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

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 11, 2001

STID 1813 / RO 0000513

Mr. Stephen Gehrett
East Bay Regional Park District
P.O. Box 5381
Oakland, CA 94605

RE: EBRPD South County Corporation Yard, 17930 Lake Chabot Road, Castro Valley

Dear Mr. Gehrett:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]) of the California Health and Safety Code. The State Water Resources Control Board (SWRCB) has required since March 1, 1997 that this agency use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at this site.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Up to 1300 milligrams per kilogram (mg/kg) Total Petroleum Hydrocarbons (TPH) as Gasoline, 1.1 mg/kg Benzene, and 1800 mg/kg TPH as Diesel are present in soil at an approximate depth of 12.5' below grade in the tank excavation.

If you have any questions, please contact the undersigned at (510) 567-6783.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Enclosures:
1. Case Closure Letter
2. Case Closure Summary

cc: Ariu Levi, Chief, Environmental Protection

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REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Stephen Gehrett
East Bay Regional Park District
P.O. Box 5381
Oakland, CA 94605

RE: EBRPD South County Corporation Yard, 17930 Lake Chabot Road, Castro Valley

Dear Mr. Gehrett:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health Services

c: Chuck Headlee, RWQCB
Dave Deaner, SWRCB **(w/attachment)**
SOS/files

RB#01-2527

CALIFORNIA REGIONAL WATER

JUN 26 2001

QUALITY CONTROL BOARD

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 05/18/01

Agency name: **Alameda County-EPD**
City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Scott Seery**

Address: **1131 Harbor Bay Pkwy #250**
Phone: **(510) 567-6700**
Title: **Haz. Materials Spec.**

II. CASE INFORMATION

JUL 11 2001

Site facility name: **EBRPD South County Corporation Yard**
Site facility address: **17930 Lake Chabot Rd., Castro Valley 94546**
RB LUSTIS Case No: **N/A**
Local Case No./LOP Case No.: **1813 / RO 0000513**
URF filing date: **10/28/98**
SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Easy Bay Regional Park District Attn: Stephen Gehrett	P.O. Box 5381 Oakland, CA 94605	(510) 544-2700

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	8000	gasoline	removed	11/18/98
2	8000	"	"	"
3	2200	diesel	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: leaky diesel dispenser union

Site characterization complete? YES

Date approved by oversight agency: 12/707/98

Monitoring Wells installed? NO Number: 0

Proper screened interval? NA

Highest GW depth below ground surface: UNK Lowest depth: UNK

Flow direction: UNK

Most sensitive current use: water shed

Are drinking water wells affected? NO Aquifer name: UNK

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): NONE

Report(s) on file? **YES** Where is report filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	2 x 8K; 2.2K	Disposal –Erickson, Inc.	11/18/98
Piping	<20'	as above	
Soil	~329 tons*	Disposal - Altamont L.F.	08/24/00 – 08/28/00

* This quantity also includes soil derived from EBRPD's Tilden Park Corp. Yard

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)[1]		Water (ppb)[2]	
	Before	After	Before	After
TPH (Gas)	2300	1300	<20K	NA
TPH (Diesel)	8600	1800	100K	"
Benzene	<1.2	1.1	300	"
Toluene	<1.2	1.2	280	"
Xylene	1.5	3.2	<200	"
Ethylbenzene	<1.2	0.7	<200	"
Other: MTBE	<6.2 (8020)	2.5 (8020)	56K (8020)	"

Notes: 1) "Before" soil samples were collected from pea-gravel backfill below diesel dispenser prior to initiation of UST removals. "After" soil results reflect samples collected from the base of the enlarged excavation at the 12.5' depth from materials scraped up from the sedimentary bedrock encountered there.

2) "Before" water samples were collected from small puddles of rainwater that had infiltrated the open UST excavation, and does not reflect ambient groundwater conditions

Comments (Depth of Remediation, etc.):

Two 8000-gallon gasoline and one 2200-gallon diesel single walled fiberglass USTs were removed from this site in November 1998. The site is located on a hilltop which steeply slopes down toward Lake Chabot Reservoir located approximately 2000 feet away (horizontal distance) and 300 feet below (vertical distance). The tanks were used primarily to fuel park vehicles. The entire hilltop location was historically used as a Nike missile launch battery prior to the EBRPD setting their corporation yard there in approximately 1977.

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

The USTs appeared intact upon removal; however, evidence of leakage had been observed earlier at a union connecting the short length of product piping to the diesel dispenser. The tanks were emplaced in an excavation that had been augered out of sedimentary bedrock encountered at the approximate 6' depth.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? yes

Does corrective action protect public health for current land use? YES
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NA

Number Decommissioned: NA Number Retained: NA

List enforcement actions taken: NONE

List enforcement actions rescinded: NONE

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Haz Mat Specialist
Signature: Date: 5-18-01

Reviewed by
Name: Susan Hugo Title: Supervising Haz Mat Specialist
Signature: Susan L. Hugo Date: 6/19/01

Name: Eva Chu Title: Haz Mat Specialist
Signature: Date: 5/16/01

VI. RWQCB NOTIFICATION

Date Submitted to RB: 6-22-01 RB Response: concur
RWQCB Staff Name: Chuck Headlee Title: ~~San. Eng. Assoc.~~ Associate Engineering Geologist Date: 6/28/01

Leaking Underground Fuel Storage Tank Program

VII. ADDITIONAL COMMENTS, DATA, ETC.

This case appears be a "Low Risk Soils Case", as described in the January 5, 1996 San Francisco Bay Regional Water Quality Control memorandum entitled "*Regional Board Supplemental Instructions to State water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites,*" as follows:

1) **The leak has been stopped and ongoing sources, including free product, have been removed or remediated.**

The subject tanks were removed in 1998.

2) **The site has been adequately characterized.**

Wells and borings were deemed unnecessary based on observations made at the time of UST closures, the nature of the release, and the presence of well-indurated sedimentary bedrock geology underlying the site. Any residual contaminants in the UST pit are expected to be captured therein.

3) **Little or no groundwater impact currently exists and no contaminants are found at levels above established MCLs or other applicable water quality objectives.**

Shallow groundwater is not expected to be encountered below the UST site based on site geology.

4) **No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.**

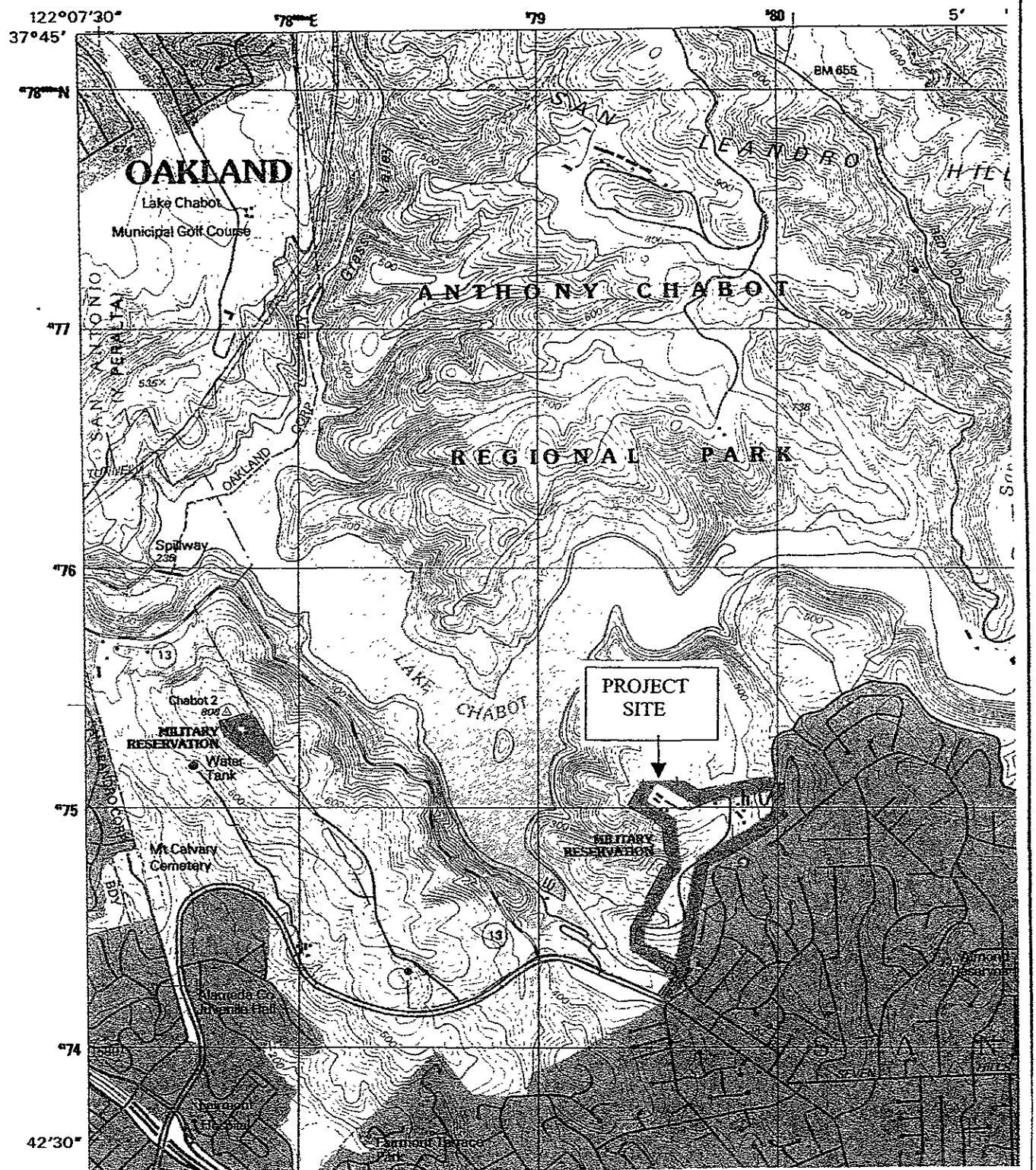
There are no known municipal or residential water wells or surface water bodies that are expected to be impacted from the limited release from this site.

5) **The site presents no significant risk to human health.**

Comparison of site-specific residual concentrations of fuel compounds (e.g., benzene) with the California Regional Water Quality Control Board (RWQCB), San Francisco Bay Region, Interim Final – August 2000 Summary Tier 1 Lookup Tables demonstrates that RBSL values are not exceeded for plausible exposure pathways at the 1E-05 risk level for a commercial/industrial site.

6) **The site presents no significant risk to the environment.**

No environmental receptors are expected to be impacted by the release at the site. Lake Chabot is the closest known potential environmental receptor.



N

SITE LOCATION ON U.S.G.S. TOPOGRAPHIC MAP

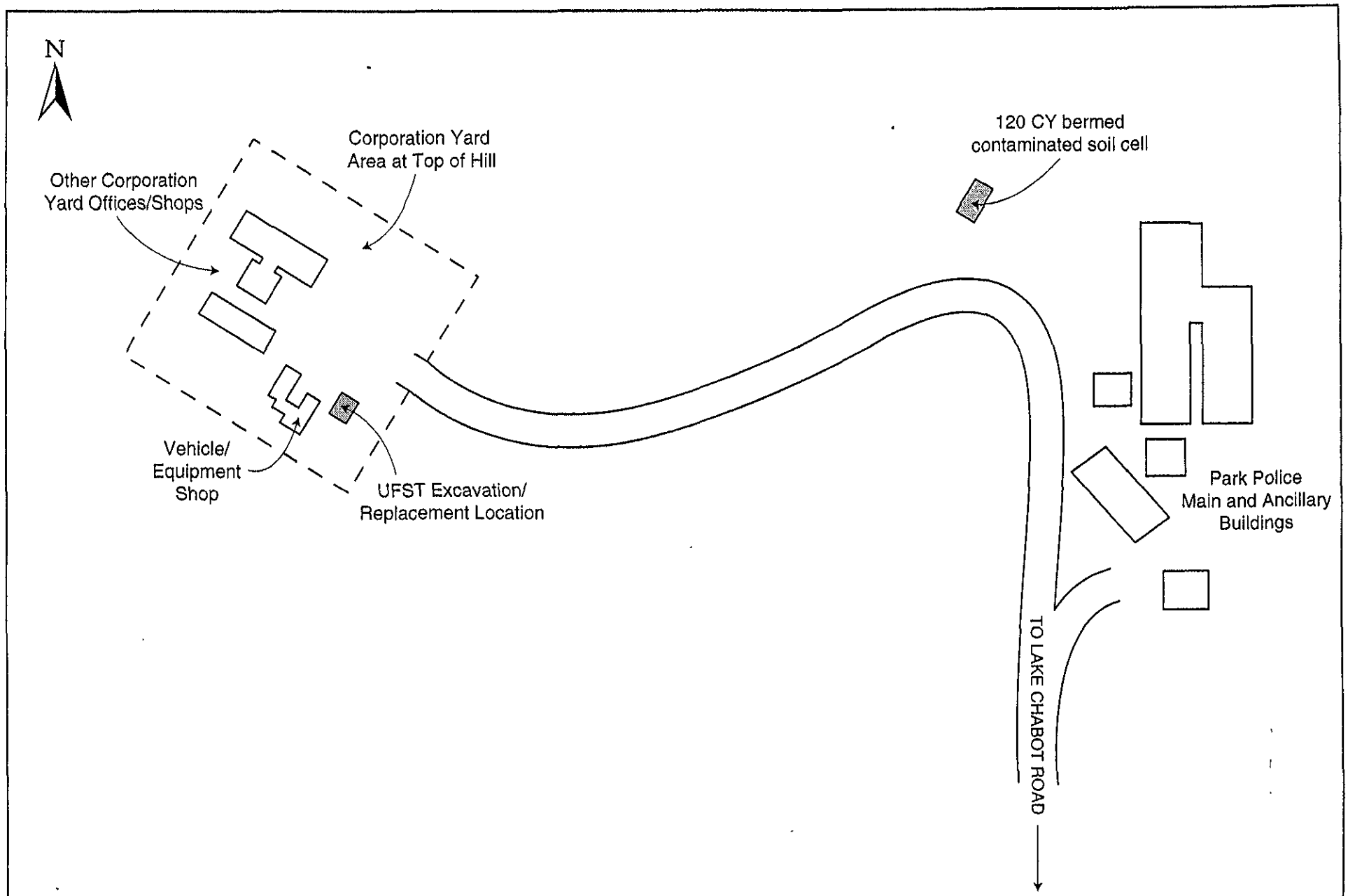
East Bay Regional Park District
17930 Lake Chabot Rd.

By: MJC | DECEMBER 1998

Figure 1

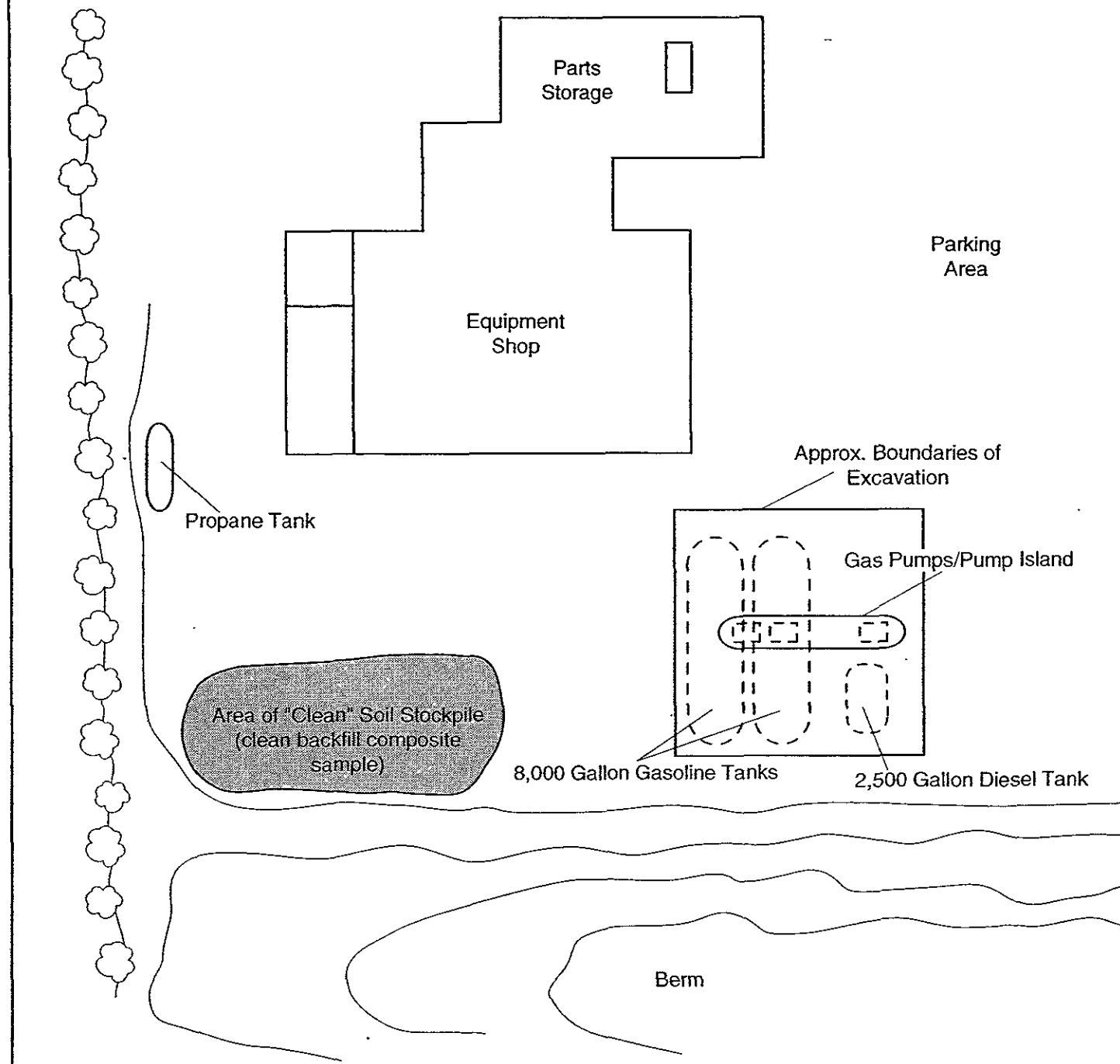
Stellar Environmental Solutions
Geoscience & Engineering Consulting

98038-4-a



★ Stellar Environmental Solutions Geoscience & Engineering Consulting	Site Plan Showing USFT Excavation and Contaminated Soil Cell East Bay Regional Park District, 17930 Lake Chabot Road	**Figure 5** by: MJC | JANUARY 1999

98039-5-a



LEGEND

Area of UFST excavation

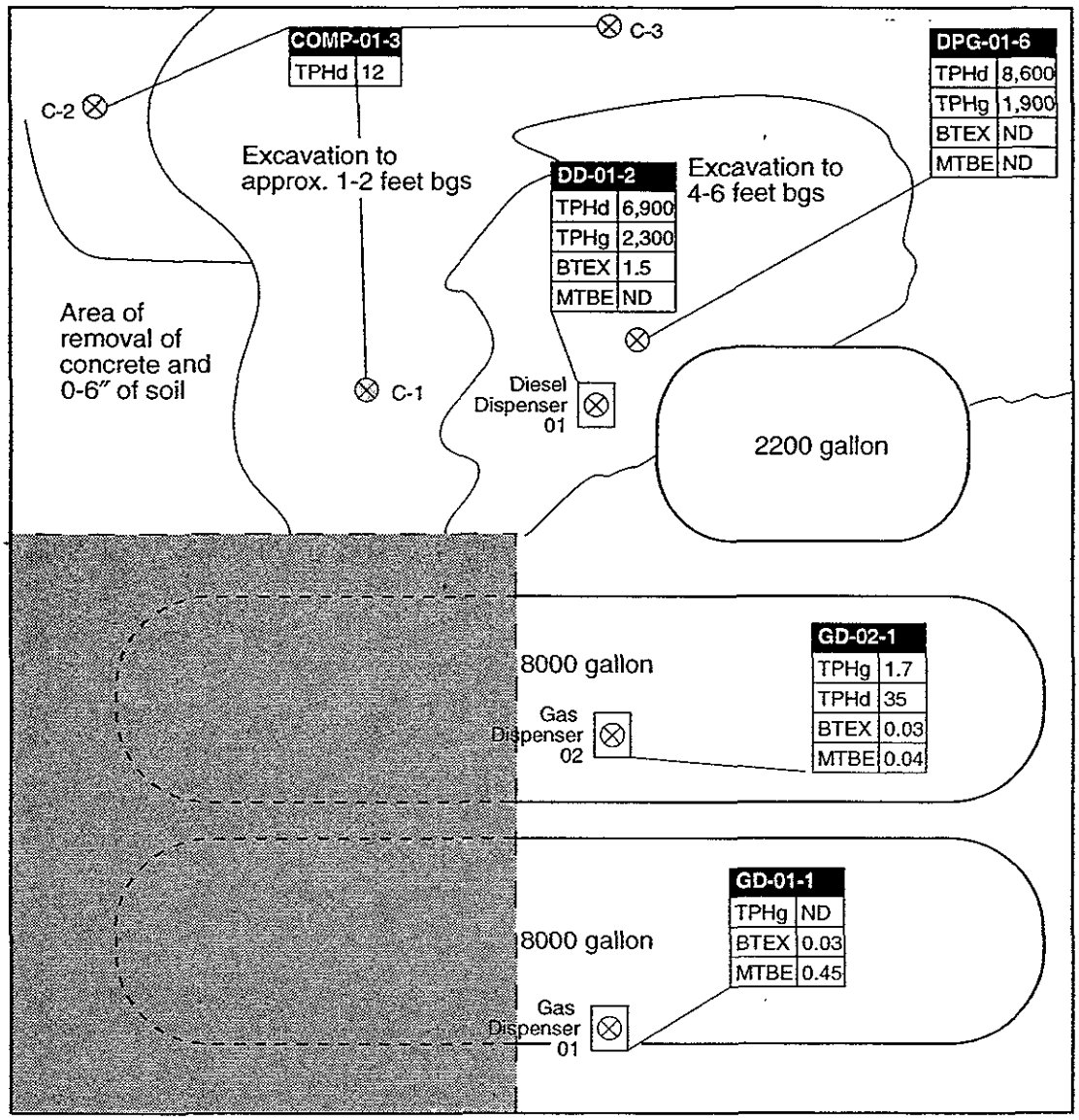
Approximately 50 CY clean soil stockpile

APPROXIMATE SCALE: 1 inch = 18 feet

SOUTH COUNTY CORPORATION YARD SITE PLAN SHOWING FORMER UFSTS

East Bay Park District 17930 Lake Chabot Rd.	By: MJC	NOVEMBER 1998	★ Stellar Environmental Solutions Geoscience & Engineering Consulting
	Figure 2		

98039-1-a



LEGEND

- Area of remaining concrete cover
- Composite sample location
- Single sample location

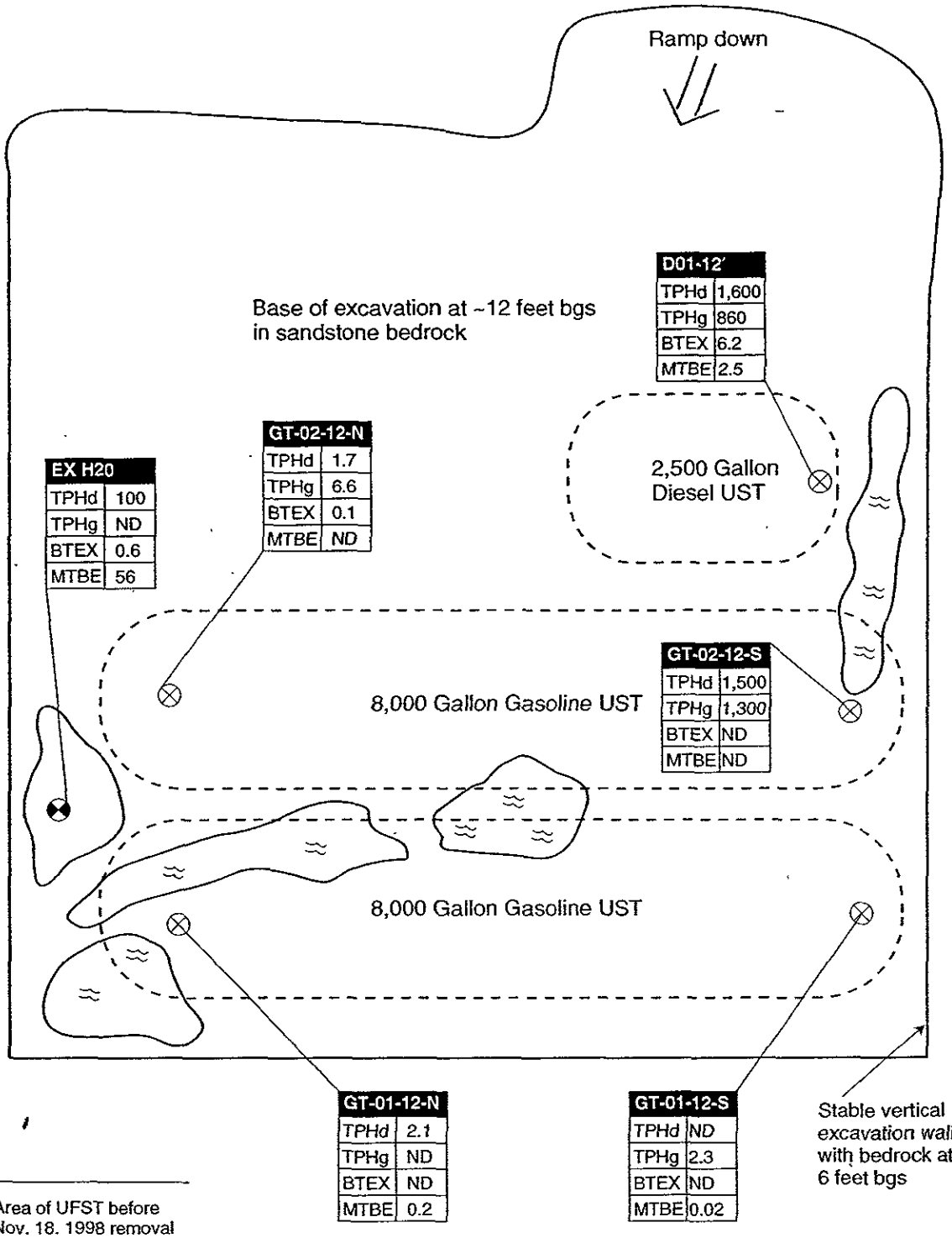
Notes: Scale of UFSTs estimated; all analytical concentrations in mg/kg

Scale approximately 1″ = 5′

98039-2-a

DETAIL OF PRELIMINARY (Nov. 9, 1998) UFST EXCAVATION SAMPLING RESULTS

East Bay Park District 17930 Lake Chabot Rd.	By: MJC	NOVEMBER 1998	★ Stellar Environmental Solutions Geoscience & Engineering Consulting
	Figure 3		



LEGEND

- Area of UFST before Nov. 18. 1998 removal
- Soil sampling location after UFST removal (data in mg/kg)
- Grab water sample location (data in mg/L)
- Ponded water (suggested to be rainwater versus groundwater)

Notes: Scale of UFSTs estimated
Scale approximately 1" = 5'

DETAIL OF FINAL (NOV. 18, 1998) UFST EXCAVATION SAMPLING RESULTS AFTER UFST REMOVALS

East Bay Park District 17930 Lake Chabot Rd.	By: MJC	NOVEMBER 1998	Stellar Environmental Solutions Geoscience & Engineering Consulting
	Figure 4		

98039-3-b

Table 1
Summary of Analytical Results – Excavation Sampling
November and December 1998 UFST Removal/Replacement Project
East Bay Regional Park District, South County Corporation Yard, Castro Valley, California

Sample I.D. and Description	Sample Depth (ft. bgs)	TPH Gasoline (EPA 8015M)	TPH Diesel (EPA 8015M)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Soil Samples (all concentrations in mg/Kg)								
November 9, 1998 Soil Samples								
Diesel Dispenser 01-2' (DD-01-2)	2'	2,300	6,900	ND	ND	ND	1.5	ND
Diesel Pea Gravel-01 (DPG-01-6)	6.5'	1,900	8,600	< 1.2	< 1.2	< 1.2	< 1.2	< 6.2
Comp. Sample 01-3	1-2'	NA	12	NA	NA	NA	NA	NA
Gas Dipenser 01-1' (GD-01-1)	1'	< 1	NA	< 0.005	0.007	< 0.005	0.028	0.45
Gas Dipenser 02-1' (GD-02-1)	1'	1.7	35	< 0.005	0.009	< 0.005	0.028	0.037
November 18, 1998 Soil Samples								
GT-01-BASE-12.5 N	12.5'	< 1	2.1	< 0.005	< 0.005	< 0.005	< 0.005	0.20
GT-02-BASE-12.5 N	12.5'	6.6	1.7	< 0.005	0.065	0.0057	0.029	< 0.025
GT-01-BASE-12.5 S	12.5'	< 1	2.3	< 0.005	< 0.005	< 0.005	< 0.005	0.025
GT-02-BASE-12.5 S	12.5'	1,300	1,500	< 2.5	< 2.5	< 2.5	< 2.5	< 12
Diesel-BASE-12.5 (D01-12')	12.5'	860	1,800	1.1	1.2	0.7	3.2	2.5
"Clean" Backfill Comp.	Not Applicable	1.6	18	< 0.005	0.0076	< 0.005	0.0054	0.098
Soil ARAR[1]		10 to 1,000	100 to 10,000					

Table continued on next page

Table 1 (Continued)

Sample I.D. and Description	Sample Depth (ft. bgs)	TPH Gasoline (EPA 8015M)	TPH Diesel (EPA 8015M)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Excavation Water Sample (all concentrations in µg/L)								
Excavation H_20 (Ex H_2O)	12.5'	< 20,000	100,000	300	280	< 200	< 200	56,000
Groundwater ARAR		NE	NE	1.0 [a]	1,000 [b]	680 [a]	1,750 [a]	14 [c]

ARAR = Applicable, Relevant and Appropriate Regulation; NA = Not Analyzed; NE = Not Established

[1] ARAR from the RWQCB LUFT Manual guidance

[a] California Maximum Contaminant Level (MCL); [b] Proposed Federal Primary MCL; [c] Proposed California Primary MCL

Table 2
Summary of Analytical Results – Contaminated Stockpile Samples
December 10, 1998
East Bay Regional Park District, South County Corporation Yard, Castro Valley, California

Sample I.D. and Description	TPH Gasoline (EPA 8015M)	TPH Diesel (EPA 8015M)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
4-point Composite Soil Samples (all concentrations in mg/Kg)							
CS-COMP-01 (stockpile)	79	2,000	<50	<50	<50	<50	<200
CS-COMP-01 (stockpile)	21	590	<5	<5	<5	<5	<20