36**	**36**	**32**
Selemium	EPA 6010	0.5		NT	NT	**24**	ND	ND	ND
Silver	EPA 6010	0.25		NT	NT	ND	ND	ND	ND
Thallium	EPA 6010	2.0		NT	NT	ND	ND	ND	ND
Vanadium	EPA 6010	0.5		NT	NT	**38**	**26**	**21**	**21**
Zinc	EPA 6010	0.25		NT	NT	**31**	**26**	**26**	**26**
Mercury	EPA 6010	0.05		NT	NT	ND	ND	ND	ND

ND = Not Detected at or above reporting limit
NT* = Not Tested by this method, see Table 3c

TABLE 3e: HEAVY METALS

Caltrans - Cal East
ESI Project #94-911

		Boring Location:	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3
		Soil Sample Depth (in feet):	5	10	15	5	10	16.5
		Reporting Limit	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Antimony	EPA 6010	1.0	NT	ND	NT	ND	ND	**1.9**
Arsenic	EPA 6010	0.25	NT	ND	NT	ND	ND	ND
Barium	EPA 6010	0.25	NT	**55**	NT	**44**	**62**	**50**
Beryllium	EPA 6010	0.05	NT	ND	NT	ND	ND	ND
Cadmium	EPA 6010	0.05	NT	**0.6**	NT	ND	ND	ND
Chromium	EPA 6010	0.5	NT	**30**	NT	**42**	**53**	**47**
Cobalt	EPA 6010	0.5	NT	**6.2**	NT	**6.1**	**6.4**	**4.6**
Copper	EPA 6010	0.25	NT	**7.9**	NT	**18**	**7.6**	**4.6**
Lead	EPA 6010	0.5	NT*	**1.2**	NT*	**27**	**9.1**	**4.4**
Molybdenum	EPA 6010	0.25	NT	**1.6**	NT	ND	ND	ND
Nickel	EPA 6010	0.5	NT	**37**	NT	**15**	**38**	**29**
Selemium	EPA 6010	0.5	NT	ND	NT	ND	ND	**8.1**
Silver	EPA 6010	0.25	NT	**0.95**	NT	ND	ND	ND
Thallium	EPA 6010	2.0	NT	ND	NT	ND	ND	ND
Vanadium	EPA 6010	0.5	NT	**27**	NT	**22**	**25**	**19**
Zinc	EPA 6010	0.25	NT	**21**	NT	**69**	**26**	**21**
Mercury	EPA 6010	0.05	NT	ND	NT	**0.18**	ND	ND

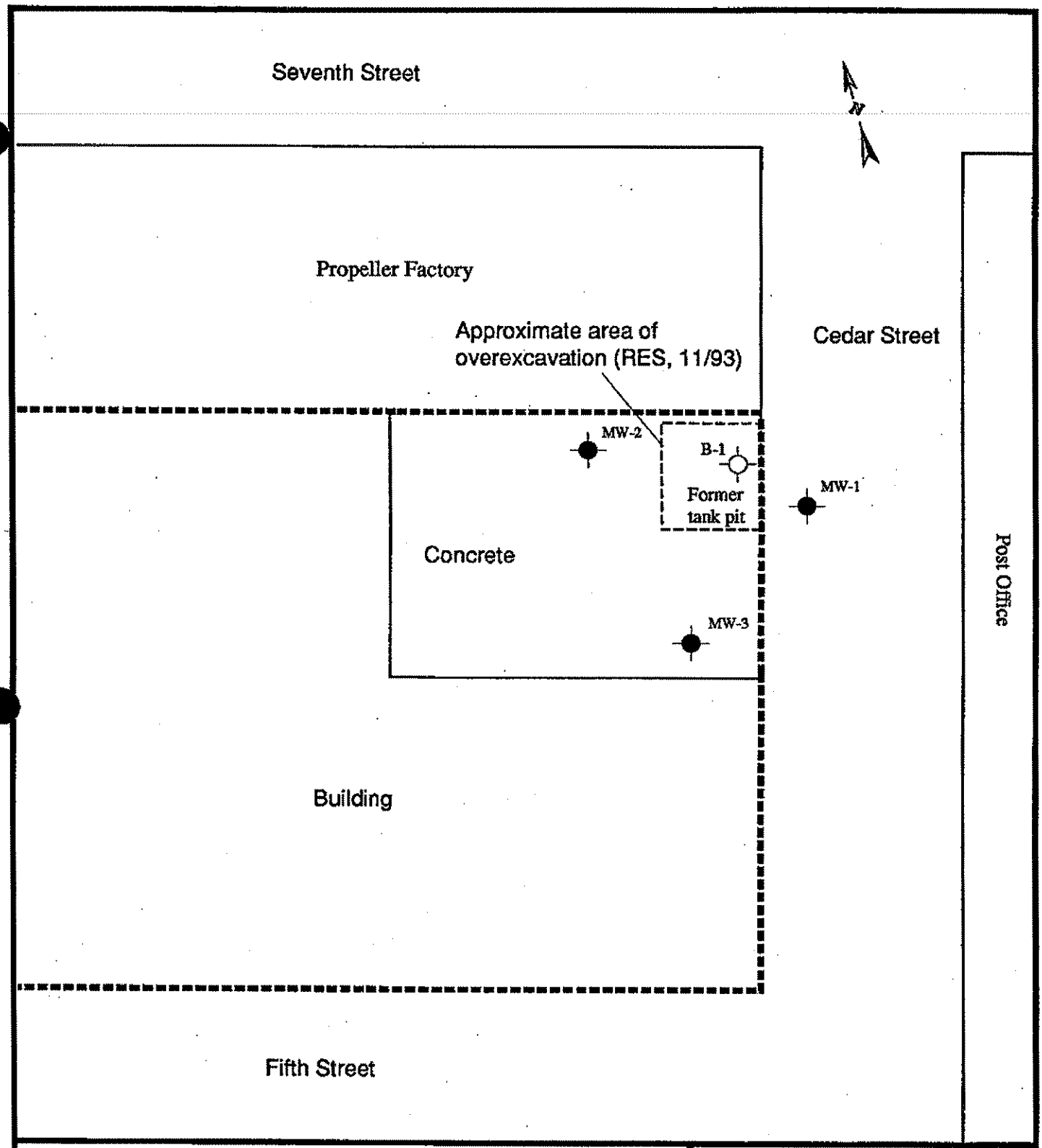
ND = Not Detected at or above reporting limit
NT* = Not Tested by this method, see Table 3c

TABLE 3e: HEAVY METALS

Caltrans - Cal East
ESI Project #94-911

		Boring Location:	MW-1	MW-2	MW-3
		Sample	Water	Water	Water
		Reporting Limit	(mg/L)	(mg/L)	(mg/L)
Antimony	EPA 6010	0.02	ND	ND	ND
Arsenic	EPA 6010	0.005	ND	ND	ND
Barium	EPA 6010	0.005	**0.069**	**0.011**	**0.21**
Beryllium	EPA 6010	0.001	ND	ND	ND
Cadmium	EPA 6010	0.001	ND	ND	ND
Chromium	EPA 6010	0.01	**0.011**	ND	ND
Cobalt	EPA 6010	0.01	ND	ND	ND
Copper	EPA 6010	0.005	ND	ND	ND
Lead	EPA 6010	0.01	ND	ND	ND
Molybdenum	EPA 6010	0.005	**0.0059**	**0.0066**	ND
Nickel	EPA 6010	0.02	ND	ND	ND
Selemium	EPA 6010	0.01	ND	ND	ND
Silver	EPA 6010	0.005	ND	ND	ND
Thallium	EPA 6010	0.01	**0.04**	**0.017**	ND
Vanadium	EPA 6010	0.01	ND	ND	ND
Zinc	EPA 6010	0.01	**0.38**	**0.012**	**0.17**
Mercury	EPA 6010	0.001	ND	ND	ND

ND = Not Detected at or above reporting limit



EXPLANATION

Site boundary

MW-3 Monitoring well location

B-1 Boring location

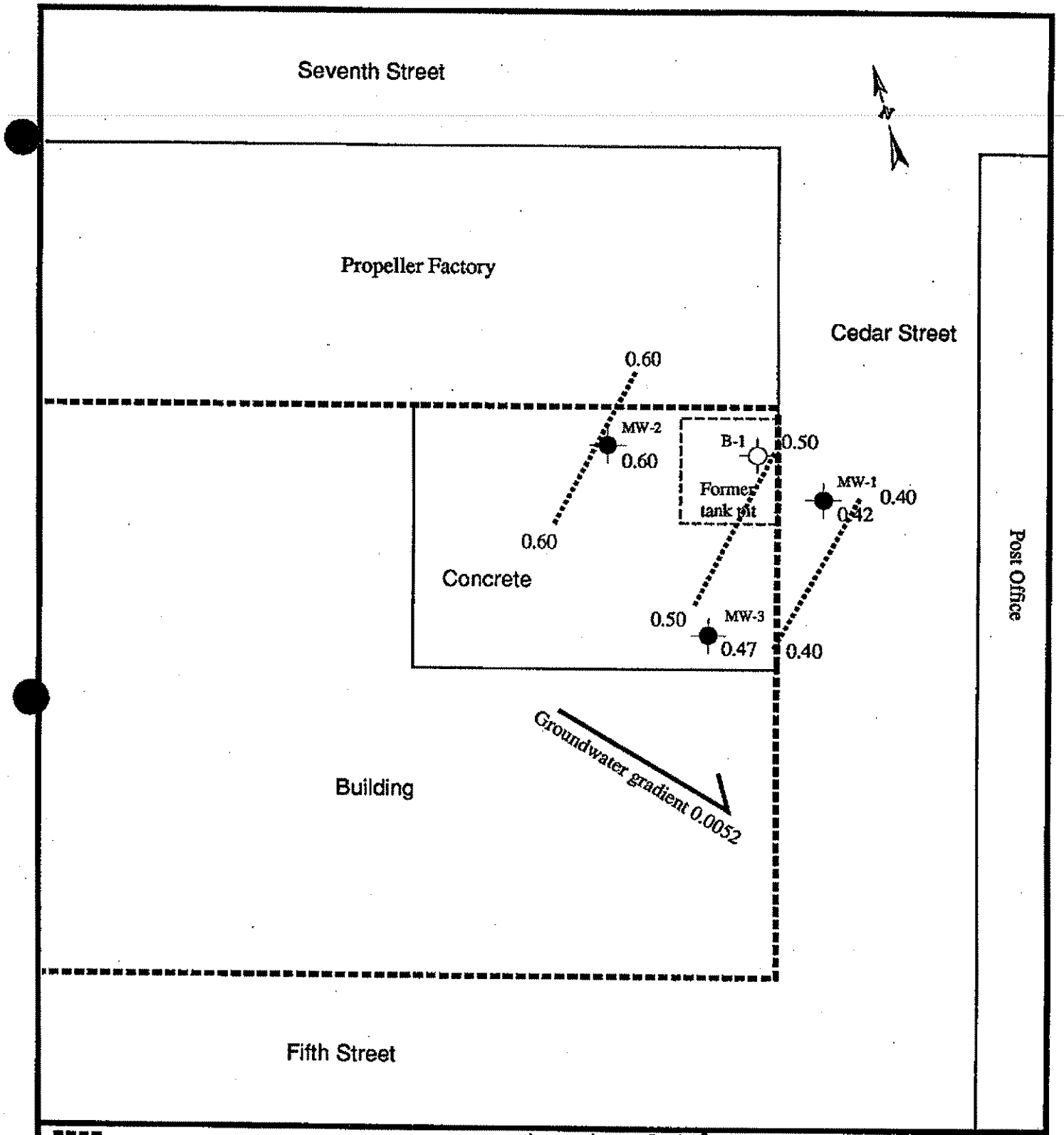
Approximate Scale
1 inch = 20 feet

Date: 8/94	Drafting: jed	Approval: CM

SITE LOCATION MAP

Caltrans Cal East Site
505 Cedar Street
Oakland, California

94-911 FIGURE 2



Site boundary

EXPLANATION

MW-3 Monitoring well location

B-1 Boring location

0.40 Inferred groundwater contour

0.60 Groundwater elevation measured 7/27/94

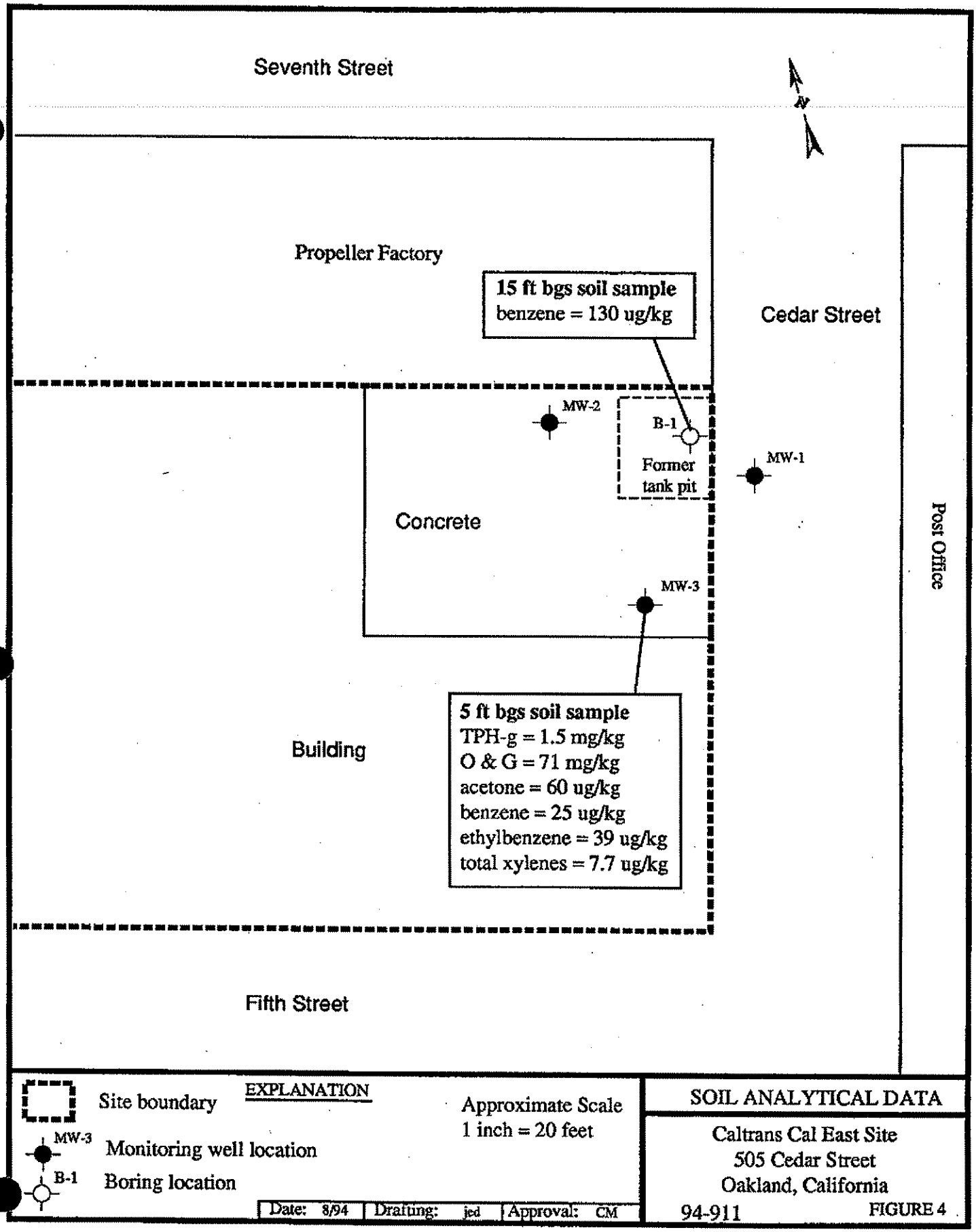
Date: 8/94	Drafting: jed	Approval: CM

Approximate Scale
1 inch = 20 feet

GROUNDWATER CONTOUR MAP

Caltrans Cal East Site
505 Cedar Street
Oakland, California

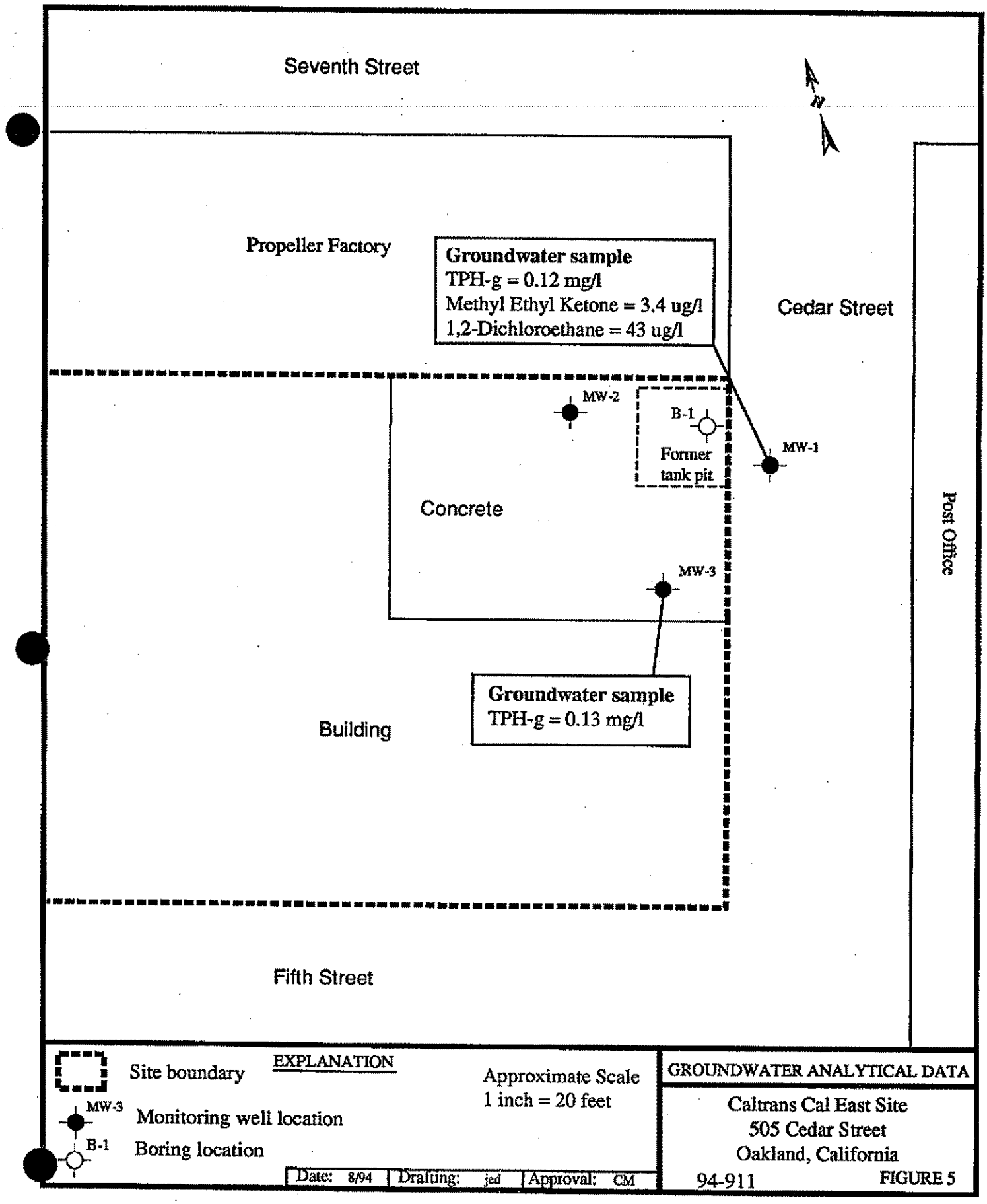
94-911 FIGURE 3



SOIL ANALYTICAL DATA

Caltrans Cal East Site
505 Cedar Street
Oakland, California

94-911 FIGURE 4



GROUNDWATER ANALYTICAL DATA

Caltrans Cal East Site
505 Cedar Street
Oakland, California

94-911 FIGURE 5

UST Removal

TABLE 1. Summary of Analytical Results

Sample ID	Sample Date	TPH Gasoline (ppm)	TPH Diesel (ppm)	Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	total lead (ppm)	CAM 17 Metals	EPA Method 8240 Compounds
EX-1	11-18-93	7.2	-	-	0.93	0.26	0.067	0.35	2.4	-	-
EX-2	11-18-93	15	-	-	2.7	3.0	0.23	1.3	3.1	-	-
SW-1	11-18-93	5200	<10	77	52	290	70	400	73	-	-
SW-2	11-18-93	13000	-	-	71	630	170	1100	31	-	-
SW-3	11-18-93	6.7	-	-	0.31	0.017	0.24	0.31	2.5	-	-
SW-4	11-18-93	27	-	-	1.2	4.7	0.34	1.7	4.6	-	-
*EX-1A	11-23-93	<1.0	-	-	0.13	<0.005	<0.005	<0.005	-	-	-
*EX-2A	11-23-93	1.3	-	-	0.0084	0.047	0.009	0.062	-	-	-
*SW-1A	11-23-93	45	-	<50	0.16	0.50	0.40	2.3	<0.5	-	-
*SW-2A	11-23-93	23	-	-	0.32	0.62	0.32	1.8	-	-	-
*SW-3A	11-23-93	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	-	-	-
*SW-4A	11-23-93	<1.0	-	-	0.017	<0.005	0.0053	<0.005	-	-	-
GW-1	11-23-93	31	-	-	6.3	6.9	0.65	5.2	0.02	-	-
SP1-4	11-23-93	480	-	-	0.37	5.5	3.9	25	17	<10x STLC	d[1]
SP5-8	11-23-93	2700	-	-	18	10	37	200	25	0.28 Hg*	d[2]

overex

ppm Parts per million (milligrams per kilogram [mg/kg] for soil samples or milligrams per liter [mg/l] for water samples).

<10 Indicates that the constituent analyzed was not detected at a concentration above the stated detection limit.

- Not analyzed.

<10x STLC Total concentrations of detected metals were not greater than 10 times the California Title 22 Soluble Threshold Limit Concentration values.

* Mercury was the only detected metal which was greater than 10 times the STLC value. The Title 22 STLC value for mercury is 0.02 mg/l (ppm).

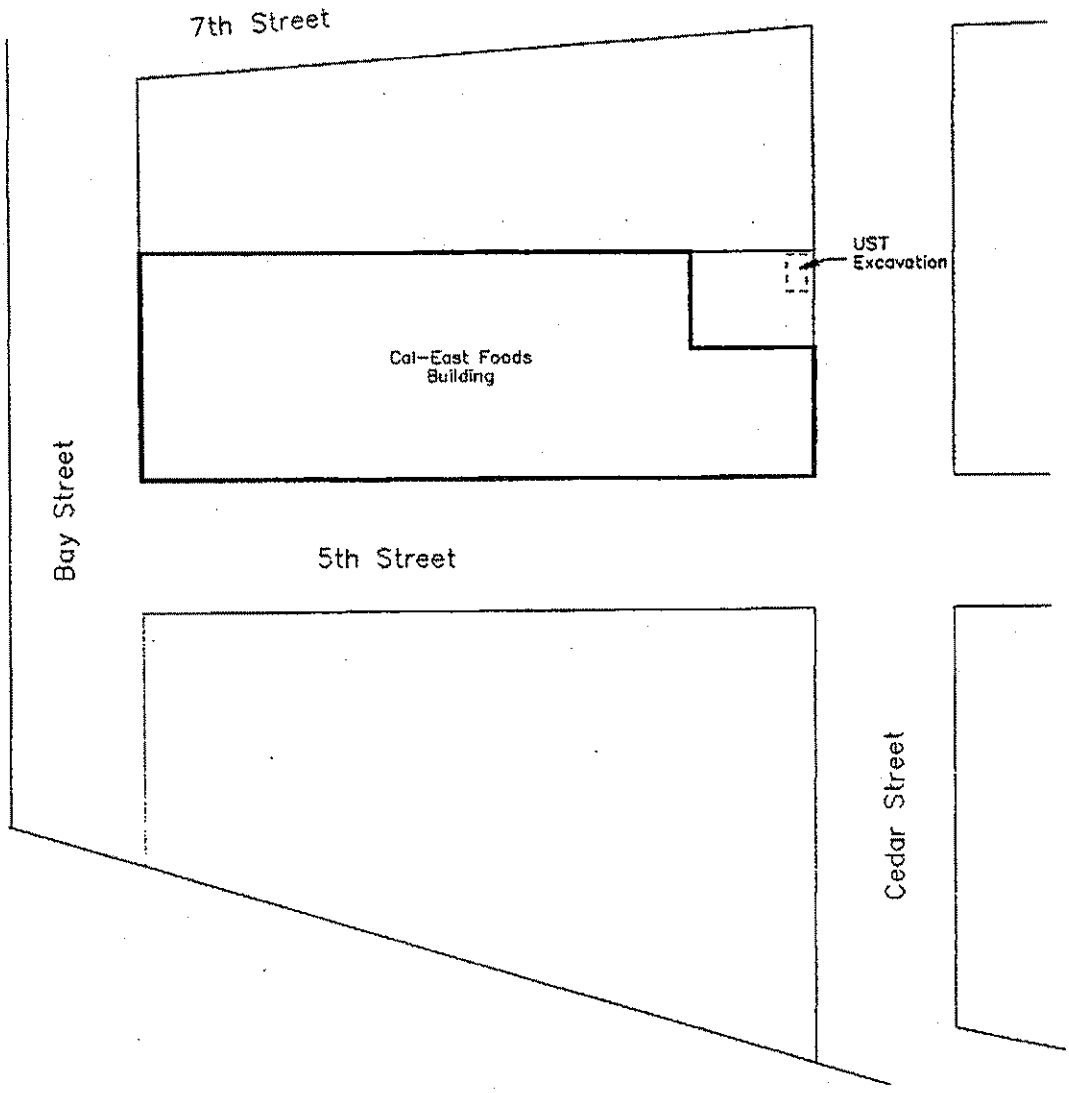
d One or more EPA Method 8240 compounds were detected. See notations below.

1 Composite sample SP1/SP2/SP3/SP4 contained the EPA 8240 compounds acetone (1.5 ppm), methyl ethyl ketone (MEK) (15 ppm), methyl isobutyl ketone (13 ppm), and BTEX (EPA 8020 results listed).

2 Composite sample SP5/SP6/SP7/SP8 contained the EPA 8240 compounds acetone (4.6 ppm), MEK (5.9 ppm), methyl isobutyl ketone (52 ppm), tetrachloroethene (PCE) (2.0 ppm), and BTEX (EPA 8020 results listed).

* soil left in place

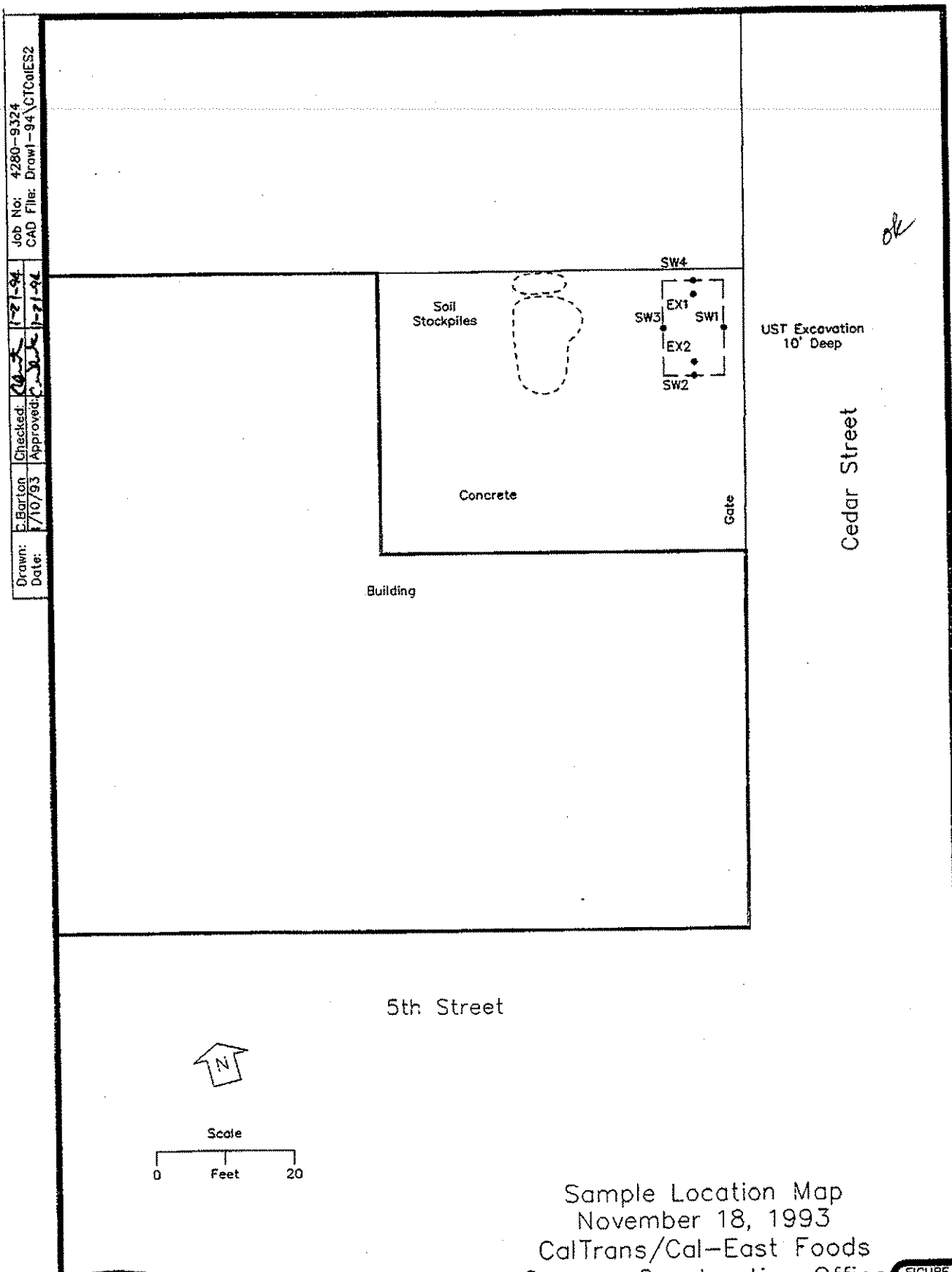
Drawn:	C.Barton	Checked:			Job No: 4280-9324
Date:	1/10/93	Approved:			CAD File: Draw1-94\CTCalES2



Site Vicinity Map
CalTrans/Cal-East Foods
Cypress Construction Office
Oakland, CA

RIEDEL ENVIRONMENTAL SERVICES, INC RICHMOND, CALIFORNIA

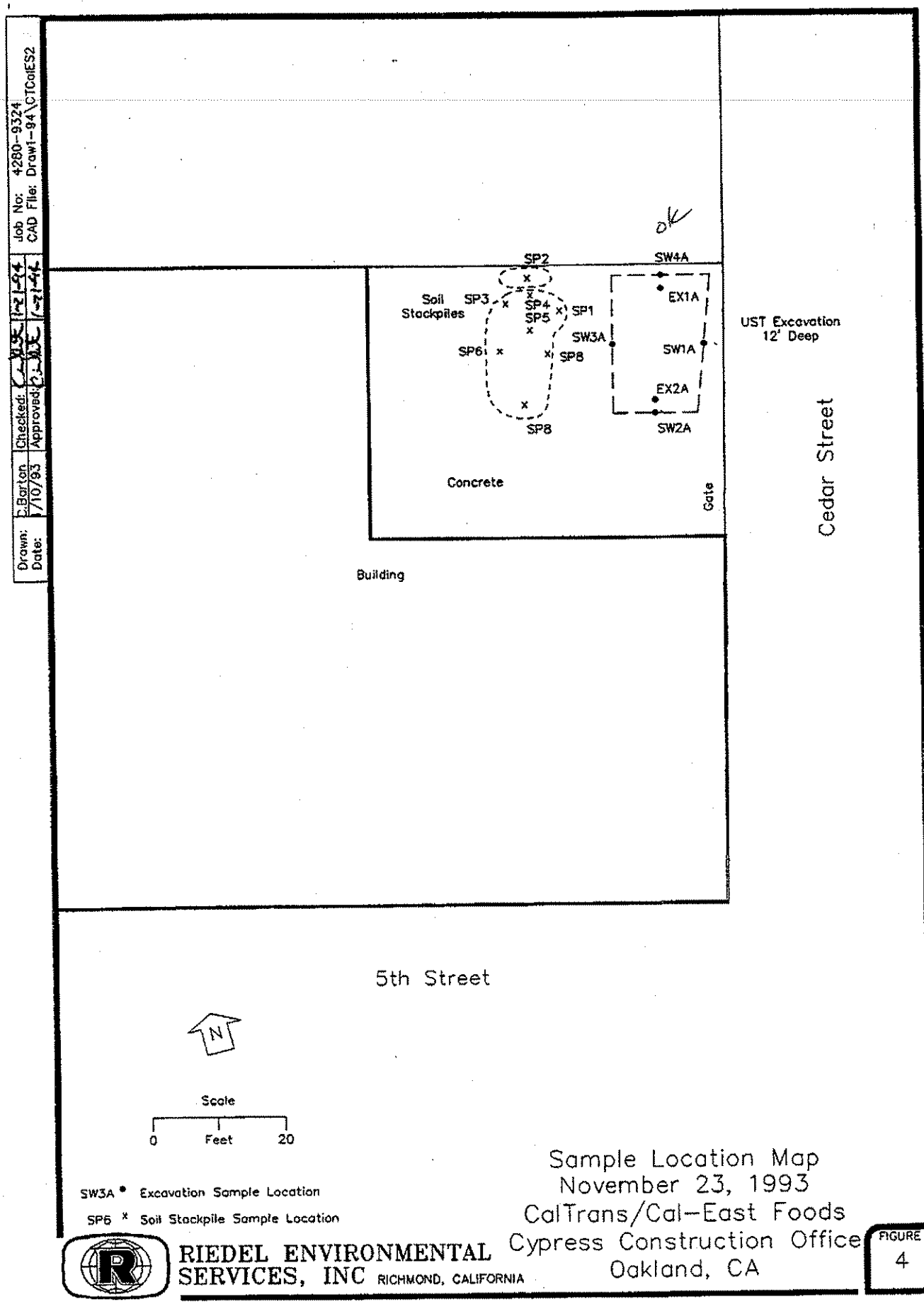
FIGURE 2



Sample Location Map
November 18, 1993
CalTrans/Cal-East Foods
Cypress Construction Office
Oakland, CA

RIEDEL ENVIRONMENTAL SERVICES, INC RICHMOND, CALIFORNIA

FIGURE 3


Job No: 4280-9324
CAD File: Draw1-94\CTCalES2
Checked: 12-1-94
Approved: 12-1-94
Drawn: E.Barton
Date: 1/10/93
SP2
SW4A
Soil Stockpiles
SP3
SP4
SP5
SP1
EX1A
UST Excavation 12' Deep
SW3A
SP6
SP8
SW1A
EX2A
SP8
SW2A
Concrete
Gate
Cedar Street
Building
5th Street
N
Scale
0
Feet
20
SW3A • Excavation Sample Location
SP6 × Soil Stockpile Sample Location
RIEDEL ENVIRONMENTAL SERVICES, INC RICHMOND, CALIFORNIA
Sample Location Map
November 23, 1993
CalTrans/Cal-East Foods
Cypress Construction Office
Oakland, CA
FIGURE
4

GW Sampling.

Table 1: Cal-East Foods Groundwater Analytical Results

MWell #	Date of Sampling	8240 VOCs (ug/L)	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Methyl Ethyl Ketone	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethyl Vinyl Ether	Chloroform	Chloromethane	Dibromochloromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	1,2-Dichloropropane	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Methylene Chloride	Methyl Isobutyl Ketone	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene
MW1	07/27/94		ND	ND	ND	ND	ND	3.4	--	ND	ND	ND	ND	ND	ND	ND	ND	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1	10/27/94		ND	37	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1	01/19/95		ND	16	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1	04/13/95		ND	3.5	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1	10/25/95		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1	02/01/96		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1	04/29/96		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	07/27/94		ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	10/27/94		ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	01/19/95		ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	04/13/95		ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	10/25/95		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	02/01/96		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	04/29/96		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW3	07/27/94		ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW3	10/27/94		ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW3	01/19/95		ND	7.3	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
MW3	04/13/95		ND	23	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
MW3	10/25/95		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW3	02/01/96		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW3	04/29/96		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND=Not Detected
--=Not Analyzed

Table 1: Cal-East Foods Groundwater Analytical Results

MWell #	Date of Sampling	8240 VOCs (ug/L) cont.	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride	Total Xylenes	Methyl t-Butyl Ether (EPA 8020)	Hydrocarbons (mg/L)	8015m TPH-gasoline
MW1	07/27/94		ND	ND	ND	ND	ND	ND	ND	ND	--		0.12
MW1	10/27/94		ND	ND	ND	ND	ND	ND	ND	ND	--		0.45
MW1	01/19/95		ND	ND	ND	ND	ND	ND	ND	ND	--		ND
MW1	04/13/95		ND	ND	ND	ND	ND	ND	ND	ND	--		0.18
MW1	10/25/95		ND	ND	ND	ND	--	ND	ND	ND	ND		0.08
MW1	02/01/96		ND	ND	ND	ND	--	ND	ND	ND	ND		ND
MW1	04/29/96		ND	ND	ND	ND	--	ND	ND	ND	ND		ND
MW2	07/27/94		ND	ND	ND	ND	ND	ND	ND	ND	--		ND
MW2	10/27/94		ND	ND	ND	ND	ND	ND	ND	ND	--		ND
MW2	01/19/95		ND	ND	ND	ND	ND	ND	ND	ND	--		ND
MW2	04/13/95		ND	ND	ND	ND	ND	ND	ND	ND	--		ND
MW2	10/25/95		ND	ND	ND	ND	--	ND	ND	ND	ND		ND
MW2	02/01/96		ND	ND	ND	ND	--	ND	ND	ND	ND		ND
MW2	04/29/96		ND	ND	ND	ND	--	ND	ND	ND	ND		ND
MW3	07/27/94		ND	ND	ND	ND	ND	ND	ND	ND	--		0.13
MW3	10/27/94		ND	ND	ND	ND	ND	ND	ND	ND	--		0.07
MW3	01/19/95		ND	ND	ND	ND	ND	ND	ND	7.7	--		2.90
MW3	04/13/95		2.7	ND	ND	ND	ND	ND	ND	11.0	--		1.30
MW3	10/25/95		ND	ND	ND	ND	--	ND	ND	ND	ND		0.20
MW3	02/01/96		ND	ND	ND	ND	--	ND	ND	ND	ND		0.20
MW3	04/29/96		ND	ND	ND	ND	--	ND	ND	ND	ND		ND

ND=Not Detected
--=Not Analyzed

Table 2
Cal-East Foods Groundwater Investigation
505 Cedar Street
Groundwater Conductivity, pH, and Temperature Measurements

Well Number	Measuring Date	Conductivity (umhos/cm)	pH	Temperature (degrees fahrenheit)
MW1	07/27/94	1158	NA	67
	10/27/94	1103	7.0	70
	01/19/95	1410	6.6	66
	04/13/95	1110	7.1	63
	10/25/95	3650	6.6	65
	02/01/96	1240	6.0	61
	04/29/96	3630	6.3	78
MW2	07/27/94	1040	NA	65
	10/27/94	916	7.1	68
	01/19/95	740	7.0	63
	04/13/95	571	6.3	63
	10/25/95	810	6.8	65
	02/01/96	257	6.6	61
	04/29/96	996	6.6	77
MW3	07/27/94	1756	NA	67
	10/27/94	1374	6.8	68
	01/19/95	980	6.6	60
	04/13/95	532	6.6	62
	10/25/95	1050	6.8	66
	02/01/96	307	6.3	60
	04/29/96	1600	6.3	76

NA=Not Available

Table 3
Cal-East Foods Groundwater Investigation
505 Cedar Street
Water Level Data

Well Number	Top of Casing Elevation*	Measuring Date	Depth To Water**	Water Level Elevation*
MW1	9.25	07/27/94	8.83	0.42
		10/27/94	8.32	0.94
		01/19/95	4.91	4.34
		04/13/95	5.28	3.97
		10/25/95	7.36	1.89
		02/01/96	5.65	3.60
		04/29/96	7.62	1.63
MW2	9.84	07/27/94	9.24	0.60
		10/27/94	8.82	1.02
		01/19/95	5.31	4.53
		04/13/95	5.74	4.10
		10/25/95	7.68	2.16
		02/01/96	5.94	3.90
		04/29/96	8.14	1.70
MW3	9.41	07/27/94	8.94	0.47
		10/27/94	8.41	1.00
		01/19/95	3.78	5.63
		04/13/95	5.36	4.05
		10/25/95	7.37	2.04
		02/01/96	5.80	3.61
		04/29/96	7.71	1.70

*=Measurement in feet above USGS Mean Sea Level

**=Measurement in feet from top of casing

Project Name:	CALTRANS-Cal East	**Date:**	4/4/94	**Boring Number:**	B-1
Project No:	94-911	Borehole Depth:	30 Feet	Surface Completion:	Grout
Drilling Co:	West Hazmat Drilling	Well Depth:	N/A	Surface Elevation:	N/A
Drilling Equip:	Mobile B-61	Water Elev.:	N/A	Logged By:	JED
Sampler Type:	Cal modified split spoon	Casing Elevation:	N/A	Checked By:	CMM

Description	Depth (feet)	Sample Number	Blows/6 inches	OVM (ppm)	Remarks
Dark yellowish brown (10YR 4/2), SAND (SP) (0% clay 0% silt, 100% sand, 0% gravel) fine to medium grained, poorly graded, loose, moist (fill).	5	B-1-5	3 2 2	0	Constituent percentages are visual field estimates only.
Grades wet.	10	B-1-10	5 12 26	0	FIRST WATER
	15	B-1-15	11 27 36	8	
	20	B-1-20	17 36 50	1	
Moderate yellowish brown 10YR 5/4 clayey SAND (SC) (25,0,75,0) medium dense, saturated.	25	B-1-25	N/A 9 21	0	
	30	B-1-30	50 for 3"	0	Bottom at 30 feet

ENVIRONMENTAL SOLUTIONS, INC.

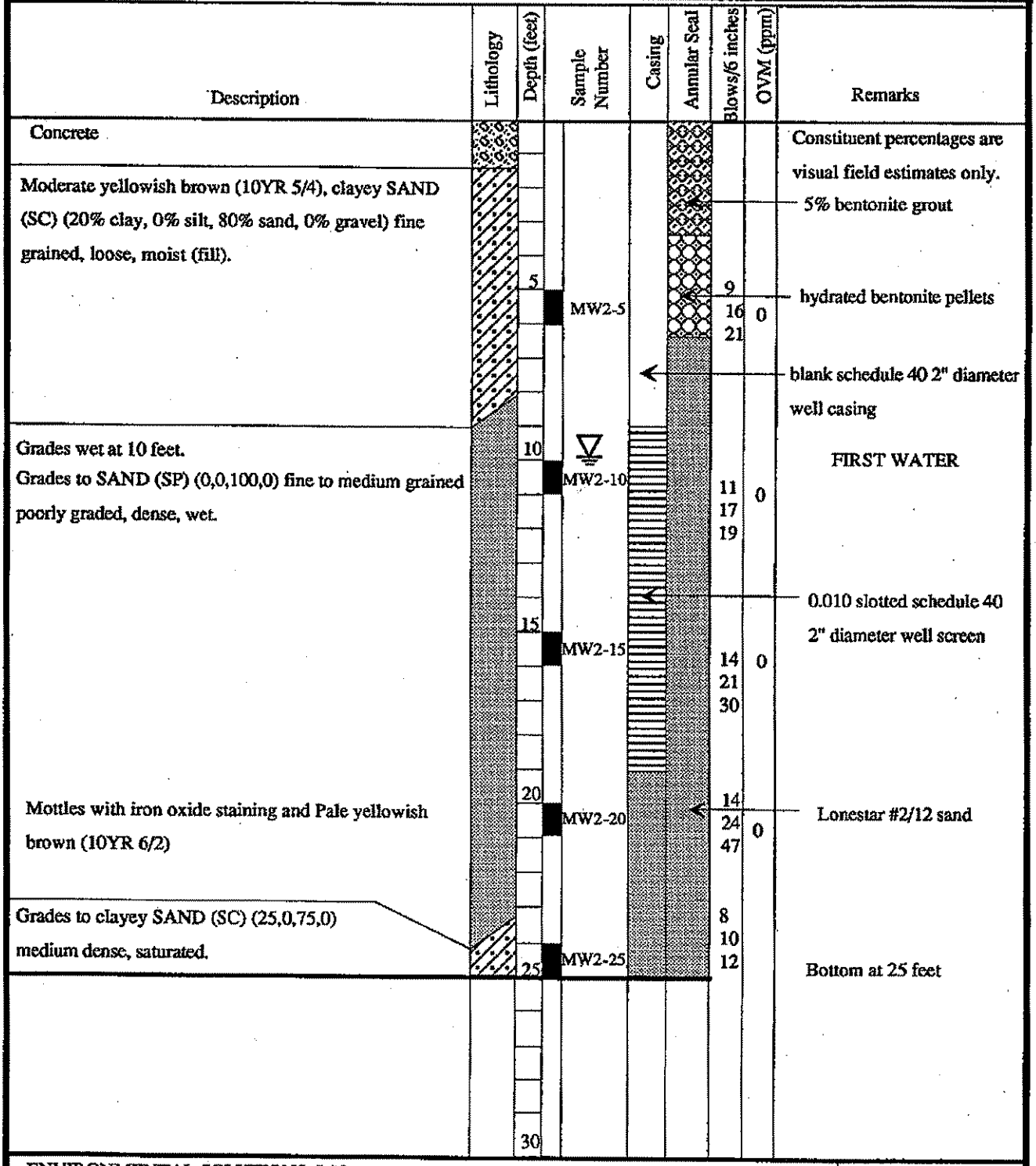
Figure No. A-1

Project Name:	CALTRANS-Cal East	**Date:**	7/21/94	**Boring Number:**	MW-1
Project No:	94-911	Borehole Depth:	21.5 Feet	Surface Completion:	Chrisy box
Drilling Co:	West Hazmat Drilling	Well Depth:	20'	Surface Elevation:	9.42'
Drilling Equip:	Mobile B-61	Water Elev.:	0.42'	Logged By:	JED
Sampler Type:	Cal modified split spoon	Casing Elevation:	9.25'	Checked By:	CMM

Description	Depth (feet)	Sample Number	Blows/6 inches	OVM (ppm)	Remarks
Asphalt and baserock					Constituent percentages are visual field estimates only.
Moderate yellowish brown (10YR 5/4), SAND (SP) (0% clay, 0% silt, 100% sand, 0% gravel) fine to medium grained, poorly graded, medium dense, dry (fill).	5	MW1-5	12 20 27	0	5% bentonite grout hydrated bentonite pellets blank schedule 40, 4" diameter well casing.
Grades wet at 10.5 feet.	10	MW1-10	20 38 45	0	FIRST WATER
	15	MW1-15	20 35 45	0	0.010 slotted schedule 40 4" diameter well screen
Grades to clayey SAND (SC) (25,0,75,0) fine grained sand, dense, wet.					
Mottles with medium dark gray (N4).	20	MW1-20	22 40 50 for 4"	0	Lonestar #2/12 sand Bottom at 21.5 feet
	25				
	30				

ENVIRONMENTAL SOLUTIONS, INC. | Figure No. A-2

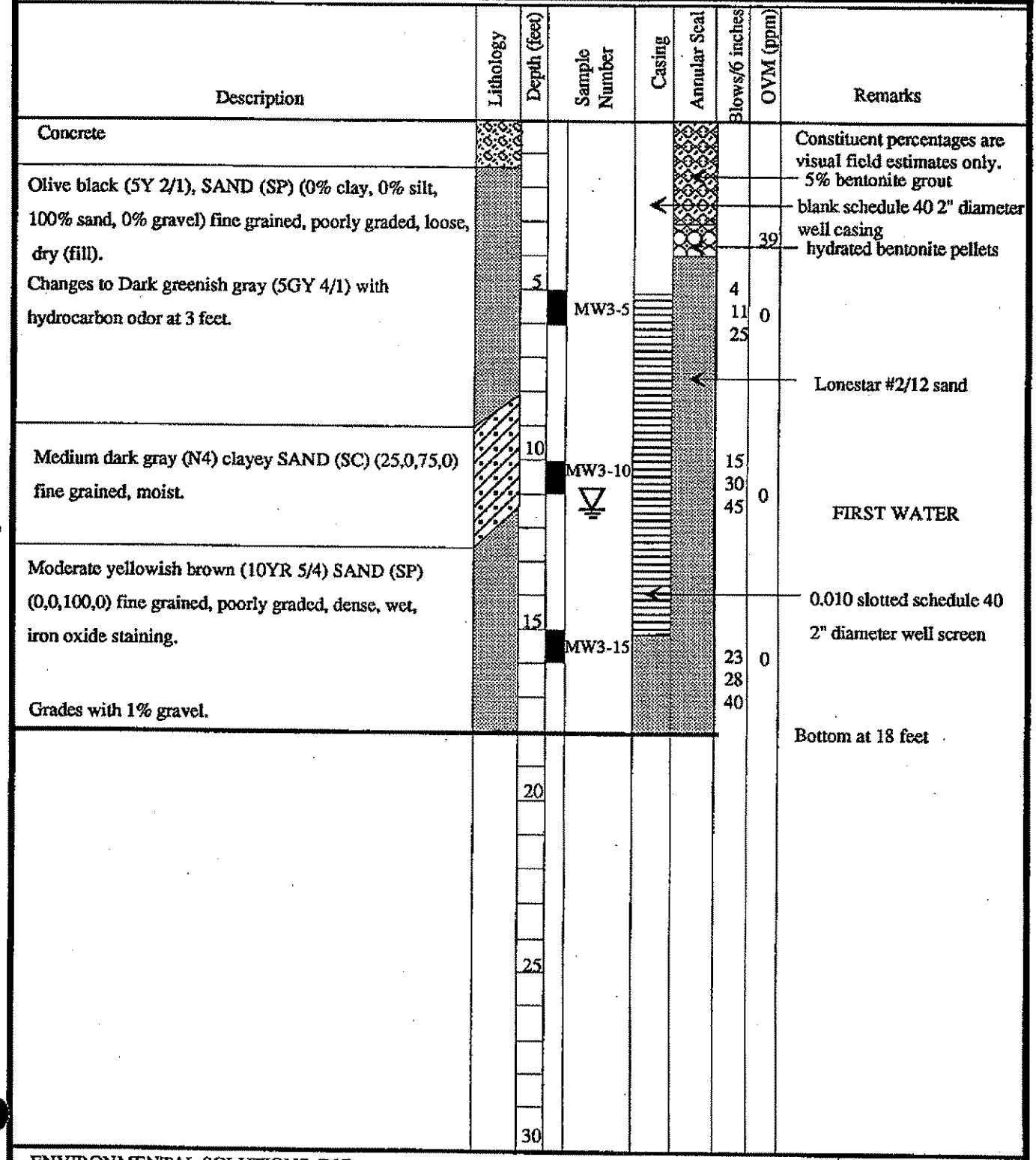
Project Name:	CALTRANS-Cal East	**Date:**	4/4/94	**Boring Number:**	MW-2
Project No:	94-911	Borehole Depth:	25 Feet	Surface Completion:	Christy box
Drilling Co:	West Hazmat Drilling	Well Depth:	19'	Surface Elevation:	10.18'
Drilling Equip:	Mobile B-61	Water Elev.:	0.60'	Logged By:	JED
Sampler Type:	Cal modified split spoon	Casing Elevation:	9.84'	Checked By:	CMM



ENVIRONMENTAL SOLUTIONS, INC.

Figure No. A-3

Project Name:	CALTRANS-Cal East	Date: 7/21/94	Boring Number: MW-3
Project No:	94-911	Borehole Depth: 18 Feet	Surface Completion: Christy box
Drilling Co:	West Hazmat Drilling	Well Depth: 15'	Surface Elevation: 9.81'
Drilling Equip:	CME 55	Water Elev.: 0.47'	Logged By: JED
Sampler Type:	Cal modified split spoon	Casing Elevation: 9.41'	Checked By: CMM



ENVIRONMENTAL SOLUTIONS, INC.

Figure No. A-4