

Ro-2437

JUL 30 2002



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Suite 200  
Rancho Cordova, CA 95670-6021  
U.S.A.  
916/638-2085  
FAX: 916/638-8385

July 22, 2002

Ms. Eva Chu  
Alameda County Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

Subject: *Work Plan to Destroy Monitoring Wells TC-1 through TC-3  
in Response to Regulatory Closure*  
Former Chevron No. 210-208  
6006 International Boulevard  
Oakland, California  
Delta Project No. DG20-208

Dear Ms. Chu:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Chevron Products Company (Chevron) to prepare a work plan to destroy the three temporary groundwater monitoring wells (TC-1 through TC-3) at the site. This work plan is being prepared in response to the site being granted regulatory closure by the Alameda County Health Department. A copy of the closure letter is included in Enclosure A. The location of the site is depicted on Figure 1 and site features are illustrated on Figures 2.

**Well Destruction**

Delta proposes destroying monitoring wells TC-1 through TC-3 by pressure grouting with neat cement in accordance with Alameda County Public Works Agency (ACPWA) requirements. Prior to destruction, the total depth and depth to groundwater in each well will be measured. The wells will be backfilled to within 12-inches of surface grade with neat cement grout mixed in accordance with ACPWA requirements. Following backfilling, the above-grade ("stove pipe") well boxes will be removed. The surface will be completed with either Rapid-Set™ concrete or native soil to match the adjacent ground surface. Monitoring well construction details for former monitoring wells TC-1 through TC-3 are included in Enclosure B.

**Permits**

Prior to destroying the wells, drilling permits will be obtained from the ACPWA.

**Schedule**

Due to the on-going construction activities at the current site owner has requested that the destruction of the wells be expedited. Delta has scheduled the wells to be destroyed on Friday, July 26, 2002, pending receipt of permits from ACPWA. A report summarizing the installation and sampling of the monitoring well will be submitted to the Alameda County Health Department 30 days following the destruction of the wells.

Ms. Eva Chu  
Alameda County Health Department  
July 22, 2002  
Page 2

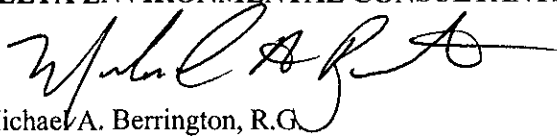
**Remarks/Signatures**

The interpretations contained in this document represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeological and engineering practices at this time and location. Other than this, no warranty is implied or intended.

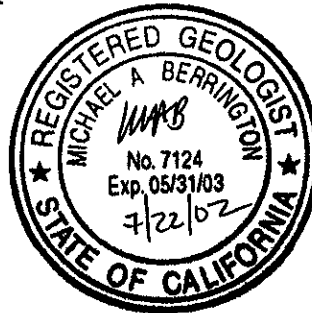
If you have any questions regarding this project, please contact me at (916) 536-2616.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

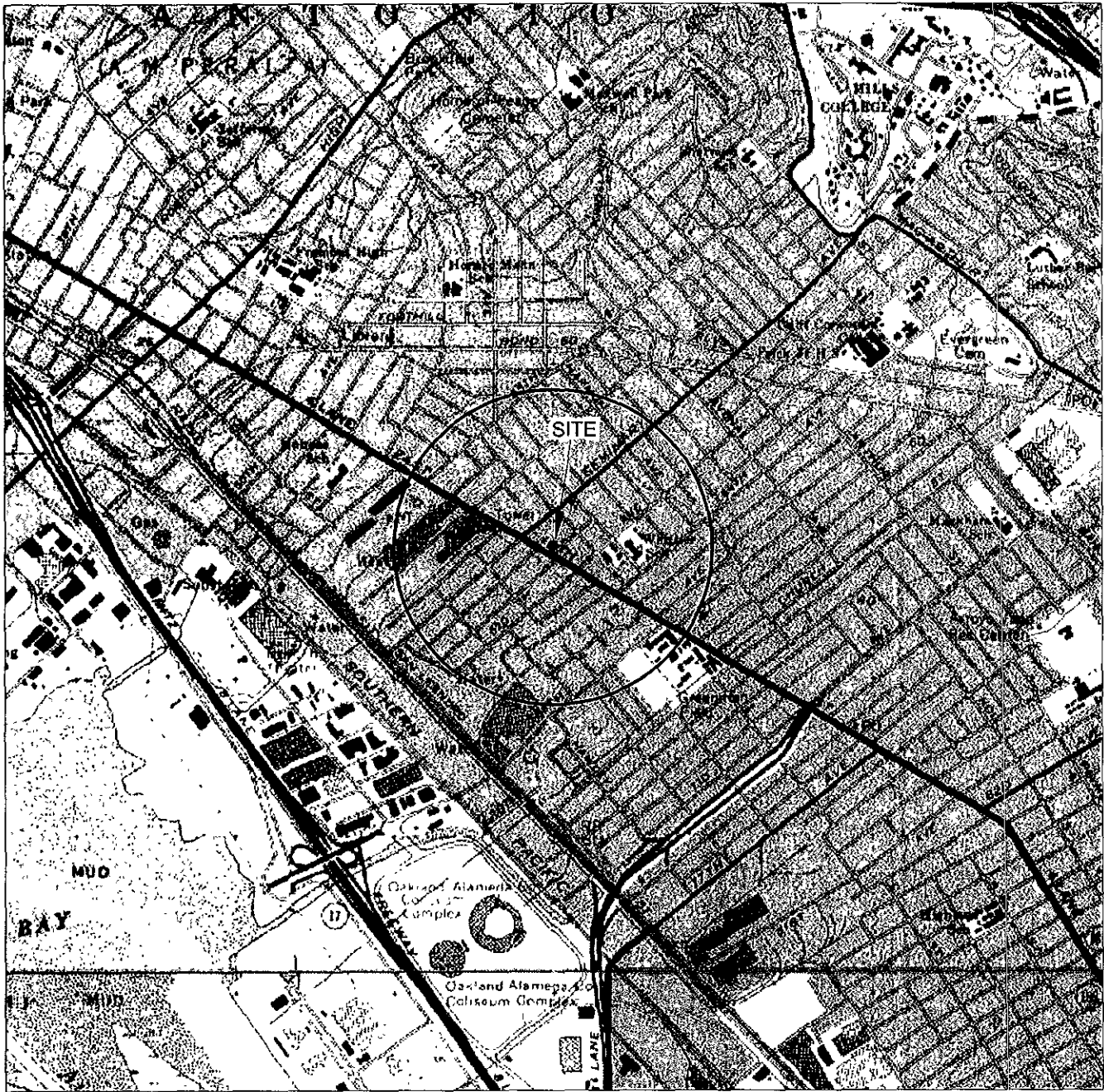


Michael A. Berrington, R.G.  
Project Manager  
California Registered Geologist No. 7124



MAB (LRP003.210208)  
Enclosures

cc: Ms. Karen Streich, Chevron Products Company  
Mr. James Coles, Resources for Community Development, 2131 University Avenue, Suite 224,  
Berkeley, CA 94707  
Mr. Liu-Mei Chen, 13710 41<sup>st</sup> Avenue N, Seattle, WA 98125



R 3 W.

GENERAL NOTES:  
 BASE MAP FROM U.S.G.S.  
 OAKLAND EAST & SAN LEANDRO, CA.  
 7.5 MINUTE TOPOGRAPHIC  
 PHOTOREVISED 1980



QUADRANGLE LOCATION

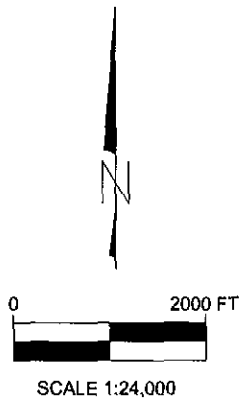


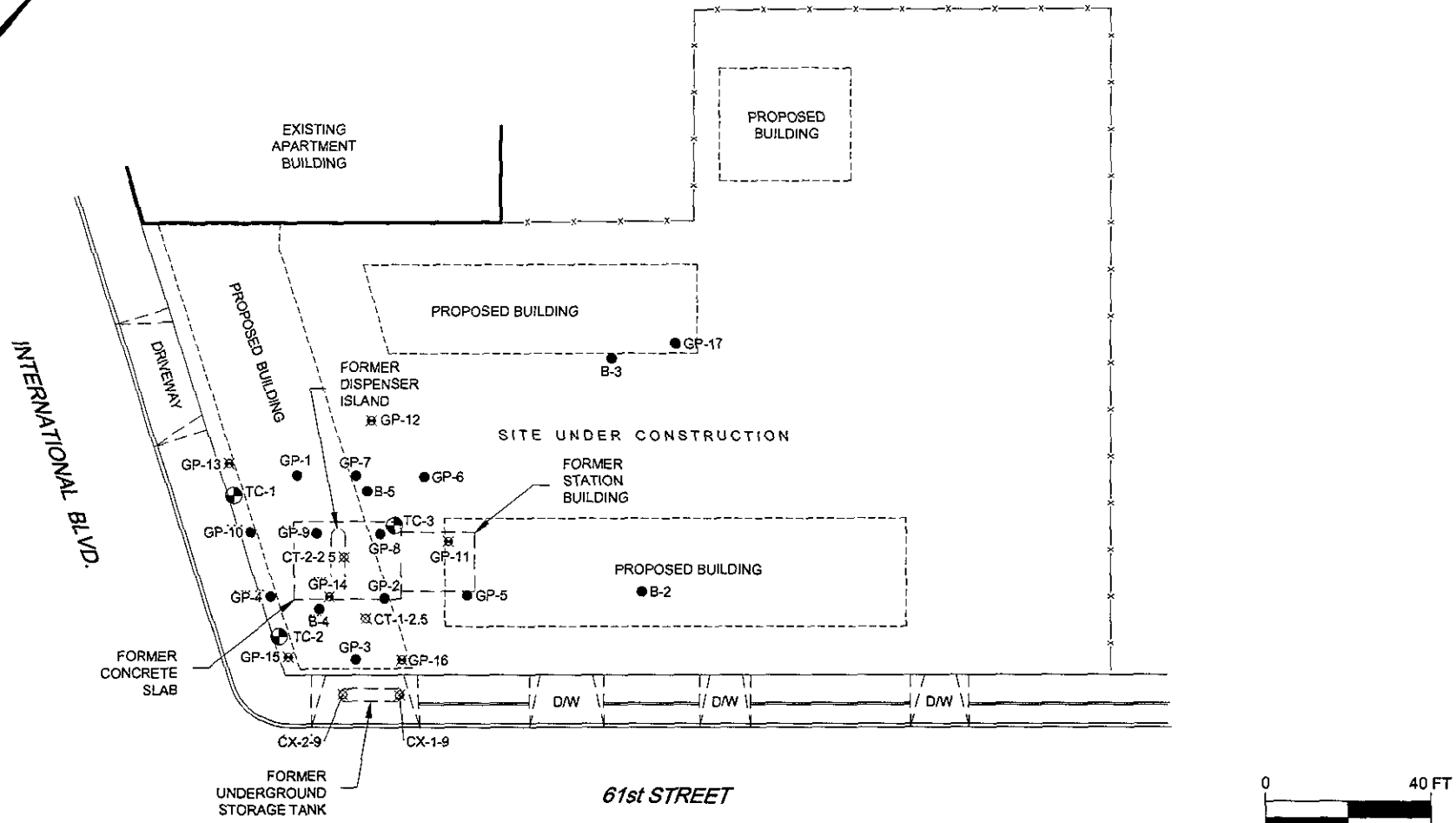
FIGURE 1

SITE LOCATION MAP

FORMER CHEVRON SERVICE STATION NO. 21-0208  
 6006 INTERNATIONAL BOULEVARD  
 OAKLAND, CALIFORNIA

PROJECT NO DG20-208	DRAWN BY M.L. 4/5/02
FILE NO. DG21208A	PREPARED BY MAB
REVISION NO. 1	REVIEWED BY





- LEGEND:
- TC-1 MONITORING WELL LOCATION
  - ⊗ CT-1-2.5 SOIL SAMPLE LOCATION
  - B-1 SOIL BORING LOCATION
  - ⊗ GP-1 SOIL BORING/ GRAB GROUNDWATER SAMPLE LOCATION

FIGURE 2  
SITE MAP

FORMER CHEVRON SERVICE STATION NO. 21-0208  
6006 INTERNATIONAL BOULEVARD  
OAKLAND, CALIFORNIA

PROJECT NO. DG20-208	DRAWN BY M.L. 4/5/02
FILE NO. DG21208B	PREPARED BY MAB
REVISION NO. 1	REVIEWED BY

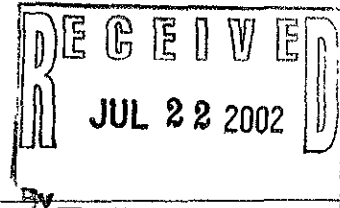


**ENCLOSURE A**

Alameda County Health Department  
Closure Letter Dated July 11, 2002

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

RO0002437

July 11, 2002

Ms. Karen Streich  
Chevron Products  
P.O. Box 6004  
San Ramon, CA 94583

Mr. James Coles  
Stanley Ave Affordable Housing  
2131 University Ave #224  
Berkeley, CA 94707

**Re: Fuel Leak Site Case Closure for 6006 International Blvd, Oakland, CA**

Dear Ms. Streich and Mr. Coles:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to 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 the subject site. The subject fuel leak case is closed.

**SITE INVESTIGATION AND CLEANUP SUMMARY**

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

- up to 1,300ppm TPH as gasoline, 310ppm TPHd, and 0.19ppm as benzene exists in soil beneath the site at 9.5 feet bgs;
- up to 1,800ppb TPHg, 1,900ppb TPHd, and 4.1ppb benzene exists in groundwater beneath the site; and,
- a risk management plan for the site was prepared in the event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.

If you have any questions, please contact Ms. eva chu at (510) 567-6762.

  
Donna Drogos, P.E.  
Supervisor

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

c: Mark Gomez, City of Oakland, Public Works, 250 Frank H Ogawa Plaza, Suite 5301  
Oakland, CA 94612  
Leroy Griffin, Oakland Fire Department  
Chuck Headlee, RWQCB  
Allan Patton, UST Cleanup Fund  
Donna Drogos  
files (chevron21-0208-5)

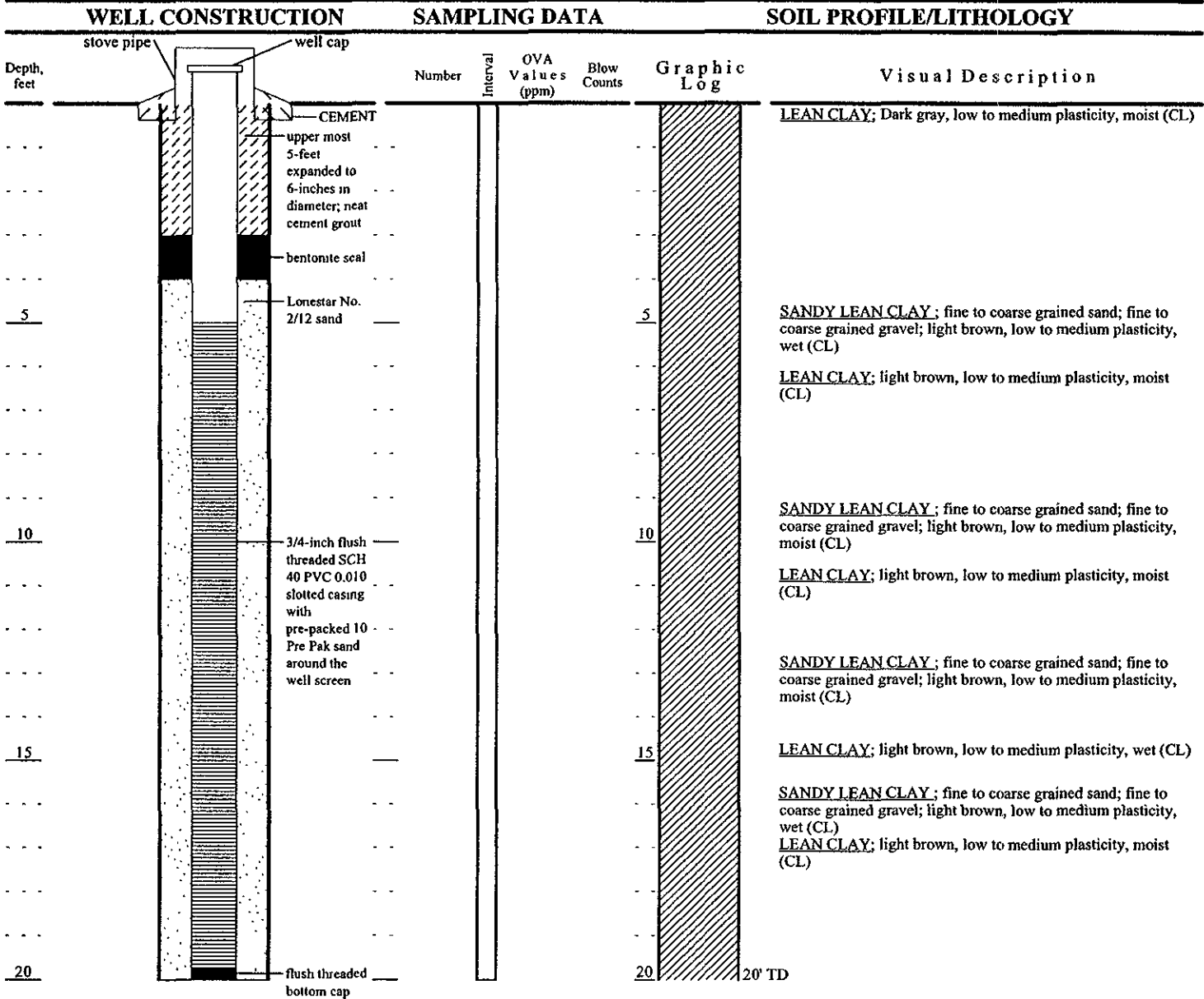
**ENCLOSURE B**

Boring Logs/Well Construction Details for Monitoring Wells TC-1 through TC-3



**Delta**  
Environmental  
Consultants, Inc.

Street Address <b>6006 International Boulevard</b>	Project ID <b>Chevron Station No. 21-0208</b>	
City & State <b>Oakland, California</b>	Surface Elev. <b>18.60'</b>	Well / Boring ID <b>TC-1</b>
Delta Project # <b>DG20-208</b>	Casing Elev. <b>22.26'</b>	Total Depth <b>20'</b>



Dates and Times	Logger <b>Brett A. Bardsley</b>	Sampling Method & Diameter <b>Continuous Core</b>	Permitting Agency <b>Alameda County Public Works Agency</b>
Start <b>2/23/02 0915</b>	Drilling Company & Driller <b>Vironex, Mike Martia</b>	Bore Hole Diameter <b>3.25-inches</b>	Permit # <b>W02-0210</b>
Total Depth <b>2/23/02 0940</b>	Drillers C-57# <b>705927</b>	Diameter, Type & Slot Size of Casing <b>3/4-inch SCH 40 PVC/0.010 slot</b>	
Completion or backfill <b>2/23/02 1000</b>	Drilling Equipment and method <b>Geoprobe Model 6600 DT, direct push</b>		

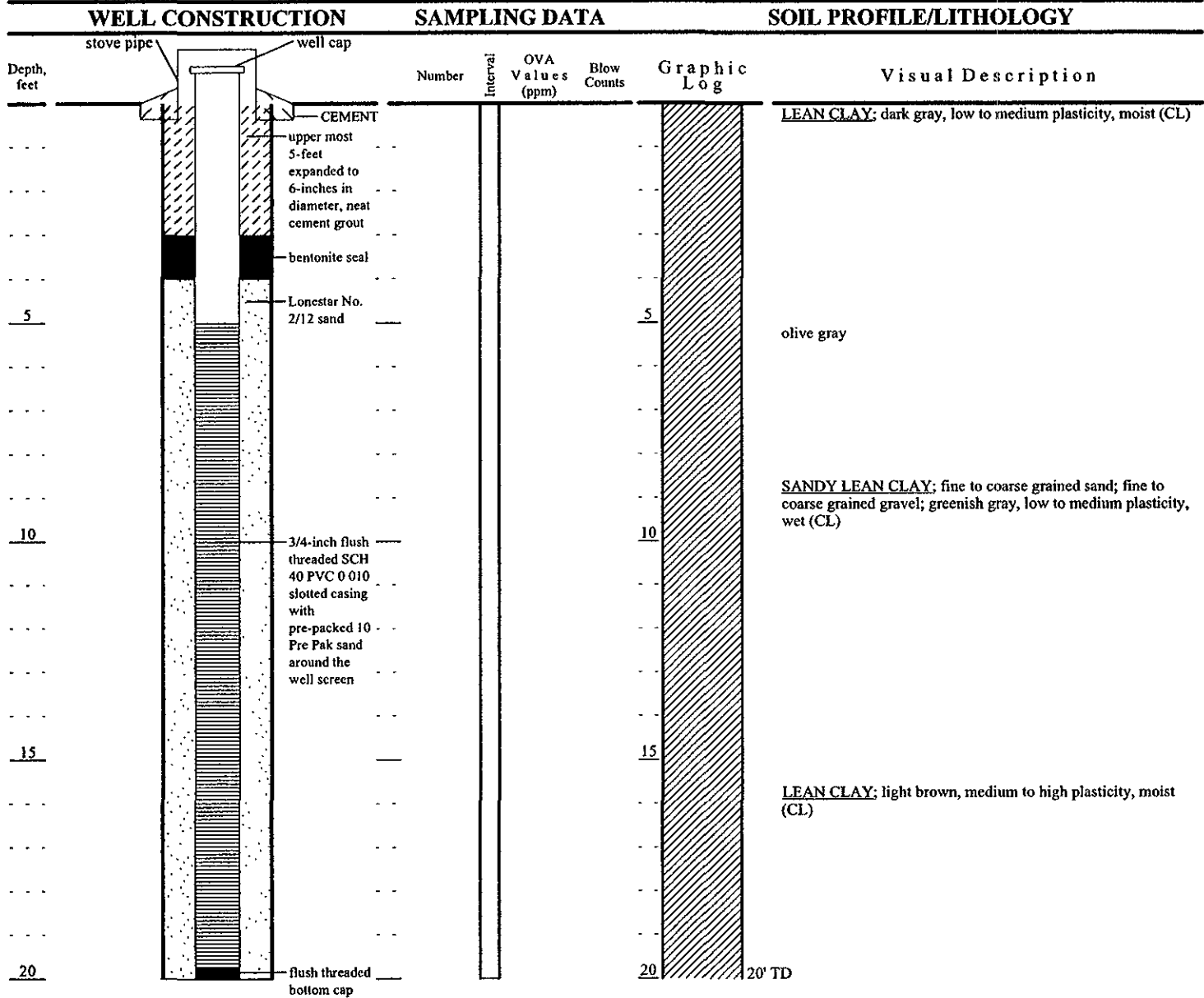




**Delta**  
Environmental  
Consultants, Inc.

Street Address  
**6006 International Boulevard**  
City & State  
**Oakland, California**  
Delta Project #  
**DG20-208**

Project ID  
**Chevron Station No. 21-0208**  
Surface Elev.  
**18.40'**  
Well / Boring ID  
**TC-2**  
Casing Elev.  
**21.77'**  
Total Depth  
**20'**

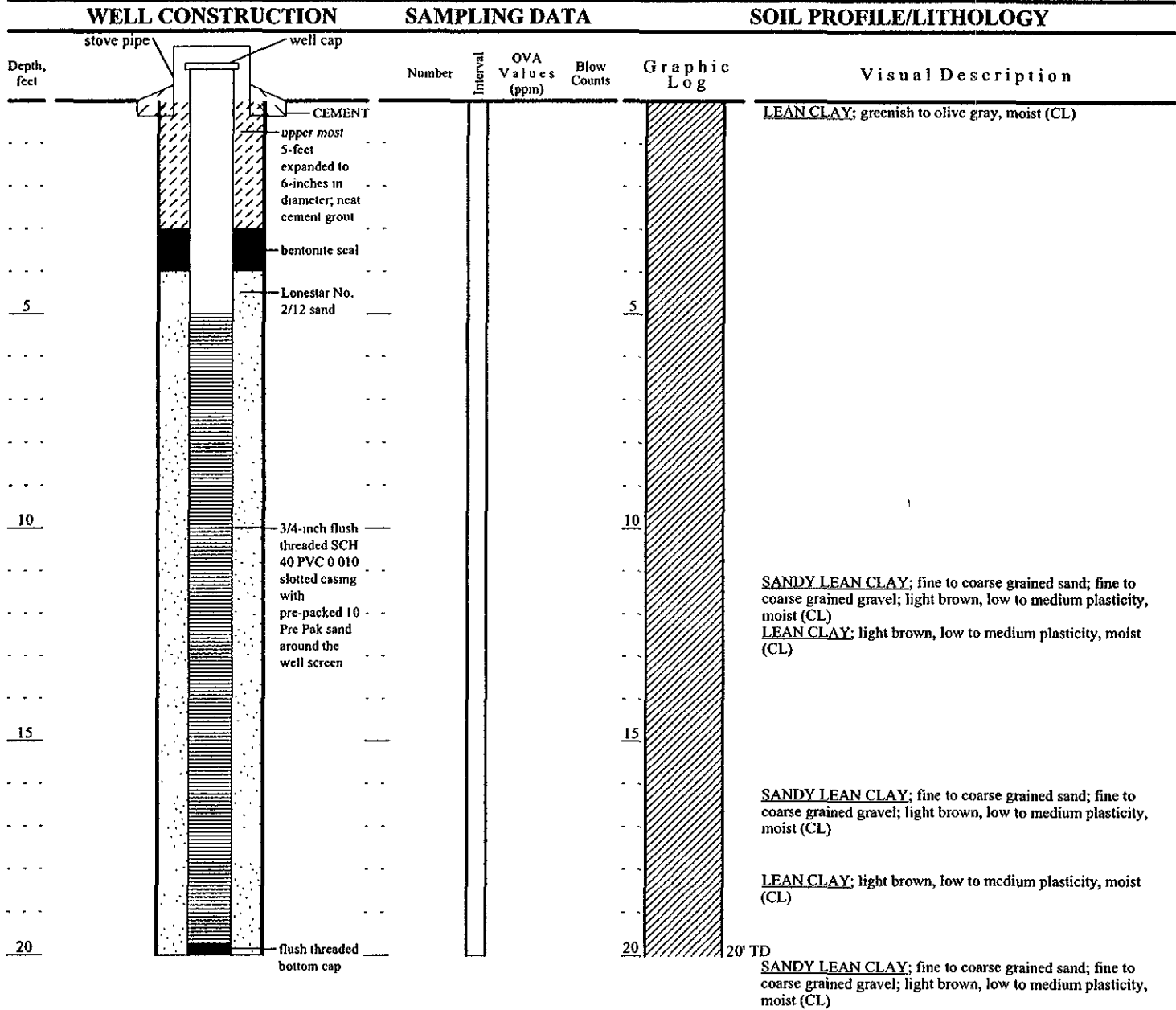


Dates and Times	Logger	Sampling Method & Diameter	Permitting Agency
Start 2/23/02 0815	Brett A. Bardsley	Continuous Core	Alameda County Public Works Agency
Total Depth 2/23/02 0850	Drilling Company & Driller Vironex, Mike Martin	Bore Hole Diameter 3.25-inches	Permit # W02-0211
Completion or backfill 2/23/02 0915	Drillers C-57# 705927	Diameter, Type & Slot Size of Casing 3/4-inch SCH 40 PVC/0.010 slot	
	Drilling Equipment and method Geoprobe Model 6600 DT, direct push		



**Delta**  
Environmental  
Consultants, Inc.

Street Address <b>6006 International Boulevard</b>	Project ID <b>Chevron Station No. 21-0208</b>	
City & State <b>Oakland, California</b>	Surface Elev. <b>19.30'</b>	Well / Boring ID <b>TC-3</b>
Delta Project # <b>DG20-208</b>	Casing Elev. <b>21.74'</b>	Total Depth <b>20'</b>



Dates and Times	Logger <b>Brett A. Bardsley</b>	Sampling Method & Diameter <b>Continuous Core</b>	Permitting Agency <b>Alameda County Public Works Agency</b>
Start <b>2/23/02 1000</b>	Drilling Company & Driller <b>Vironex, Mike Martin</b>	Bore Hole Diameter <b>3.25-inches</b>	Permit # <b>W02-0212</b>
Total Depth <b>2/23/02 1025</b>	Drillers C-57# <b>705927</b>	Diameter, Type & Slot Size of Casing <b>3/4-inch SCH 40 PVC/0.010 slot</b>	
Completion or backfill <b>2/23/02 1100</b>	Drilling Equipment and method <b>Geoprobe Model 6600 DT, direct push</b>		