ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

December 5, 2011

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Richard Hudson
Hudson Investment Properties LLC
1809 Spumante Place
Pleasanton, CA 94566

Subject: Case Closure for Fuel Leak Case No. RO0000213 and GeoTracker Global ID T0600102083, Shell#13-5243, 11989 Dublin Boulevard, Dublin, CA 94568

Dear Responsible Parties:

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 Health (ACEH) 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. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.swrcb.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Total Petroleum Hydrocarbons as gasoline remain in soil at concentrations up to 460 ppm.
- Total Petroleum Hydrocarbons as gasoline remain in groundwater at concentrations up to 2,100 ppb.
- As described in section IV of the attached Case Closure Summary, the case was closed with Site Management Requirements that limit future land use to commercial land use only

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Division Chief

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

cc:

Colleen Winey (QIC 8021) (w/enc)
Zone 7 Water Agency
100 North Canyons Pkwy
Livermore, CA 94551
(*Sent via E-mail to: cwiney@zone7water.com*)

Peter Schaefer (w/enc)
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
(*Sent via E-mail to: pschaefer@craworld.com*)

Closure Unit (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120
(*uploaded to GeoTracker*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker (w/enc)
File (w/orig enc)

ALAMEDA COUNTY
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1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

December 5, 2011

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Richard Hudson
Hudson Investment Properties LLC
1809 Spumante Place
Pleasanton, CA 94566

Subject: Case Closure for Fuel Leak Case No. RO0000213 and GeoTracker Global ID T0600102083, Shell#13-5243, 11989 Dublin Boulevard, Dublin, CA 94568

Dear Responsible Parties:

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 tank(s) 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, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director
Alameda County Environmental Health

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: July 21, 2011

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Shell #13-5243		
Site Facility Address: 11989 Dublin Boulevard, Dublin, California 94568		
RB Case No.: 01-2267	StID No.: 4109	LOP Case No.: RO0000213
URF Filing Dates: 07/03/1997 and 11/11/2004	GeoTracker ID: T0600102083	APN: 941-1550-1-12

Responsible Parties	Addresses	Phone Numbers
Denis Brown Shell Oil Products US	20945 S. Wilmington Avenue, Carson, CA 90810	(707) 865-0251
Hudson Investment Properties	772 Avio Court, Pleasanton, CA 94566-6396	No phone number

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1 – 3	10,000	Gasoline	Removed	8/18/2005
4	10,000	Diesel	Removed	8/18/2005
Dispensers and Piping			Upgraded	8/18/2005

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No visible holes, cracks, or other signs of failure were observed when the USTs were removed on August 18, 2005.	
Site characterization complete? Yes	Date Approved By Oversight Agency: -----

Monitoring wells installed? Yes	Number: 7	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 5.50 feet	Lowest Depth: 32.80 feet	Flow Direction: East northeast
Most Sensitive Current Use: Drinking water source.		

Summary of Production Wells in Vicinity:

One irrigation well and six domestic wells are within one-half mile of the site. The closest water supply well is a domestic well approximately 800 feet west of the site. Based on the upgradient location and distance from the site, the domestic well is not expected to be a receptor for the site. A second domestic well is located approximately 950 feet north northwest of the site. Based on the cross gradient location and distance from the site, the second domestic well is not expected to be a receptor for the site. No active water supply wells were identified downgradient from the site. The remaining wells identified within one-half mile of the site are located more than 950 feet from the site and are not downgradient from the site. Based on the distance and cross or upgradient locations, the remaining wells are not expected to be receptors for the site.

Are drinking water wells affected? No	Aquifer Name: Dublin Subbasin
Is surface water affected? No	Nearest SW Name: Dublin Creek is approximately 600 feet south of the site
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Four 10,000-gallon USTs	The USTs were transported to the Republic Waste Landfill in Livermore, CA for disposal	8/18/2005
Piping	Not Reported	Not Reported	8/18/2005
Free Product	---	---	---
Soil	1,000 cubic yards	The soil was transported to the Forward Landfill in Stockton, CA for disposal	9/26/2005
Groundwater	---	---	---

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 2 – 4 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Groundwater (ppb)	
	Before	After	Before	After
TPH (Gas)	4,800	460	140,000(1)	2,100(1)
TPH (Diesel)	12,000	600	54,000(2)	130(2)
Oil & Grease	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Benzene	2.8	2.8	184(3)	0.52(2)
Toluene	3.3	1.0	210(4)	<1.0(4)
Ethylbenzene	9.3	1.4	238(5)	<1.0(5)
Xylenes	45	0.69	18.8(6)	<1.0(6)
Lead	10(7)	10(7)	Not Analyzed	Not Analyzed
MTBE	8.9(8)	1.76(9)	28,000(10)	430(11)
Other (8240/8270)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed

(1) The maximum concentration before cleanup is from a grab groundwater sample collected on 08/05/1998; the maximum concentration after cleanup is from a groundwater sample collected from well MW-2 during the most recent groundwater monitoring event on 07/06/2010.
(2) The maximum concentration before cleanup is from a grab groundwater sample collected on 08/05/1998; the maximum concentration after cleanup is from a grab groundwater sample collected on 11/04/2005.
(3) The maximum concentration before cleanup is from a groundwater sample collected from well MW-2 on 04/03/2000; the maximum concentration after cleanup is from a groundwater sample collected from well MW-3 during the most recent groundwater monitoring event on 07/06/2010.
(4) The maximum concentration before cleanup is from a grab groundwater sample collected on 08/05/1998; not detected above the reporting limit during the most recent groundwater monitoring event on 07/06/2010.
(5) The maximum concentration before cleanup is from a groundwater sample collected from well MW-2 on 04/03/2000 not detected above the reporting limit during the most recent groundwater monitoring event on 07/06/2010.
(6) The maximum concentration before cleanup is from a groundwater sample collected from well MW-2 on 04/03/2000 not detected above the reporting limit during the most recent groundwater monitoring event on 07/06/2010.
(7) Total lead = 10 ppm; no other metals analyzed.
(8) MTBE = 8.9 ppm; TBA = 21 ppm; TAME, ETBE, DIPE, EDB, and EDC not detected at various reporting limits; Ethanol = 0.53 ppm.
(9) MTBE = 1.76 ppm; TBA = 6.0 ppm; TAME, ETBE, DIPE, EDB, EDC, and ethanol not detected at various reporting limits.
(10) MTBE = 28,000 ppb; TBA = 16,000 ppb; DIPE, TAME, ETBE, and ethanol not detected at various reporting limits; EDB and EDC not analyzed.
(11) MTBE, TBA, TAME, ETBE, DIPE, and ethanol not detected at various reporting limits during the most recent groundwater monitoring event on 07/06/2010; EDB and EDC not analyzed.

Site History and Description of Corrective Actions:

The site is an active service station located at the corner of Dublin Boulevard and San Ramon Road in Dublin, California. Surrounding land use is commercial.

During a piping and dispenser upgrade in June 1997, soil samples collected beneath the dispensers and product line trenches contained up to 12,000 ppm of total petroleum hydrocarbons as diesel (TPHd), 690 ppm of total petroleum hydrocarbons as gasoline (TPHg), and 8.9 ppm of MTBE. Four soil borings (SB-1 through SB-4) were advanced in November 1997 to define the extent of contamination. A grab groundwater sample collected from SB-2 contained 4,900 ppb of TPHd, 470 ppb of TPHg, and 370 ppb of MTBE.

In August 1998, two soil borings were advanced in the area of the USTs. Soil samples from the two borings contained up to 300 ppm of TPHd, 11 ppb of TPHg, and 0.11 ppm of MTBE. Grab groundwater samples contained up to 54,000 ppb of TPHd, 140,000 ppb of TPHg, and 14,000 ppb of MTBE.

Three groundwater monitoring wells (MW-1 through MW-3) were installed on-site in June 1999. An additional downgradient monitoring well (MW-4) was installed on a property across San Ramon Road and east from the site in July 2001.

In April 2003, three off-site soil borings (SB-1 through SB-3) were advanced east of the site on a property across San Ramon Road.

After a UST failed a tank tightness test in October 2004, the UST was repaired and returned to service. An Unauthorized Release Report was filed on November 11, 2004. In July 2005, five soil borings (B-1 through B-5) were advanced in the area of the USTs.

Four USTs, piping, and dispensers were replaced in August 2005. Soil samples from the UST excavation contained up to 700 ppm of TPHd, 4,600 ppm of TPHg, 0.013 ppm of MTBE, and 21 ppm of TBA. Based on the soil sampling results from the UST excavation, approximately 1,000 cubic yards of soil was overexcavated and an additional 15 soil samples were collected following the excavation. Soil samples collected following overexcavation contained up to 240 ppm of TPHd, 420 ppm of TPHg, 0.59 ppm of MTBE, and 6.0 ppm of TBA.

In November and December 2005, Delta Environmental installed one downgradient monitoring well (MW-5) on the property east of the site across San Ramon Road, advanced one direct-push soil boring (GP-3) on the property south of the site, and advanced two on-site cone penetrometer test (CPT) borings (CPT-1 and CPT-4). Four off-site CPT borings (CPT-2, CPT-3, CPT-5, and CPT-6) were advanced on the property east of the site to assess deeper groundwater conditions. Grab groundwater samples from the on-site CPT borings contained up to 100 ppb of TPHd, 68 ppb of TPHg, 55 ppb of MTBE, and 330 ppb of TBA. BTEX were not detected in grab groundwater samples from the on-site CPT borings. TPHg, BTEX, MTBE, and TBA were not detected in grab groundwater samples from the off-site CPT borings.

In June and July 2006, two groundwater monitoring wells (MW-6 and MW-7) were installed on the property east of the site across San Ramon Road to monitor shallow and deeper groundwater conditions. Groundwater monitoring was conducted at the site from July 1999 to July 2010.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature: Jerry Wickham	Date: 10/25/11
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature:	Date: 10/25/11

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: 10/25/11	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 10/27/11	Date of Well Decommissioning Report: 11/30/11	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 7	Number Retained: 0
Reason Wells Retained: --- NA		
Additional requirements for submittal of groundwater data from retained wells: --- None		
ACEH Concurrence - Signature: Jerry Wickham		Date: 12/01/11

Attachments:

1. Vicinity Map and Aerial Photo (2 pp)
2. Site Plan and Groundwater Elevation Map (2 pp)
3. Hydrocarbon Distribution Map, Sampling Location Maps, and Cross Section (5 pp)
4. Soil Analytical Data (8 pp)
5. Groundwater Analytical Data (11 pp)
6. Boring Logs (37 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

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? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: Case closure for this fuel leak site is granted for the current commercial land use only. If a change in land use to any residential or other conservative land use scenario occurs at this site, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: ---
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 7
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: ---		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

No soil vapor sampling was conducted for the site. Soil vapor sampling does not appear to be warranted because benzene has generally not been detected in recent soil or groundwater samples, significant excavation was performed in the source area in 2005, and the average depth to groundwater is greater than 20 feet bgs.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment under the current commercial land use based upon the information available in our files to date. No further investigation or cleanup for the fuel leak case is necessary unless a change in land use to any residential or other conservative land use scenario occurs at the site. ACEH staff recommend closure for this site.

Wickham, Jerry, Env. Health

From: Cherie MCcaulou [CMccaulou@waterboards.ca.gov]
Sent: Thursday, October 27, 2011 1:52 PM
To: Wickham, Jerry, Env. Health
Subject: Re: Pending closure for 11989 Dublin Boulevard, Dublin

Jerry - The Regional Water Board has no objection to the ACEH's recommendation for case closure for 11989 Dublin Blvd. in Dublin. Thank you for the notification. Have a good day.

Sincerely,

Cherie McCaulou
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
cmccaulou@waterboards.ca.gov
510-622-2342

>>> "Wickham, Jerry, Env. Health" <jerry.wickham@acgov.org> 10/25/2011 4:16 PM >>>
Hi Cherie,

This email provides notification of pending closure for ACEH case RO0213, 119889 Dublin Boulevard, Dublin.

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
phone: 510-567-6791
jerry.wickham@acgov.org

01/03/2011

I:\Shell\Vi..chars\0606...\060682-Alameda 2015 Grand St\060682-FIGURES\060682 VICINITY (F1).AI

0 1/8 1/4 1/2 1

SCALE (MILES)

Shell-branded Service Station
11989 Dublin Boulevard
Dublin, California

Vicinity Map

CONESTOGA-ROVERS & ASSOCIATES

ATTACHMENT 1


Dublin
11989 Dublin Blvd, Dublin, CA 94568
© 2011 Europa Technologies
© 2011 Google
Google

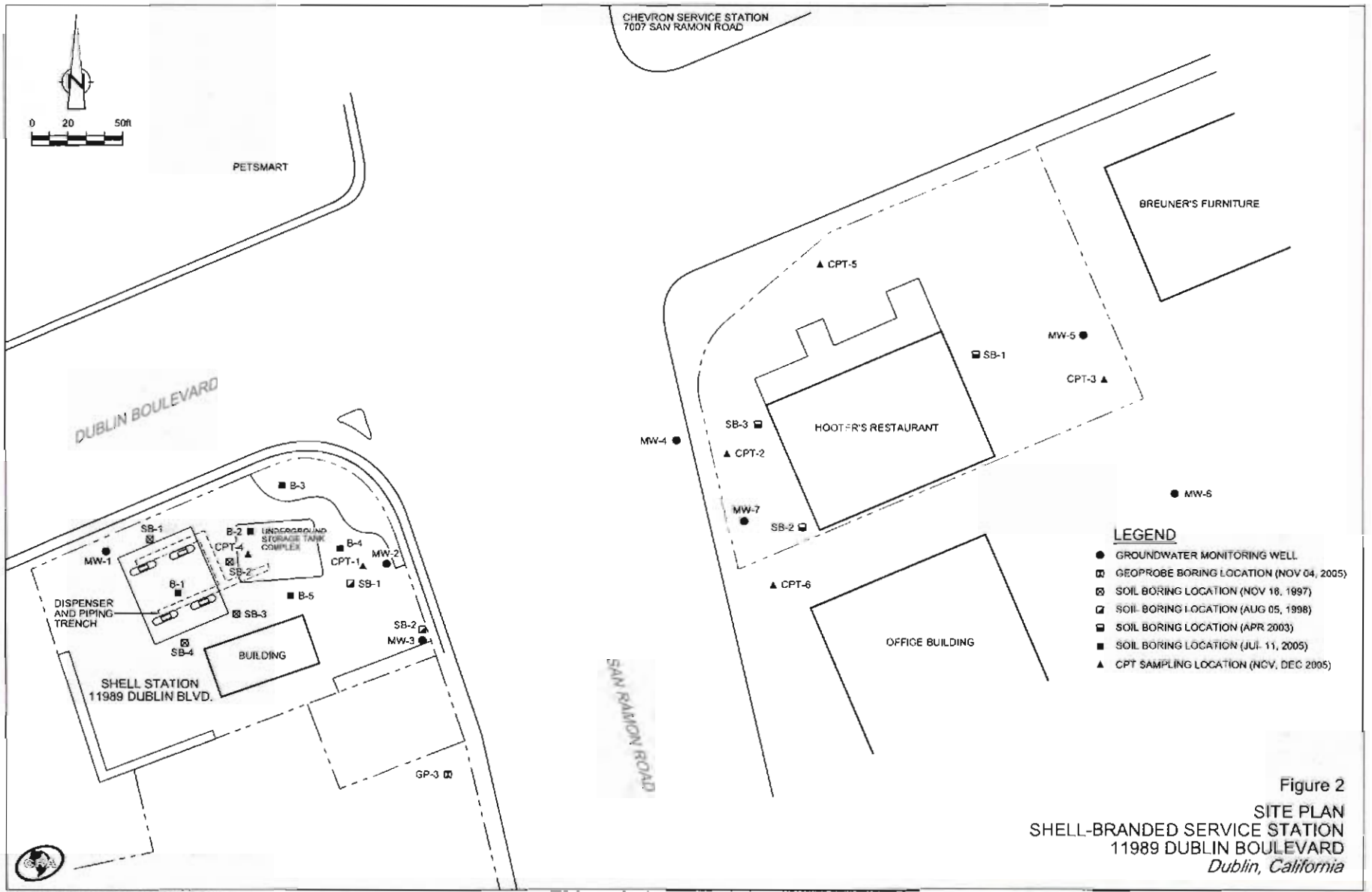
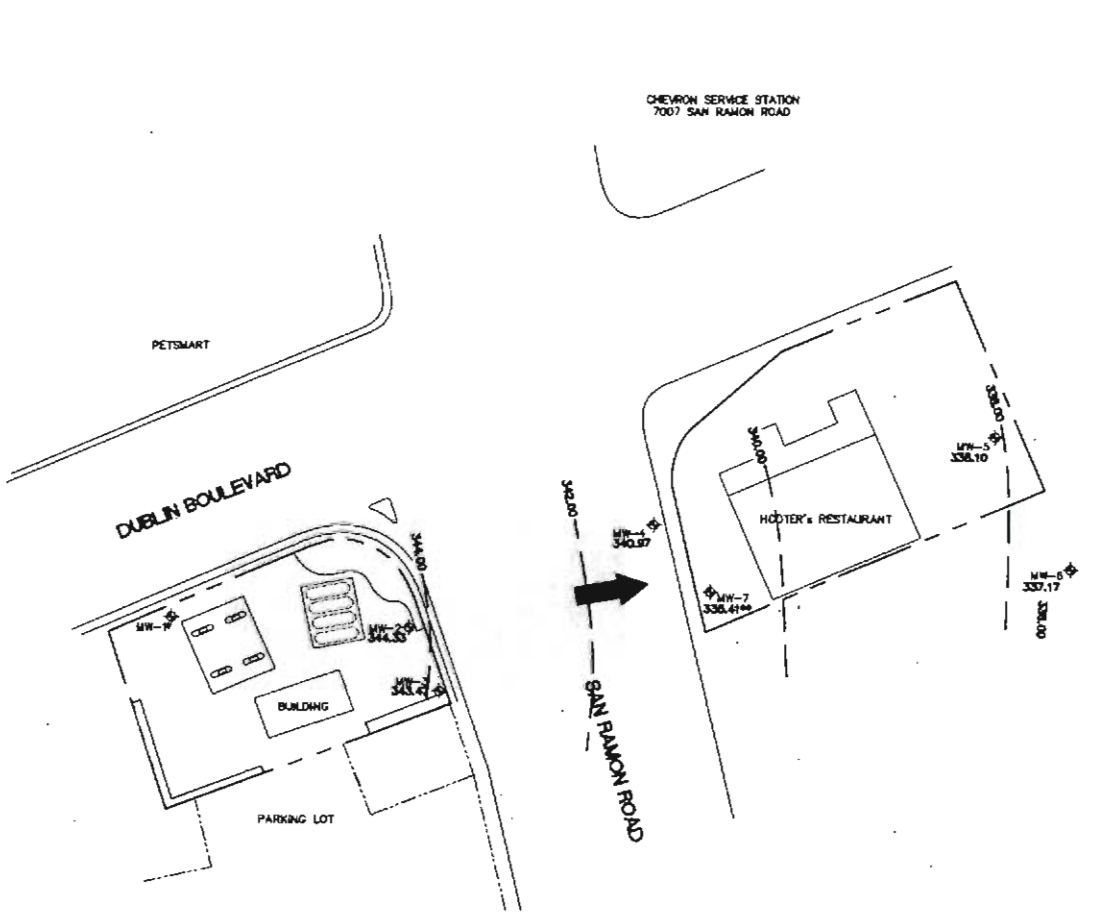


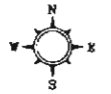
Figure 2

SITE PLAN
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD
Dublin, California

240548-(001)GN EM002.DWG FEB 19, 2011

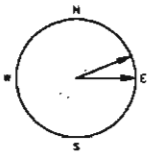
ATTACHMENT 2





LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
344.71	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
340.00	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=2.00 FEET
	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
*	REMOVED FROM SAMPLING PROGRAM
**	DEEP WELL – NOT USED FOR CONTOURING



HISTORIC GROUNDWATER FLOW DIRECTIONS

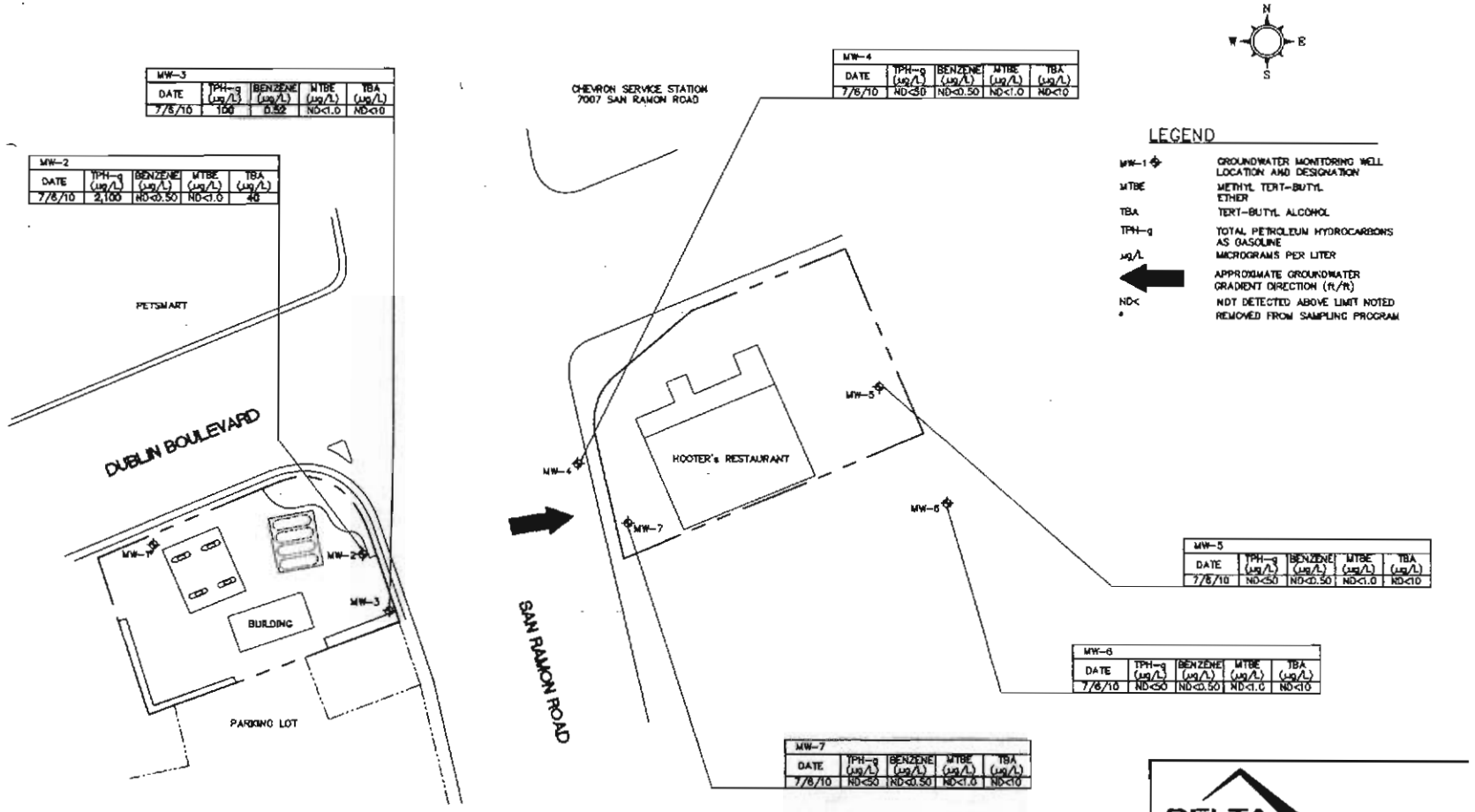
DATE	FLOW
10/27/2006	E
1/19/2007	E, ENE
4/3/2007	E, ENE
7/6/2007	E, ENE
10/30/2007	E, ENE
1/10/2008	E
4/24/2008	E
7/31/2008	ENE
10/13/2008	ENE
1/5/2009	ENE
7/7/2009	ENE
1/8/2010	ENE
7/6/2010	ENE

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
DUBLIN, CALIFORNIA

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP
7/6/2010
11989 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA



DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
DUBLIN, CALIFORNIA

FIGURE 3
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
7/8/2010
11989 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

ATTACHMENT 3

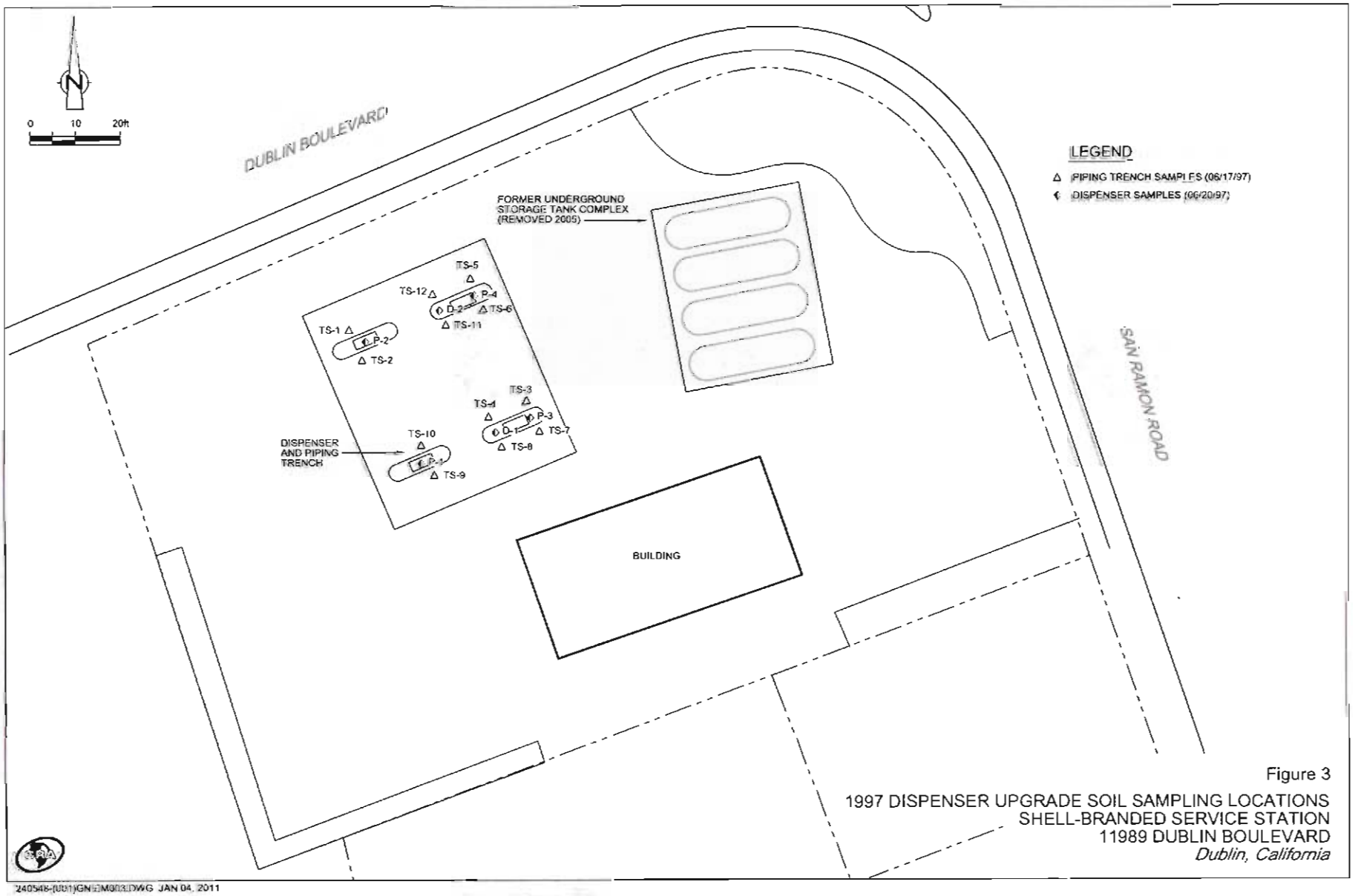


Figure 3

1997 DISPENSER UPGRADE SOIL SAMPLING LOCATIONS
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD
Dublin, California

240548-(001)GN-EM003.DWG JAN 04, 2011

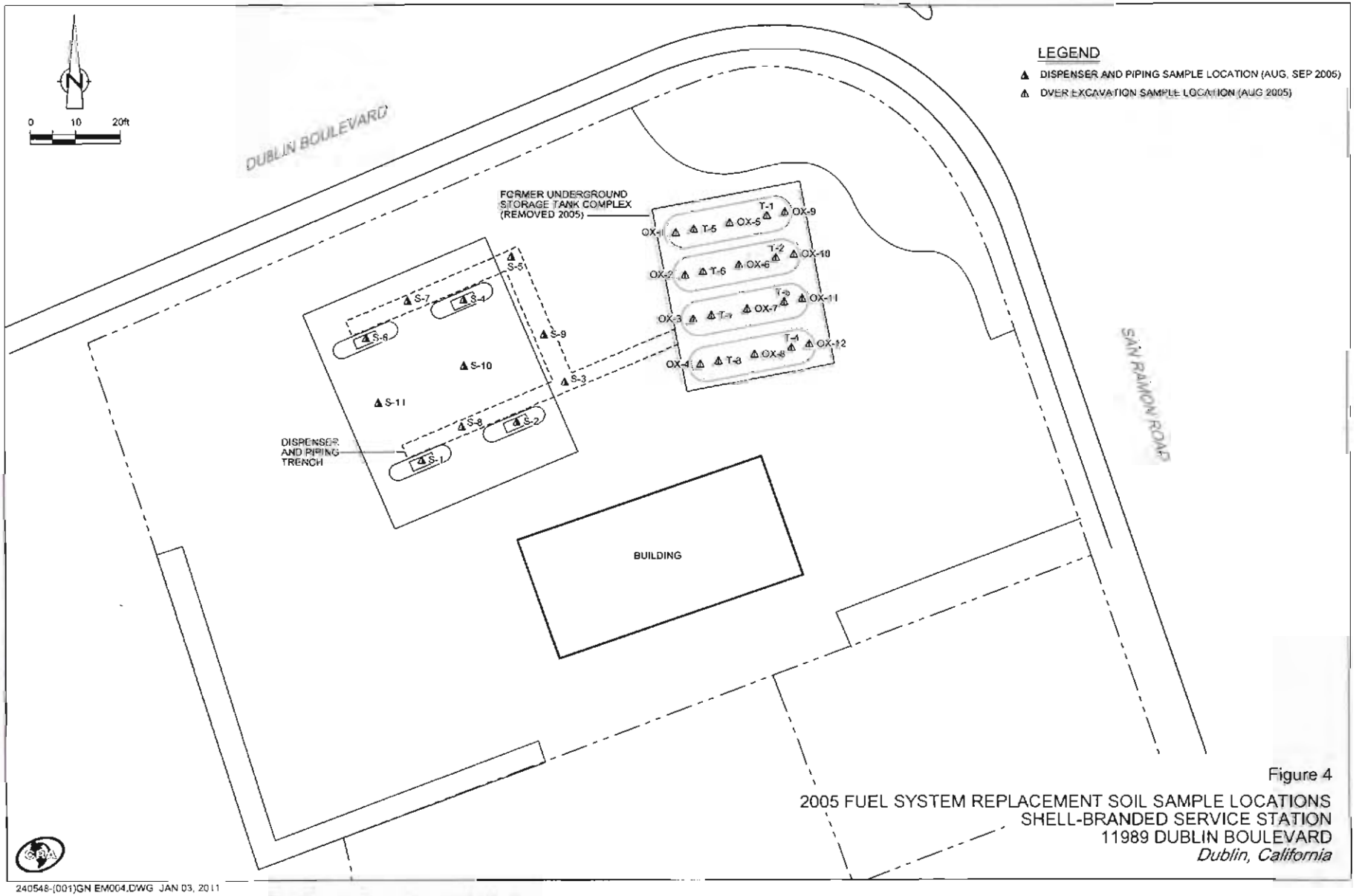


Figure 4

2005 FUEL SYSTEM REPLACEMENT SOIL SAMPLE LOCATIONS
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD
Dublin, California

240548-(001)GN EM004.DWG JAN 03, 2011

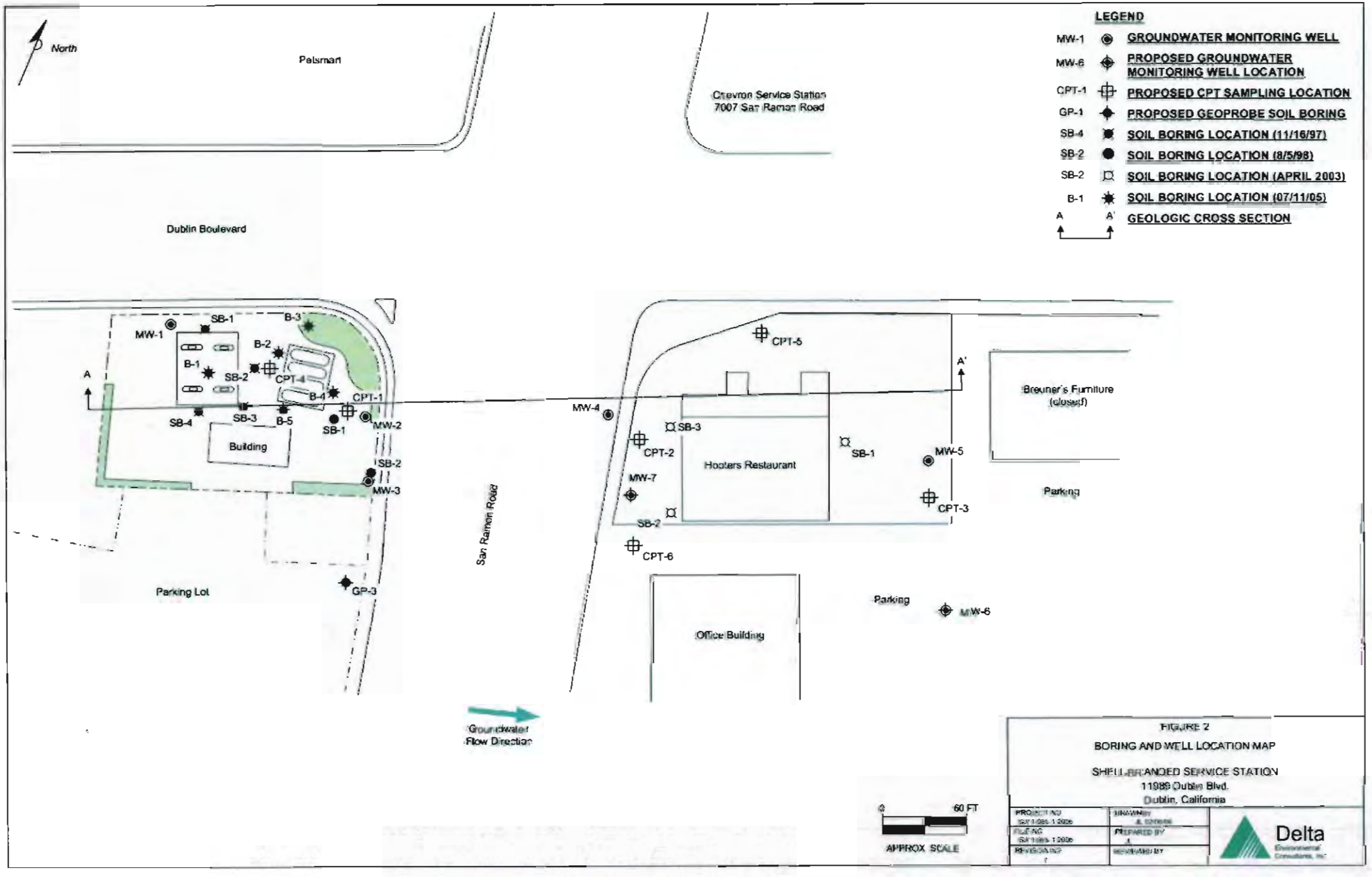


FIGURE 2

BORING AND WELL LOCATION MAP

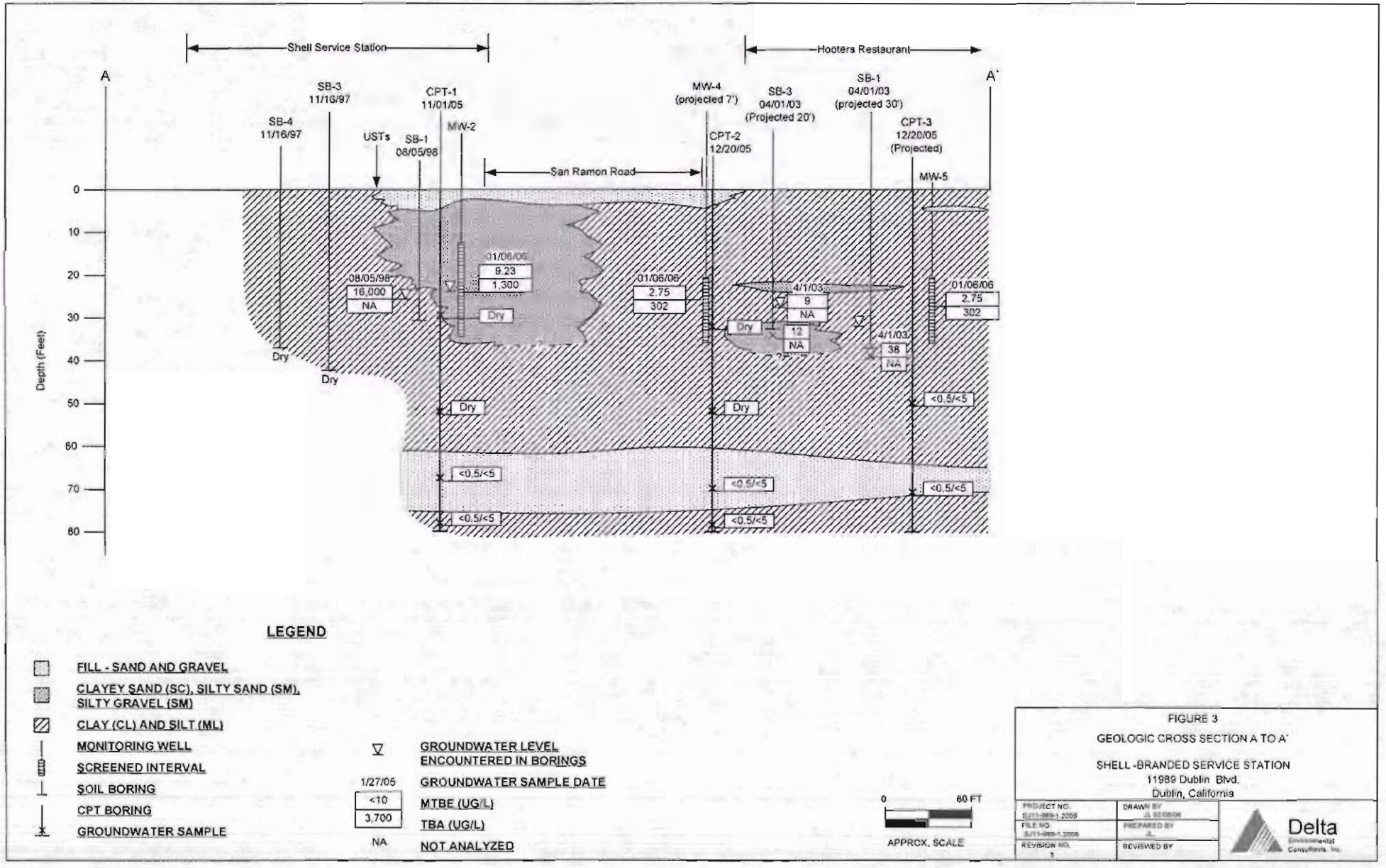
SHELL-BRANDED SERVICE STATION

11989 Dublin Blvd.

Dublin, California

PROJECT NO	DRAWN BY
FILE NO	PREPARED BY
REVISION	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

- FILL - SAND AND GRAVEL
- CLAYEY SAND (SC), SILTY SAND (SM), SILTY GRAVEL (SM)
- CLAY (CL) AND SILT (ML)
- MONITORING WELL
- SCREENED INTERVAL
- SOIL BORING
- CPT BORING
- GROUNDWATER SAMPLE

▽ GROUNDWATER LEVEL ENCOUNTERED IN BORINGS

1/27/05 GROUNDWATER SAMPLE DATE

<10 / 3,700 MTBE (UG/L) / TBA (UG/L)

NA NOT ANALYZED

0 60 FT

APPROX. SCALE

FIGURE 3

GEOLOGIC CROSS SECTION A TO A'

SHELL -BRANDED SERVICE STATION
11989 Dublin Blvd.
Dublin, California

PROJECT NO. SJ11-969-1.2005	DRAWN BY JL 02/08/06
FILE NO. SJ11-969-1.2005	PREPARED BY JL
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Total Lead*
P-1	6/17/1997	5	**97**	24	<0.025	0.27	0.098	**2.5**	**6.3**	---	---	---	---	---	---	---	---
P-2	6/17/1997	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
P-3	6/17/1997	5	1.4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
P-4	6/17/1997	5	**160**	2	<0.0050	<0.0050	<0.0050	0.015	**0.027**	---	---	---	---	---	---	---	---
D-1	6/17/1997	5	9.9	<1.0	<0.0050	0.014	0.0062	0.068	**0.060**	---	---	---	---	---	---	---	---
D-2	6/17/1997	5	20	**86**	**0.55**	**3.3**	0.99	**7.8**	**8.9**	---	---	---	---	---	---	---	---
TS-1	6/20/1997	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-2	6/20/1997	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-3	6/20/1997	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-4	6/20/1997	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-5	6/20/1997	5	4.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-6	6/20/1997	5	1.7	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-7	6/20/1997	5	**12,000**	**690**	<0.25	<0.25	<0.25	2.2	<1.2	---	---	---	---	---	---	---	---
TS-8	6/20/1997	5	1.3	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-9	6/20/1997	5	2.2	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
TS-10	6/20/1997	5	2.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---

ATTACHMENT 4

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Total Lead
TS-11	6/20/1997	5	11	<1.0	<0.0050	<0.0050	<0.0050	0.0051	<0.025	---	---	---	---	---	---	---	---
TS-12	6/20/1997	5	3.7	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-1, 10'	11/19/1997	10	1.3	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-1, 20'	11/19/1997	20	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.025	---	---	---	---	---	---	---	---
SB-1, 35'	11/19/1997	35	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-2, 10'	11/19/1997	10	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-2, 20'	11/19/1997	20	19	1.8	<0.0050	<0.0050	<0.0050	<0.0050	0.11	---	---	---	---	---	---	---	---
SB-3, 10'	11/19/1997	10	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-3, 25'	11/19/1997	25	300	11	0.0051	0.18	<0.0050	0.013	0.069	---	---	---	---	---	---	---	---
SB-3, 35'	11/19/1997	35	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-4, 10'	11/19/1997	10	1.8	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.031	---	---	---	---	---	---	---	---
SB-4, 25'	11/19/1997	25	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-1 (5')	8/5/1998	5	13	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-1 (10')	8/5/1998	10	2.4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-1 (15')	8/5/1998	15	1.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.074	---	---	---	---	---	---	---	---
SB-1 (20')	8/5/1998	20	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.90	---	---	---	---	---	---	---	---
SB-1 (25')	8/5/1998	25	120	46	<0.025	1.0	<0.025	0.052	1.4	---	---	---	---	---	---	---	---
SB-1 (30')	8/5/1998	30	2.3	26	<0.025	0.35	0.037	0.093	1.1	---	---	---	---	---	---	---	---
SB-2 (5')	8/5/1998	5	3.2	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-2 (10')	8/5/1998	10	1.3	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-2 (15')	8/5/1998	15	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Total Lead
SB-2 (20')	8/5/1998	20	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SB-2 (25')	8/5/1998	25	13	**91**	**1.0**	0.26	<0.025	0.22	**0.43**	---	---	---	---	---	---	---	---
SB-2 (30')	8/5/1998	30	42	**250**	**2.8**	0.72	<0.10	0.69	<0.50	---	---	---	---	---	---	---	---
MW-1 (5.0)	6/9/1999	5	<5.0	<0.40	<0.0020	<0.0020	<0.0040	<0.010	<0.0020	---	---	---	---	---	---	---	---
MW-1 (10.0)	6/9/1999	10	<5.0	<0.40	<0.0020	<0.0020	<0.0040	<0.010	<0.0020	---	---	---	---	---	---	---	---
MW-1 (15.0)	6/9/1999	15	<5.0	<0.40	<0.0020	<0.0020	<0.0040	<0.010	<0.0020	---	---	---	---	---	---	---	---
MW-1 (20.0)	6/9/1999	20	<5.0	<0.40	<0.0020	<0.0020	<0.0040	<0.010	<0.0020	---	---	---	---	---	---	---	---
MW-2-10.5	6/8/1999	10.5	<5.0	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	<0.020	---	---	---	---	---	---	---	---
MW-2-15.5	6/8/1999	15.5	<5.0	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	<0.020	---	---	---	---	---	---	---	---
MW-2-20.5	6/8/1999	20.5	<5.0	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	<0.020	---	---	---	---	---	---	---	---
MW-2-25.5	6/8/1999	25.5	**103**	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	**1.28/1.14**[a]	---	---	---	---	---	---	---	---
MW-2-30.5	6/8/1999	30.5	<5.0	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	**1.76/0.90**[a]	---	---	---	---	---	---	---	---
MW-3-10.5	6/8/1999	10.5	<5.0	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	<0.020	---	---	---	---	---	---	---	---
MW-3-15.5	6/8/1999	15.5	<5.0	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	<0.020	---	---	---	---	---	---	---	---
MW-3-20.5	6/8/1999	20.5	<5.0	<0.80	<0.0040	<0.0040	<0.0040	<0.0080	<0.020	---	---	---	---	---	---	---	---
MW-3-25.5	6/8/1999	25.5	35.2	4.1	<0.0040	<0.0040	<0.0040	<0.0080	**0.0597**	---	---	---	---	---	---	---	---
MW-3-30.5	6/8/1999	30.5	<5.0	1.39	<0.0040	<0.0040	<0.0040	<0.0080	**0.063/0.0622**[a]	---	---	---	---	---	---	---	---
MW-4-25.5	7/26/2001	25.5	—	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-1-5'	4/1/2003	5	—	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-1-10'	4/1/2003	10	—	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-1-15'	4/1/2003	15	—	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-1-20'	4/1/2003	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-1-25'	4/1/2003	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Total Lead
SB-1-30'	4/1/2003	30	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-1-35'	4/1/2003	35	---	7.0	<0.0050	<0.0050	<0.0050	<0.0050	0.0099	---	---	---	---	---	---	---	---
SB-2-5'	4/1/2003	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-2-10'	4/1/2003	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-2-15'	4/1/2003	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-2-20'	4/1/2003	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-2-25'	4/1/2003	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-2-30'	4/1/2003	30	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-2-35'	4/1/2003	35	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.250	---	---	---	---	---	---	---	---
										---	---	---	---	---	---	---	---
SB-3-5'	4/1/2003	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-3-10'	4/1/2003	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-3-15'	4/1/2003	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-3-20'	4/1/2003	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-3-25'	4/1/2003	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
SB-3-30'	4/1/2003	30	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---
B-1@5'	7/8/2005	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---	---	---	---
B-1@10'	7/11/2005	10	1.5[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.011	<0.0050	---	---	---	---	---	---	---
B-2@20'	7/11/2005	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.017	---	---	---	---	---	---	---	---
B-4@5'	7/8/2005	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	---	---	---	---	---
B-4@15'	7/11/2005	15	2.3[b]	<5.0	<0.0025	<0.0025	<0.0025	<0.0025	0.29	0.55	---	---	---	---	---	---	---
B-4@20'	7/11/2005	20	15[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.0052	2.5[c]	---	---	---	---	---	---	---
B-5@15'	7/11/2005	15	---	<4.8	<0.024	<0.024	<0.024	<0.024	0.47	---	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Total Lead
B-5@20'	7/11/2005	20	—	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.017	---	—	---	--	—	---	—	—
T-1@15'[g]	8/18/2005	15	<1.0	<5.0	<0.025	<0.025	<0.025	<0.025	<0.025	11[c]	<0.050	<0.025	<0.025	<0.025	<0.025	<0.50	6.5
T-2@15'	8/18/2005	15	<1.0	<5.0	<0.025	<0.025	<0.025	<0.025	<0.025	7.5	<0.050	<0.025	<0.025	<0.025	<0.025	<0.50	6.3
T-2@19'	8/18/2005	19	1.4[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.8	<1.0	<0.50	<0.50	<0.50	<0.50	<25	6.1
T-3@15'	8/18/2005	15	<1.0	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	<1.0	<0.50	<0.50	<0.50	<0.50	<25	4.3
T-3@17'	8/18/2005	17	21[d]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	6.6
T-4@15'	8/18/2005	15	<1.0	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.9	<1.0	<0.50	<0.50	<0.50	<0.50	<25	5.7
T-5@15'	8/18/2005	15	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.013	1.4	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	5.3
T-5@17'	8/18/2005	17	<1.0	<50	<0.50	<0.50	<0.50	0.68	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	5.7
T-6@15'	8/18/2005	15	7.2[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12	<1.0	<0.50	<0.50	<0.50	<0.50	<25	5.4
T-7@15'	8/18/2005	15	48[d]	2,400[e]	<2.5	<2.5	9.3	11	<2.5	21	<5.0	<2.5	<2.5	<2.5	<2.5	<130	6.4
T-8@15'	8/18/2005	15	700[d]	4,600[e]	<2.5	<2.5	8.8	45	<2.5	16	<5.0	<2.5	<2.5	<2.5	<2.5	<130	5.6
T-8@20'	8/18/2005	20	5.3[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	4.0
S-1@3'	8/18/2005	3	17[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	5.8
S-2@3'	8/18/2005	3	25[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	10
S-3@4'	8/18/2005	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	5.5

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Total Lead*
S-4@3.5'	8/18/2005	3.5	46[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	6.8
S-5@4.5'	8/18/2005	4.5	1.3[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	6.0
S-6@4'	8/18/2005	4	28[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	5.7
S-7@3'	8/18/2005	3	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	6.3
S-8@4'	8/18/2005	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	5.2
OX-1@22'	8/25/2005	22	41[b]	<4.7	<0.024	<0.024	<0.024	<0.024	<0.024	<0.047	<0.047	<0.024	<0.024	<0.024	<0.024	---	6.5
OX-2@22.5	8/25/2005	22.5	32[b]	2.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.018	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	7.7
OX-3@22'	8/25/2005	22	2.3[b]	2.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.031	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	7.1
OX-4@22'	8/25/2005	22	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.081**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	7.3
OX-5@20'	8/26/2005	20	<1.0	<6.0	<0.023	<0.023	<0.023	<0.023	<0.023	**0.10**	<0.047	<0.023	<0.023	<0.023	<0.023	---	6.5
OX-6@20'	8/26/2005	20	<1.0	<4.6	<0.023	<0.023	<0.023	<0.023	<0.023	**0.38**	<0.046	<0.023	<0.023	<0.023	<0.023	---	4.3
OX-7@20'	8/26/2005	20	6.9[d]	**420**	<0.50	<0.50	1.4	<0.50	0.59	**6.0**	<1.0	<0.50	<0.50	<0.50	<0.50	---	5.9
OX-8@20'	8/26/2005	20	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.012	**0.91**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	5.7
OX-9@20'	8/30/2005	20	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.17**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	6.4

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Total Lead*
OX-10@20'	8/30/2005	20	12[d]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	---	6.6
OX-11@20'	8/30/2005	20	600[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	---	4.8
OX-11@22'	8/30/2005	22	100[b]	190	<0.50	<0.50	1.0	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	---	5.7
OX-11@24.5'	8/30/2005	24.5	240[b]	340[e]	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	---	5.6
OX-12@20'	8/30/2005	20	79[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	<1.0	<0.50	<0.50	<0.50	<0.50	---	6.5
OX-12@22'	8/30/2005	22	51[b]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	---	6.3
S-9@4'	9/26/2005	4	4.4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	<0.0050	<0.10	5.9
S-10@42"	9/27/2005	3.5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	<0.0050	<0.10	6.4
S-11@39"	9/27/2005	3.25	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	<0.0050	<0.10	6.9
GP-3	11/4/2005	9	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
GP-3	11/4/2005	14	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
GP-3	11/4/2005	19	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
GP-3	11/4/2005	24	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
Shallow Soil (≤10 fbg) ESL[f]:			83	83	0.044	2.9	3.3	2.3	0.023	0.075	NA	NA	NA	0.0045	0.00033	NA	750
Deep Soil (>10 fbg) ESL[f]:			83	83	0.044	2.9	3.3	2.3	0.023	0.075	NA	NA	NA	0.0045	0.00033	NA	750

Notes:

All results in milligrams per kilogram (mg/kg) unless otherwise indicated.
fbg = Feet below grade
TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8015
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before July 26, 2001, analyzed by EPA Method 8015

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Total Lead

Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; before July 26, 2001, analyzed by EPA Method 8020
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B; before July 26, 2001, analyzed by EPA Method 8020 unless otherwise noted
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B
Total lead analyzed by EPA Method 6010B
<x = Not detected at reporting limit x
--- = Not analyzed
ESL = Environmental screening level
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL
Shading indicates that sample location subsequently over-excavated, results are not representative of residual soil.

a = Analyzed by EPA Method 8260B
b = Hydrocarbon reported does not match the pattern of the laboratory's Diesel standard.
c = Estimated value. The concentration exceeded the calibration of analysis.
d = Hydrocarbon reported is in the early Diesel range, and does not match the pattern of the laboratory's Diesel standard.
e = Quantity of unknown hydrocarbon(s) in sample based on gasoline
f = San Francisco Bay Regional Water Quality Control Board commercial/industrial ESL for soil where groundwater is a source of drinking water (Tables A and C of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).

TABLE 2

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*
SB-2	11/19/1997	22	**4,900**	**470**	**17**	2.4	<1.0	1.1	**370**	---	---	---	---
SB-1	8/5/1998	25	**54,000**	**140,000**	<1,000	<1,000	<1,000	<1,000	**16,000/14,000**[a]	---	---	---	---
SB-2	8/5/1998	25	**7,000**	**10,000**	<25	**210**	<25	<25	**8,400**	---	---	---	---
SB-1-W1	4/1/2003	32	—	**100**[b]	<0.50	<0.50	<0.50	<1.0	**38**	---	---	---	---
SB-2-W1	4/1/2003	31	—	**200**[b]	<0.50	<0.50	<0.50	<1.0	**17**	---	---	---	---
SB-3-W1	4/1/2003	27	—	**120**[b]	<0.50	<0.50	<0.50	<1.0	**8.5**	—	—	—	—
SB-3-W2	4/1/2003	32 - 36	---	**3,000**[b]	<0.50	<0.50	<0.50	<1.0	**12**	—	—	—	—
CPT-1@64'	11/1/2005	64	**58**[c]	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0
CPT-1@73'	11/1/2005	73	**100**[c]	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0
CPT-2@68'	12/20/2005	68	—	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	—	—	—
CPT-2@75'	12/20/2005	75	—	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	—	—	—
CPT-3@48'	12/20/2005	48	---	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	—	—	—
CPT-3@67'	12/20/2005	67	---	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	—	—	—
CPT-4@38'	11/1/2005	38	—	68	<0.50	<0.50	<0.50	<1.0	**55**	**330**	<2.0	<2.0	<2.0
CPT-5@50'	12/19/2005	50	—	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	—	—	—
CPT-5@60'	12/19/2005	60	---	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	---	—	—
CPT-5@75'	12/19/2005	75	—	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	—	—	—
GP-3	11/4/2005	26	**130c**	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0
Groundwater (≤10 fbg) ESL[d]***:***			100	100	1.0	40	30	20	5.0	12	NA	NA	NA

ATTACHMENT 5

TABLE 2

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
11989 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

Notes:

All results in micrograms per liter (µg/l) unless otherwise indicated.
fbg = Feet below grade
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before April 1, 2003, analyzed by EPA Method 8015
TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8015
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; before April 1, 2003, analyzed by EPA Method 8020
MTBE = Methyl tertiary-butyl ether analyzed by analyzed by EPA Method 8260B; April 1, 2003, analyzed by EPA Method 8020 unless otherwise nc
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
<x = Not detected at reporting limit x
--- = Not analyzed
ESL = Environmental screening level
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL

a = Analyzed by EPA Method 8260
b = Hydrocarbon reported in the gasoline range does not match the laboratory gasoline standard
c = Hydrocarbon reported does not match the pattern of the laboratory's Diesel standard.
d = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for groundwater where groundwater is a source of drinking water (Tables A and C of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* , California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).

TABLE 2
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	7/20/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	367.99	6.24	361.75	NA
MW-1	10/25/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	367.99	6.36	361.63	NA
MW-1	1/27/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.65	362.34	NA
MW-1	4/3/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.68	362.31	1.2/1.6
MW-1	7/27/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.69	362.30	1.0/1.1
MW-1	10/16/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.74	362.25	1.2/0.8
MW-1	1/16/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.71	362.28	0.59/2.8
MW-1	4/19/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.63	362.36	1.4/1.5
MW-1	7/13/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.70	362.29	2.3/3.1
MW-1	8/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	367.99	5.72	362.27	NA
MW-1	10/26/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.73	362.26	0.4/0.0
MW-1	1/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.55	362.44	5.4/2.0
MW-1	5/22/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.55	362.44	NA
MW-1	7/15/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.70	362.29	NA
MW-1	10/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.87	362.12	NA
MW-1	1/17/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.79	362.20	NA
MW-1	5/1/2003	52	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.61	362.38	NA
MW-1	8/27/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.84	362.15	NA
MW-1	10/3/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.95	362.04	NA
MW-1	1/5/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.66	362.33	NA
MW-1	4/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.55	362.44	NA
MW-1	7/22/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.73	362.26	NA
MW-1	11/1/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.73	362.26	NA
MW-1	1/26/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.50	362.49	NA
MW-1	4/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.60	362.39	NA
MW-1	7/21/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	6.14	361.85	NA
MW-1	11/8/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	367.99	6.33	361.66	NA
MW-2	7/20/1999	2,600	699	55.0	<2.50	59.5	<2.50	9,370	NA	NA	NA	NA	NA	NA	365.43	20.31	345.12	NA
MW-2	10/25/1999	4,710	761	61.1	<10.0	74.6	<10.0	22,800	NA	NA	NA	NA	NA	NA	365.43	22.80	342.63	NA
MW-2	1/27/2000	3,820	1490	60.8	<10.0	156	<10.0	13,400	15,000 a	NA	NA	NA	NA	NA	365.43	19.17	346.26	NA

TABLE 2
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	4/3/2000	7,130	NA	184	14.9	238	18.8	34,200	28,000	NA	NA	NA	NA	NA	365.43	19.03	346.40	1.6/1.7
MW-2	7/27/2000	311	NA	10.0	<0.500	<0.500	<0.500	280	NA	NA	NA	NA	NA	NA	365.43	19.09	346.34	1.9/1.7
MW-2	10/16/2000	3,970	NA	123	<5.00	68.5	<5.00	14,000	15,600	NA	NA	NA	NA	NA	365.43	23.98	341.45	0.5/0.5
MW-2	1/16/2001	5,780	NA	125	9.71	139	6.93	7,660	7,810	NA	NA	NA	NA	NA	365.43	22.12	343.31	0.90/2.61
MW-2	4/19/2001	4,460	NA	114	7.61	115	4.87	15,200	18,400	NA	NA	NA	NA	NA	365.43	20.95	344.48	1.6/1.5
MW-2	7/13/2001	<5,000	NA	<25	<25	110	<25	NA	15,000	NA	NA	NA	NA	NA	365.43	22.62	342.81	2.7/1.8
MW-2	8/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	365.43	22.33	343.10	NA
MW-2	10/26/2001	3,700	NA	<20	<20	66	<20	NA	9,200	<20	<20	<20	1,800	<500	365.43	22.32	343.11	0.7/0.8
MW-2	1/11/2002	<5,000	NA	<50	<50	54	<50	NA	15,000	NA	NA	NA	NA	NA	365.43	18.72	346.71	5.1/c
MW-2	5/22/2002	<5,000	NA	53	<50	57	<50	NA	20,000	<50	<50	<50	6,300	NA	365.43	20.59	344.84	NA
MW-2	7/15/2002	<5,000	NA	<50	<50	<50	<50	NA	16,000	<50	<50	<50	3,100	NA	365.43	21.90	343.53	NA
MW-2	10/11/2002	3,600	NA	<20	<20	48	<20	NA	8,200	<20	<20	<20	1,600	NA	365.43	22.45	342.98	NA
MW-2	1/17/2003	4,700	NA	<25	<25	87	<25	NA	13,000	<25	<25	<25	7,700	NA	365.43	19.27	346.16	NA
MW-2	5/1/2003	6,000	NA	<50	<50	110	<100	NA	12,000	<200	<200	<200	6,700	NA	365.43	19.09	346.34	NA
MW-2	8/27/2003	2,500	NA	32	<25	100	<50	NA	4,800	<100	<100	<100	9,100	NA	365.43	22.53	342.90	NA
MW-2	10/3/2003	5,500 d	NA	32	<13	86	<25	NA	2,200	<50	<50	<50	9,900	NA	365.43	23.02	342.41	NA
MW-2	1/5/2004	6,500	NA	22	<13	58	<25	NA	1,200	<50	<50	<50	7,400	NA	365.43	19.08	346.35	NA
MW-2	4/9/2004	6,500	NA	72	<13	30	<25	NA	1,600	<50	<50	<50	11,000	NA	365.43	20.22	345.21	NA
MW-2	7/22/2004	4,900	NA	32	<13	19	<25	NA	180	<50	<50	<50	7,100	NA	365.43	22.14	343.29	NA
MW-2	11/1/2004	5,700	NA	42	<13	13	<25	NA	190	<50	<50	<50	6,100	NA	365.43	20.72	344.71	NA
MW-2	1/26/2005	6,600	NA	94	<13	13	<25	NA	1,700	<50	<50	<50	16,000	NA	365.43	17.95	347.48	NA
MW-2	4/14/2005	8,200	NA	170	<10	92	<20	NA	1,300	<40	<40	<40	15,000	NA	365.43	18.10	347.33	NA
MW-2	7/21/2005	4,100	NA	23	<10	13	<20	NA	96	<40	<40	<40	4,600	NA	365.43	22.72	342.71	NA
MW-2	11/8/2005	1,290	NA	1.66	0.990	2.56	1.25	NA	11.9	<0.500	<0.500	<0.500	428	NA	365.43	21.77	343.66	NA
MW-2	1/6/2006	6,650	NA	<0.500	<0.500	2.69	<0.500	NA	9.23 g	<0.500	<0.500	<0.500	1,300 g	NA	365.43	18.94	346.49	NA
MW-2	4/19/2006	5,490	NA	3.58	0.890	4.32	<0.500	NA	19.0	<0.500	<0.500	<0.500	1,040	NA	365.43	18.34	347.09	NA
MW-2	7/26/2006	4,990	NA	<0.500	<0.500	<0.500	<0.500	NA	4.66	NA	NA	NA	353	NA	365.43	22.53	342.90	NA
MW-2	10/27/2006	2,900	NA	<0.50	<0.50	<0.50	1.2	NA	<0.50	<2.0	<2.0	<2.0	270	NA	365.43	23.08	342.35	NA
MW-2	1/19/2007	1,700	NA	<0.50	0.72	<0.50	<0.50	NA	<0.50	NA	NA	NA	280	NA	365.43	18.91	346.52	NA
MW-2	4/3/2007	2,100 h,i	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	120	NA	365.43	19.37	346.06	NA
MW-2	7/6/2007	2,000 h,i	NA	<0.50	<1.0	0.90 j	7.72 j	NA	<1.0	NA	NA	NA	29	NA	365.43	21.24	344.19	NA

TABLE 2
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	10/30/2007	2,100 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	30	NA	365.43	21.38	344.05	NA
MW-2	1/10/2008	2,200 h,i	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	72	NA	365.43	17.95	347.48	NA
MW-2	4/24/2008	2,700	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	22	NA	365.43	20.72	344.71	NA
MW-2	7/31/2008	2,700	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	28	NA	365.43	21.25	344.18	NA
MW-2	10/13/2008	1,700	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	16	NA	365.43	20.42	345.01	NA
MW-2	1/5/2009	2,300	NA	<0.50	<1.0	<1.0	<1.0	NA	1.0	NA	NA	NA	170	NA	365.43	17.71	347.72	NA
MW-2	7/7/2009	2,200	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	25	NA	365.43	22.43	343.00	NA
MW-2	1/6/2010	3,200	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	48	NA	365.43	22.22	343.21	NA
MW-2	**7/6/2010**	**2,100**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**40**	**NA**	**365.43**	**21.10**	**344.33**	**NA**
MW-3	7/20/1999	208	177	4.69	<0.500	<0.500	<0.500	664	NA	NA	NA	NA	NA	NA	364.97	24.23	340.74	NA
MW-3	10/25/1999	378	182	9.49	<0.500	<0.500	<0.500	1,410	NA	NA	NA	NA	NA	NA	364.97	23.26	341.71	NA
MW-3	1/27/2000	428	100	29.4	<0.500	<0.500	<0.500	941	NA	NA	NA	NA	NA	NA	364.97	19.53	345.44	NA
MW-3	4/3/2000	<125	NA	11.4	<1.25	<1.25	<1.25	639	NA	NA	NA	NA	NA	NA	364.97	19.13	345.84	1.4/1.9
MW-3	7/27/2000	4,360	NA	78.4	6.95	85.8	2.61	26,600	25,200 b	NA	NA	NA	NA	NA	364.97	19.10	345.87	1.9/2.0
MW-3	10/16/2000	586	NA	21.3	<0.500	<0.500	<0.500	3,310	NA	NA	NA	NA	NA	NA	364.97	24.11	340.86	1.1/0.8
MW-3	1/16/2001	558	NA	14.7	<0.500	<0.500	<0.500	2,210	NA	NA	NA	NA	NA	NA	364.97	22.19	342.78	0.87/3.5
MW-3	4/19/2001	376	NA	9.08	<0.500	<0.500	<0.500	667	NA	NA	NA	NA	NA	NA	364.97	20.96	344.01	1.7/1.4
MW-3	7/13/2001	370	NA	<2.0	<2.0	<2.0	<2.0	NA	670	NA	NA	NA	NA	NA	364.97	22.77	342.20	3.1/4.8
MW-3	8/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.97	22.59	342.38	NA
MW-3	10/26/2001	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	680	<2.0	<2.0	<2.0	79	<500	364.97	22.81	342.16	1.0/3.2
MW-3	1/11/2002	480	NA	<2.0	<2.0	<2.0	<2.0	NA	830	NA	NA	NA	NA	NA	364.97	18.88	346.09	1.1/3.2
MW-3	5/22/2002	570	NA	<1.0	<1.0	<1.0	<1.0	NA	680	<2.0	<2.0	<2.0	58	NA	364.97	20.75	344.22	NA
MW-3	7/15/2002	420	NA	1.1	<1.0	<1.0	1.1	NA	520	<2.0	<2.0	<2.0	53	NA	364.97	22.09	342.88	NA
MW-3	10/11/2002	730	NA	<0.50	<0.50	<0.50	<0.50	NA	320	<2.0	<2.0	<2.0	330	NA	364.97	22.68	342.29	NA
MW-3	1/17/2003	740	NA	<0.50	<0.50	<0.50	<0.50	NA	150	<2.0	<2.0	<2.0	440	NA	364.97	19.34	345.63	NA
MW-3	5/1/2003	890	NA	<0.50	<0.50	<0.50	<1.0	NA	78	<2.0	<2.0	<2.0	300	NA	364.97	19.27	345.70	NA
MW-3	8/27/2003	920 d	NA	<0.50	<0.50	<0.50	<1.0	NA	52	<2.0	<2.0	<2.0	330	NA	364.97	22.73	342.24	NA
MW-3	10/3/2003	870 d	NA	<0.50	<0.50	<0.50	<1.0	NA	65	<2.0	<2.0	<2.0	520	NA	364.97	23.15	341.82	NA
MW-3	1/5/2004	860 d	NA	<0.50	<0.50	<0.50	<1.0	NA	40	<2.0	<2.0	<2.0	750	NA	364.97	19.60	345.37	NA
MW-3	4/9/2004	420 d	NA	<0.50	<0.50	<0.50	<1.0	NA	58	<2.0	<2.0	<2.0	280	NA	364.97	20.30	344.67	NA

TABLE 2
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	7/22/2004	570 e	NA	<0.50	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	360	NA	364.97	22.42	342.55	NA
MW-3	11/1/2004	430	NA	<0.50	<0.50	<0.50	<1.0	NA	28	<2.0	<2.0	<2.0	680	NA	364.97	21.00	343.97	NA
MW-3	1/26/2005	1000	NA	0.53	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	820	NA	364.97	17.92	347.05	NA
MW-3	4/14/2005	1,100	NA	1.3	<0.50	<0.50	<1.0	NA	16	<2.0	<2.0	<2.0	580	NA	364.97	18.11	346.86	NA
MW-3	7/21/2005	490	NA	<0.50	<0.50	<0.50	<1.0	NA	4.2	<2.0	<2.0	<2.0	400	NA	364.97	22.95	342.02	NA
MW-3	11/8/2005	349	NA	<0.500	<0.500	<0.500	<0.500	NA	10.1	<0.500	<0.500	<0.500	418	NA	364.97	22.18	342.79	NA
MW-3	1/6/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	13.7	<0.500	<0.500	<0.500	1,060	NA	364.97	19.40	345.57	NA
MW-3	4/19/2006	376	NA	0.580	<0.500	<0.500	<0.500	NA	4.44	<0.500	<0.500	<0.500	452	NA	364.97	18.62	346.35	NA
MW-3	7/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	5.98	NA	NA	NA	72.1	NA	364.97	22.79	342.18	NA
MW-3	10/27/2006	550	NA	<0.50	<0.50	<0.50	<1.0	NA	3.8	<2.0	<2.0	<2.0	270	NA	364.97	23.41	341.56	NA
MW-3	1/19/2007	390	NA	<0.50	<0.50	<0.50	<0.50	NA	6.0	NA	NA	NA	770	NA	364.97	19.88	345.09	NA
MW-3	4/3/2007	310 h,i	NA	<0.50	<1.0	<1.0	<1.0	NA	4.1	NA	NA	NA	480	NA	364.97	20.23	344.74	NA
MW-3	7/6/2007	330 h,i	NA	<0.50	<1.0	0.24 j	2.09 j	NA	1.3	NA	NA	NA	210	NA	364.97	21.85	343.12	NA
MW-3	10/30/2007	310 h	NA	<0.50	<1.0	<1.0	<1.0	NA	2.2	<2.0	<2.0	<2.0	90	NA	364.97	22.00	342.97	NA
MW-3	1/10/2008	320 h,i	NA	<0.50	<1.0	<1.0	<1.0	NA	2.3	NA	NA	NA	160	NA	364.97	18.81	346.16	NA
MW-3	4/24/2008	610	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	160	NA	364.97	21.15	343.82	NA
MW-3	7/31/2008	560	NA	<0.50	<1.0	<1.0	<1.0	NA	1.9	NA	NA	NA	72	NA	364.97	21.90	343.07	NA
MW-3	10/13/2008	550	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	40	NA	364.97	21.04	343.93	NA
MW-3	1/5/2009	280	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	13	NA	364.97	18.12	346.85	NA
MW-3	7/7/2009	700	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	34	NA	364.97	22.95	342.02	NA
MW-3	1/6/2010	350	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	13	NA	364.97	22.74	342.23	NA
MW-3	**7/6/2010**	**100**	**NA**	**0.52**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**364.97**	**21.50**	**343.47**	**NA**
MW-4	8/10/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.01	25.63	338.38	NA
MW-4	8/13/2001	2,400	NA	<10	<10	<10	<10	NA	8,300	NA	NA	NA	NA	NA	364.01	26.32	337.69	4.2/2.7
MW-4	10/26/2001	<2,000	NA	<20	<20	<20	<20	NA	8,600	NA	NA	NA	NA	NA	364.01	26.02	337.99	3.1/2.8
MW-4	1/11/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	NA	NA	NA	NA	NA	364.01	22.25	341.76	7.9/3.0
MW-4	5/22/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	3,200	<5.0	<5.0	<5.0	2,500	NA	364.01	23.96	340.05	NA
MW-4	7/15/2002	<2,500	NA	<20	<20	<20	<20	NA	7,000	<20	<20	<20	2,000	NA	363.97	25.18	338.79	NA
MW-4	10/11/2002	1,900	NA	<5.0	<5.0	<5.0	<5.0	NA	2,900	<5.0	<5.0	<5.0	5,100	NA	363.97	25.91	338.06	NA
MW-4	1/17/2003	580	NA	<2.5	<2.5	<2.5	<2.5	NA	59	<2.5	<2.5	<2.5	7,000	NA	363.97	22.38	341.59	NA

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HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	5/1/2003	770	NA	<5.0	<5.0	<5.0	<10	NA	73	<20	<20	<20	4,300	NA	363.97	21.92	342.05	NA
MW-4	8/27/2003	<1,000	NA	<10	<10	<10	<20	NA	370	<40	<40	<40	11,000	NA	363.97	25.31	338.66	NA
MW-4	10/3/2003	<1,000	NA	<10	<10	<10	<20	NA	190	<40	<40	<40	11,000	NA	363.97	26.00	337.97	NA
MW-4	1/5/2004	<1,000	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	7,400	NA	363.97	23.48	340.49	NA
MW-4	4/9/2004	<1,000	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	5,700	NA	363.97	23.45	340.52	NA
MW-4	7/22/2004	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.97	NA	NA	NA
MW-4	11/1/2004	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.97	NA	NA	NA
MW-4	1/26/2005	1200 f	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	3700	NA	363.97	21.44	342.53	NA
MW-4	4/14/2005	1,000 f	NA	<0.50	<0.50	<0.50	<1.0	NA	6.2	<2.0	<2.0	<2.0	5,800	NA	363.97	20.69	343.28	NA
MW-4	7/21/2005	390	NA	<2.5	<2.5	<2.5	<5.0	NA	<2.5	<10	<10	<10	2,400	NA	363.97	25.55	338.42	NA
MW-4	11/8/2005	489	NA	<0.500	<0.500	<0.500	<0.500	NA	3.23	<0.500	<0.500	<0.500	1,710	NA	363.97	25.46	338.51	NA
MW-4	1/6/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	2.75 g	<0.500	<0.500	<0.500	302	NA	363.97	22.55	341.42	NA
MW-4	4/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	0.630	<0.500	<0.500	<0.500	301	NA	363.97	21.59	342.38	NA
MW-4	7/26/2006	785	NA	<0.500	<0.500	<0.500	<0.500	NA	1.47	NA	NA	NA	1,810	NA	363.97	25.67	338.30	NA
MW-4	10/27/2006	270	NA	<0.50	<0.50	<0.50	<1.0	NA	0.98	<2.0	<2.0	<2.0	3,000	NA	363.97	26.41	337.56	NA
MW-4	1/19/2007	79	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	550	NA	363.97	23.79	340.18	NA
MW-4	4/3/2007	63 h,i	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	13	NA	363.97	23.36	340.61	NA
MW-4	7/6/2007	130 h,i	NA	<0.50	<1.0	<1.0	1.0	NA	<1.0	NA	NA	NA	750	NA	363.97	24.47	339.50	NA
MW-4	10/30/2007	150 h,i	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	530	NA	363.97	24.66	339.31	NA
MW-4	1/10/2008	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.97	NA	NA	NA
MW-4	4/24/2008	230	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	170	NA	363.97	23.49	340.48	NA
MW-4	7/31/2008	67	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	29	NA	363.97	24.63	339.34	NA
MW-4	10/13/2008	170	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	120	NA	363.97	24.52	339.45	NA
MW-4	1/5/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	363.97	23.18	340.79	NA
MW-4	7/7/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	363.97	24.98	338.99	NA
MW-4	1/6/2010	75	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	363.97	24.94	339.03	NA
MW-4	**7/6/2010**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**363.97**	**23.00**	**340.97**	**NA**
MW-5	1/3/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	361.00	22.95	338.05	NA
MW-5	1/6/2006	<50.0	280	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	361.00	22.77	338.23	NA
MW-5	4/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	32.1	NA	361.00	21.06	339.94	NA

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11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	7/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	NA	361.00	24.68	336.32	NA
MW-5	10/27/2006	170	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	361.00	25.57	335.43	NA
MW-5	1/19/2007	230	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	NA	361.00	24.24	336.76	NA
MW-5	4/3/2007	76 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.00	23.64	337.36	NA
MW-5	7/6/2007	<50 h	NA	<0.50	<1.0	<1.0	0.84 j	NA	<1.0	NA	NA	NA	<10	NA	361.00	24.74	336.26	NA
MW-5	10/30/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	361.00	24.84	336.16	NA
MW-5	1/10/2008	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.00	22.95	338.05	NA
MW-5	4/24/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.00	23.58	337.42	NA
MW-5	7/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.00	24.88	336.12	NA
MW-5	10/13/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	361.00	25.02	335.98	NA
MW-5	1/5/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.00	24.06	336.94	NA
MW-5	7/7/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	361.00	24.75	336.25	NA
MW-5	1/6/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.00	24.57	336.43	NA
MW-5	**7/6/2010**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**361.00**	**22.90**	**338.10**	**NA**
MW-6	7/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	361.15	25.33	335.82	NA
MW-6	7/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	361.15	25.45	335.70	NA
MW-6	10/27/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.63	<2.0	<2.0	<2.0	<5.0	NA	361.15	26.41	334.74	NA
MW-6	1/19/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	1.1	NA	NA	NA	<20	NA	361.15	25.50	335.65	NA
MW-6	4/3/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.70 j	NA	NA	NA	<10	NA	361.15	25.00	336.15	NA
MW-6	7/6/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.34 j	NA	NA	NA	<10	NA	361.15	25.93	335.22	NA
MW-6	10/30/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.30 j	<2.0	<2.0	<2.0	<10	NA	361.15	26.10	335.05	NA
MW-6	1/10/2008	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.15	24.43	336.72	NA
MW-6	4/24/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.15	24.76	336.39	NA
MW-6	7/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.15	26.00	335.15	NA
MW-6	10/13/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	361.15	26.28	334.87	NA
MW-6	1/5/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.15	25.18	335.97	NA
MW-6	7/7/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	361.15	25.70	335.45	NA
MW-6	1/6/2010	89	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.15	25.41	335.74	NA
MW-6	5/13/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	361.15	22.75	338.40	NA
MW-6	**7/6/2010**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**361.15**	**23.98**	**337.17**	**NA**

TABLE 2
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-7	7/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	365.21	25.93	339.28	NA
MW-7	7/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	365.21	30.53	334.68	NA
MW-7	10/27/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	365.21	31.97	333.24	NA
MW-7	1/19/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	NA	365.21	31.61	333.60	NA
MW-7	4/3/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	30.80	334.41	NA
MW-7	7/6/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	31.86	333.35	NA
MW-7	10/30/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	365.21	32.32	332.89	NA
MW-7	1/10/2008	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	31.40	333.81	NA
MW-7	4/24/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	30.60	334.61	NA
MW-7	7/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	32.14	333.07	NA
MW-7	10/13/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	365.21	32.80	332.41	NA
MW-7	1/5/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	31.86	333.35	NA
MW-7	7/7/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	365.21	31.49	333.72	NA
MW-7	1/6/2010	160	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	31.52	333.69	NA
MW-7	5/13/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	365.21	28.65	336.56	NA
MW-7	**7/6/2010**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**365.21**	**29.80**	**335.41**	**NA**

TABLE 2
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8015.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
TOC = Top of Casing Elevation
GW = Groundwater
DO = Dissolved Oxygen
n/n = Pre-purge/Post-purge DO Readings
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft = Feet
<n = Below detection limit
NA = Not applicable

TABLE 2
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Sample was analyzed outside the EPA recommended holding time.

b = Concentration is an estimate.

c = DO meter malfunctioning.

d = Hydrocarbon does not match pattern of laboratory's standard.

e = Sample contains discrete peak in addition to gasoline.

f = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

g = Secondary ion abundances were outside method requirements. Identification based on analytical judgement.

h = Analyzed by EPA Method 8015B (M).

i = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Ethanol analyzed by EPA Method 8260B.

Wells surveyed June 21, 1999 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells surveyed August 23, 2001 and February 18, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Well MW-5 surveyed on March 3, 2006 by Mid Coast Engineers.

Well MW-6 and MW-7 surveyed data provided by Delta Environmental Consultants, Inc, CA. on August 15, 2006.

BORING LOG

Client: Shell Oil Products Company

Project No: 24-548 Phase Task 012

Boring ID SB-1

Location 11989 Dublin Blvd, Dublin

Surface Elev. NA ft, Page 1 of 1

Depth (feet)	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			Asphalt
5				Sandy, Clayey SILT; (ML); brown; soft; damp; 20% clay, 60% silt, 15% fine sand, 5% fine gravel; medium plasticity; moderate estimated permeability.
10				Clayey SILT; (ML); brown; soft; damp; 30% clay, 70% silt; medium plasticity; moderate estimated permeability.
15				grey; 30% clay, 65% silt, 5% fine sand; low estimated permeabililty.
20				Sandy SILT; (ML); brown; soft; damp; 10% clay, 65% silt, 20% sand, 5% fine gravel; low to medium plasticity; low to moderate estimated permeability.
25				Clayey SILT; (ML); brown; stiff; damp; 35% clay, 60% silt, 5% fine sand; low to medium plasticity; low estimated permeability.
30				25% clay, 70% silt, 5% fine sand; low to moderate estimated permeability.
35				Silty SAND; (SM); grey; medium dense; wet; 5% clay, 25% silt; 70% fine sand; low plasticity; moderate estimated permeability.
40				Clayey SILT; (ML); brown; stiff; damp; 30% clay, 65% silt, 5% fine sand; low to medium plasticity; low estimated permeability.

TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth (feet)	Additional Comments
			0	
			5	
< 1.0			10	
			15	
< 1.0			20	
			25	
			30	
< 1.0			35	Bottom of boring @ 36 ft.
			40	

Driller Vironex

Logged By Josh Bergstrom

Water-Bearing Zones NA

Drilling Started 11/19/97

Drilling Completed 11/19/97

Grout Type Portland Type I/II

Notes: Northern edge of property.

ATTACHMENT 6

BORING LOG

Client: Shell Oil Products Company

Project No: 24-548 Phase Task 012

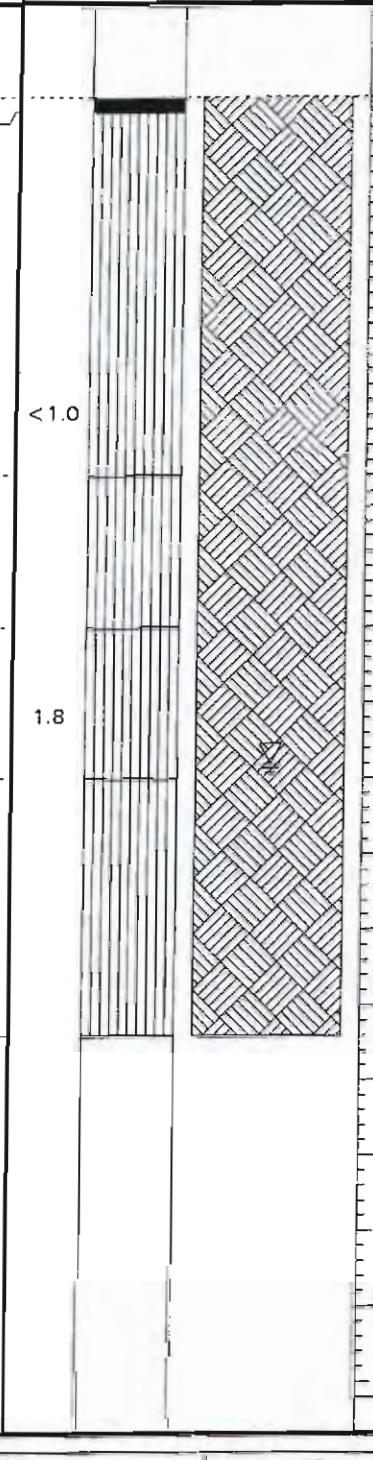
Boring ID SB-2

Location 11989 Dublin Blvd, Dublin

Surface Elev. NA ft.

Page 1 of 1

Depth (feet)	Blow Count	Sample Interval	Lithologic Description
0	Ground Surface		
			Asphalt
5			Clayey, Sandy SILT; (ML); brown; soft; damp; 15% clay, 60% silt, 20% sand, 5% gravel; low plasticity; moderate estimated permeability.
10			15% clay, 70% silt, 15% sand; low to medium plasticity.
15			Clayey SILT; (ML); grey; stiff; damp; 20% clay, 75% silt, 5% sand; low to medium plasticity; low estimated permability.
20			Sandy, Clayey SILT; (ML); green; stiff; damp; 20% clay, 65% silt, 15% sand, 2" thick gravel layer; medium plasticity; low to moderate estimated permeability.
25			Clayey SILT; (ML); green; stiff; damp; 40% clay, 60% silt; medium plasticity; low estimated permeability.
30			brown to green.
35			
40			



Additional Comments

Water level @ 22 ft.

Bottom of boring @ 31 ft.

Driller Vironex

Logged By Josh Bergstrom

Water-Bearing Zones NA

Drilling Started 11/19/97

Drilling Completed 11/19/97

Grout Type Portland Type I/II

Notes: Eastern edge of canopy.

BOR 24548 2/13/98

Cambria Environmental Technology, Inc.

BORING LOG

Client: Shell Oil Products Company

Project No: 24-548 Phase Task 012

Boring ID SB-3

Location 11989 Dublin Blvd, Dublin

Surface Elev. NA ft,

Page 1 of 1

Depth (feet)	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			Asphalt
5				Clayey SILT; (ML); brown; soft; damp; 20% clay, 70% silt, 10% coarse sand; low to medium plasticity; moderate estimated permeability.
10				20% clay, 75% silt, 5% sand; low to moderate estimated permeability.
15				stiff; 20% clay, 80% silt; low estimated permeability.
20				30% clay, 65% silt, 5% fine sand; medium plasticity.
25				grey; 40% clay, 60% silt.
30				grey to green.
35				brown; 40% clay, 55% silt, 5% sand.
40				40% clay, 60% silt.

TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth (feet)	Additional Comments
			0	
<1.0			10	
11.0			25	
<1.0			35	
			40	Bottom of boring @ 41 ft.

Driller Vironex

Logged By Josh Bergstrom

Water-Bearing Zones NA

Drilling Started 11/19/97

Drilling Completed 11/19/97

Grout Type Portland Type I/II

Notes: Southeastern edge of canopy.

BOR 24548 2/13/98

Cambria Environmental Technology, Inc.

BORING LOG

Client: Shell Oil Products Company

Project No: 24-548 Phase Task 012

Boring ID SB-4

Location 11989 Dublin Blvd, Dublin

Surface Elev. NA ft, Page 1 of 1

Depth (feet)	Blow Count	Sample	Interval	Lithologic Description
0				Ground Surface
				Concrete
5				Clayey SILT; (ML); brown; soft; damp; 15% clay, 80% silt, 5% sand; low to medium plasticity; moderate estimated permeability.
10				Clayey, Sandy SILT; (ML); brown; soft; damp; 15% clay, 55% silt, 30% fine sand; no plasticity; moderate estimated permeability.
15				Clayey SILT; (ML); brown; soft; damp; 35% clay, 60% silt, 5% sand; medium plasticity; low estimated permeability.
20				Clayey, Sandy SILT; (ML); brown; soft; damp; 15% clay, 45% silt, 40% fine sand; low to medium plasticity; low to moderate estimated permeability.
25				Clayey SILT; (ML); brown; stiff; damp; 35% clay, 65% silt; medium plasticity; low estimated permeability.
30				40% clay, 60% silt.
35				40% clay, 55% silt, 5% fine sand.
40				

TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth (feet)	Additional Comments
			0	
			5	
<1.0			10	
			15	
			20	
<1.0			25	
			30	
			35	Bottom of boring @ 36 ft.
			40	

Driller Vironex

Logged By Josh Bergstrom

Water-Bearing Zones NA

Drilling Started 11/19/97

Drilling Completed 11/19/97

Grout Type Portland Type I/II

Notes: Southern edge of canopy.

BOR 24548 2/13/98

Cambria Environmental Technology, Inc.

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC	BORING/WELL NAME	SB-1
JOB/SITE NAME	Dublin-11989	DRILLING STARTED	05-Aug-98
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	05-Aug-98
PROJECT NUMBER	240-0548	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Riggi	DEPTH TO WATER (First Encountered)	25.0 ft (05-Aug-98)
REVIEWED BY		DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5' bgs; located 10' SE of SE corner of UST slab.		

PID (ppm)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT.	0.5	
						SW		Gravelly SAND with Silt; (SW); brown; moist; 10% clay, 25% silt, 40% sand, 25% gravel; low plasticity; high estimated permeability.	5.0	
					5	GM		Silty Sandy GRAVEL; (GM); brown; moist; 20% clay, 20% silt, 20% sand, 40% gravel; low plasticity; high estimated permeability.	7.5	
					10	GM		Sandy GRAVEL with Silt; (GM); light brown to brown; dry; 5% clay, 25% silt, 30% sand, 40% gravel; no plasticity; high estimated permeability.	12.5	Portland Type I/II
					15	SC		Clayey SAND; (SC); light brown; moist; 25% clay, 20% silt, 55% sand; low plasticity; low estimated permeability.	22.5	
					20					
					25	CL		Silty CLAY; (CL); brown; damp; 40% clay, 35% silt, 25% fine sand; high plasticity; low estimated permeability. 8/5/98 ▽	30.0	Bottom of Boring @ 30 ft
					30					

WELL LOG (PID) G:\DUBLIN-1\GINT\DUB11989.GPJ DEFAULT GDT 1/25/99

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC	BORING/WELL NAME	SB-2
JOB/SITE NAME	Dublin-11989	DRILLING STARTED	05-Aug-98
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	05-Aug-98
PROJECT NUMBER	240-0548	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Riggi	DEPTH TO WATER (First Encountered)	25.0 ft (05-Aug-98)
REVIEWED BY		DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5' bgs; located 50' SE of SE corner of UST slab.		

PID (ppm)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								ASPHALT.	0.5	
						SW		Gravelly SAND with Silt; (SW); light brown to brown; dry; 10% clay, 20% silt, 45% sand, 25% gravel; no plasticity; high estimated permeability.		
					5				5.0	
						SM		Silty SAND; (SM); light brown to brown; dry; 20% clay, 25% silt, 35% sand, 20% gravel; low plasticity; high estimated permeability.	7.5	
								Clayey SAND; (SC); light brown to brown; moist; 30% clay, 10% silt, 60% sand; medium plasticity; low estimated permeability.		
					10					
						SC		@ 14' - 25% clay, 15% silt, 60% sand; low to medium plasticity; moderate estimated permeability.		◄ Portland Type I/II
					15					
								@ 19' - 35% clay, 25% silt, 40% sand; very low estimated permeability.		
					20				22.5	
								Silty CLAY; (CL); brown; wet; 35% clay, 30% silt, 35% sand; medium plasticity; very low estimated permeability.		
								8/5/98 ▽		
					25	CL				
									30.0	Bottom of Boring @ 30 ft
					30					

WELL LOG (PID) G:\DUBLIN-1\GINT\DUB11989.GPJ DEFAULT.GDT 1/25/99

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	**DRILLING COMPLETED**	01-Apr-03
PROJECT NUMBER	245-0548-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	31.0 ft (01-Apr-03) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg in the southeastern parking lot of CoCo's Restaurant.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.6	
0		SB-1- 5'		5	ML		Clayey SILT; (ML); Black; soft; dry; 5% Clay, 95% Silt.		
0		SB-1- 10'		10			Brown; medium dense; dry; 10% Clay, 90% Silt.		
0		SB-1- 15'		15			Dark brown; soft; dry; 25% Clay, 75% Silt; low plasticity.	15.5	
0		SB-1- 20'		20	CL		Silty CLAY; (CL); Brown; medium dense; damp; 75% Clay, 25% Silt; medium plasticity.	22.0	
0		SB-1- 25'		25	GM		Silty GRAVEL; (GM); Brown; loose; damp; 5% Clay, 30% Silt, 5% Sand; 60% Gravel.	22.8	
					CL		Silty CLAY; (CL); Brown; soft; damp; 80% Clay, 15% Silt, 5% very fine Sand.	28.5	
1.5		SB-1- 30'		30	ML		Clayey SILT; (ML); Brown; soft; damp to wet; 10% Clay, 85% Silt, 5% Sand; medium plasticity. Olive gray; slight hydrocarbon odor. Grab groundwater sample collected. ▽	34.3	
				35			Silty CLAY; (CL); Olive gray; medium dense; wet; 75%		

Continued Next Page

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	**DRILLING COMPLETED**	01-Apr-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
4.5		SB-1- 35'			CL		Clay, 25% Silt; low plasticity.	36.0	
							Second grab groundwater sample attempted via hydropunch; no water collected.		
				40				40.0	Bottom of Boring @ 40 ft

WELL LOG (PID) G:\DUBLIN 11989 DUBLIN\GINT\DUB11989.GPJ DEFAULT.GDT 4/3/03

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Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-2
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	01-Apr-03
PROJECT NUMBER	245-0548-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	31.0 ft (01-Apr-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg in the northwestern parking lot of CoCo's Resaurant.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.6	
					ML		**Clayey SILT**; (ML); Black;l medium dense; dry; 45% Clay, 50% Silt, 5% Gravel; low plasticity.		
		SB-2- 5'		5			SILT with Sand and Gravel; (ML); Gray; loose; dry; 60% Clay, 20% Sand, 20% Gravel.	6.5	
					CL		**Silty CLAY**; (CL); Brown; medium dense; dry; 51% Clay, 49% Silt; high plasticity.	8.8	
		SB-2- 10'		10	ML		**Clayey SILT**; (ML); Gray to Brown; medium dense; dry; 15% Clay, 80% Silt, 5% Gravel; medium plasticity.		
		SB-2- 15'		15				17.5	
		SB-2- 20'		20	CL		**Silty CLAY**; (CL); Brown; soft to dense; damp; 75% Clay, 25% Silt; high plasticity.		
		SB-2- 25'		25	ML		CLAY with Gravel; Brown; very dense; dry; 70% Clay, 20% Silt; 10% Gravel; medium plasticity. **Clayey SILT**; (ML); Dry; 30% Clay; 60% Silt; 10% Gravel; low plasticity.	25.0 27.0	
		SB-2- 30'		30	CL		**Silty CLAY**; (CL); Olive Gray; medium dense; damp to dry; 75% Clay, 25% Silt; high plasticity. Grab groundwater sample collected.	33.0	
				35	ML		**Clayey SILTwith some very fine Sand**; (ML); Olive gray; soft; wet; 90% Silt, 10% very fine SAND.		

Continued Next Page

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5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	**DRILLING COMPLETED**	01-Apr-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		SB-2- 35'						36.0	Bottom of Boring @ 36 ft
							SILT; very dense; hydrocarbono odor. Second grab groundwater sample attempted via hydropunch; no water collected.	40.0	

WELL LOG (PID) G:\DUBLIN 11989 DUBLIN\GINT\DUB11989.GPJ DEFAULT.GDT 4/3/03

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Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	**DRILLING COMPLETED**	01-Apr-03
PROJECT NUMBER	245-0548-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	27.0 ft (01-Apr-03) ▽
REVIEWED BY	M. Derby, PE# 55475	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Hand augered to 5 fbg in the northwestern parking lot of CoCo's Resaurant.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.4	
					ML		**Clayey SILT**; (ML); Black; loose; dry; 15% Clay, 80% Silt, 5% Gravel.		
		SB-3- 5'		5					
							Sandy SILT; Brown; loose; dry; 5% Clay, 70% Silt, 25% Sand.		
		SB-3- 10'		10				11.0	
					CL		**Silty CLAY**; (CL); Brown; very dense to hard; dry; 80% Clay, 20% Silt; medium plasticity.		
		SB-3- 15'		15					
		SB-3- 20'		20				21.0	
					GM		**Silty GRAVEL**; (GM); Brown; loose; damp; 15% Silt, 5% Sand, 80% Gravel.	23.0	
					ML		**Sandy SILT with Clay**; (ML); Brown; soft; damp to wet; 5% Clay, 75% Silt; 20% Sand; low plasticity.		
		SB-3- 25'		25				▽ 27.0	
					CL		**CLAY**; (CL); Olive gray; very dense; dry; 100% Clay; high plasticity.		
							First grab groundwater sample collected.	28.5	
					ML		**Clayey SILT**; (CL); Olive gray; soft; wet; 30% Clay, 70% Silt; high plasticity; hydrocarbon odor.		
		SB-3- 30'		30			Sandy SILT with Gravel and Clay; Olive gray; loose; wet; 10% Clay, 70% Silt, 10% Sand, 10% Gravel; medium plasticity.	30.5	
					SC		**Clayey SAND**; (SC); Olive gray; soft; wet; 35% Clay, 5% Silt; 60% fine Sand; hydrocarbon odor.	32.0	
				35			Second grab groundwater sample collected via hydropunch method.		

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WELL LOG (PID) G:\DUBLIN 11989 DUBLIN\GINT\DUB11989.GPJ DEFAULT.GDT 4/3/03

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5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

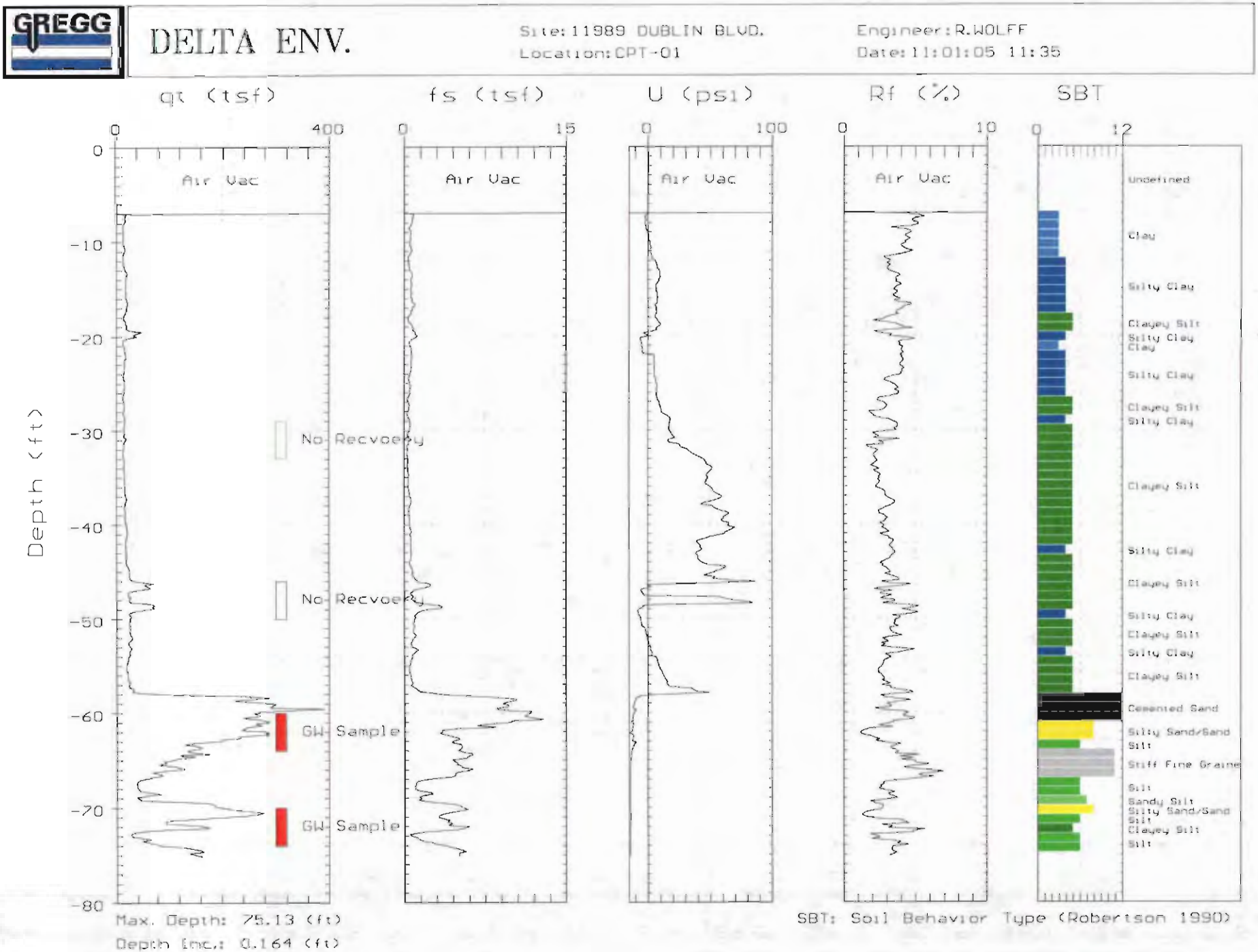
BORING/WELL LOG

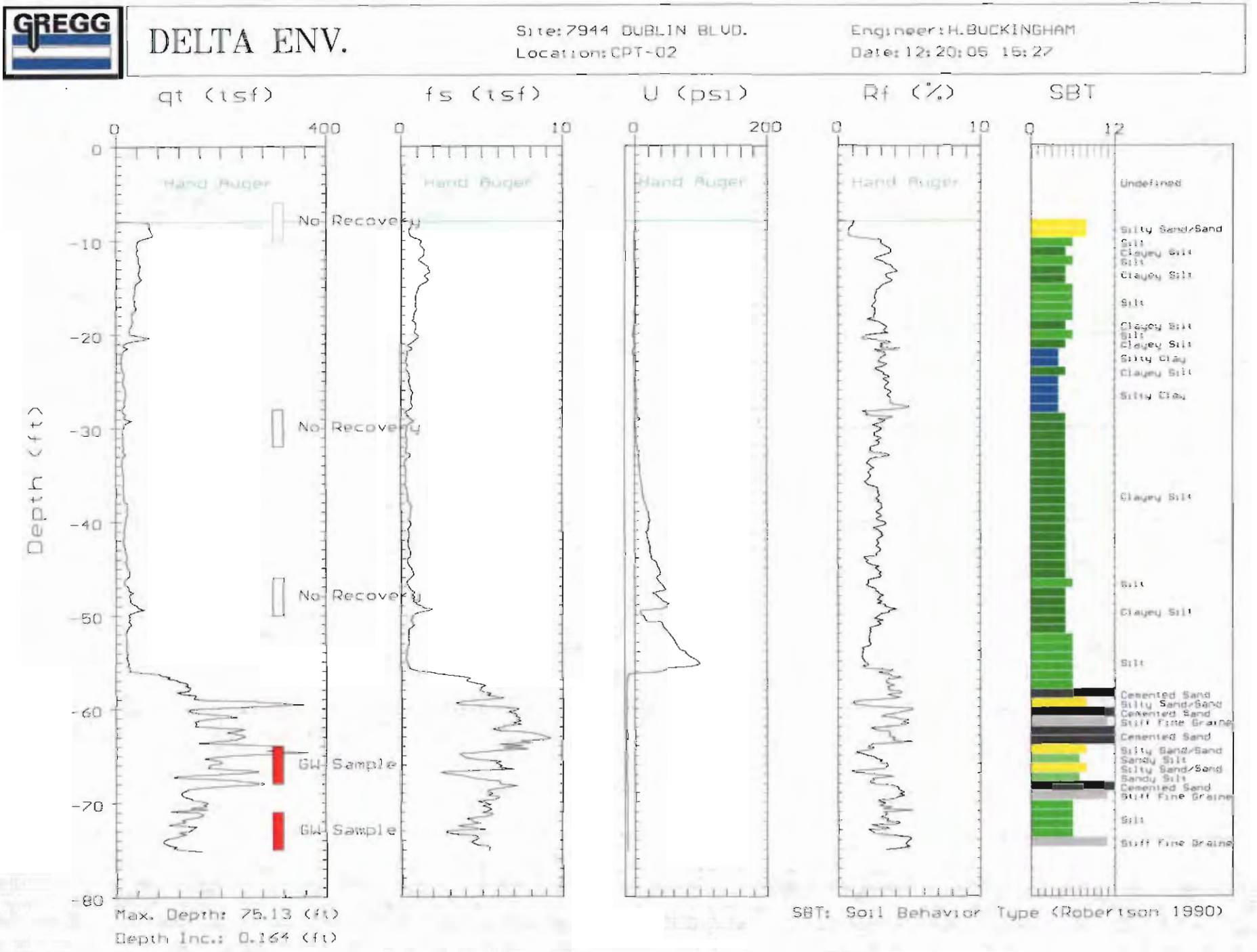
CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	**DRILLING COMPLETED**	01-Apr-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
								36.0	Bottom of Boring @ 36 ft

WELL LOG (PID) G:\DUBLIN 11989 DUBLIN\GINT\DUB11989.GPJ DEFAULT.GDT 5/21/03


GREGG
DELTA ENV.
Site: 11989 DUBLIN BLVD.
Location: CPT-01
Engineer: R.WOLFF
Date: 11:01:05 11:35
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
Air Vac
No Recvoery
No Recvoery
GW Sample
GW Sample
Depth (ft)
Max. Depth: 75.13 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)
Undefined
Clay
Silty Clay
Clayey Silt
Silty Clay
Clay
Silty Clay
Clayey Silt
Silty Clay
Clayey Silt
Silty Clay
Clayey Silt
Silty Clay
Clayey Silt
Silty Clay
Clayey Silt
Cemented Sand
Silty Sand/Sand Silt
Stiff Fine Grained
Silt
Sandy Silt
Silty Sand/Sand Silt
Clayey Silt
Silt

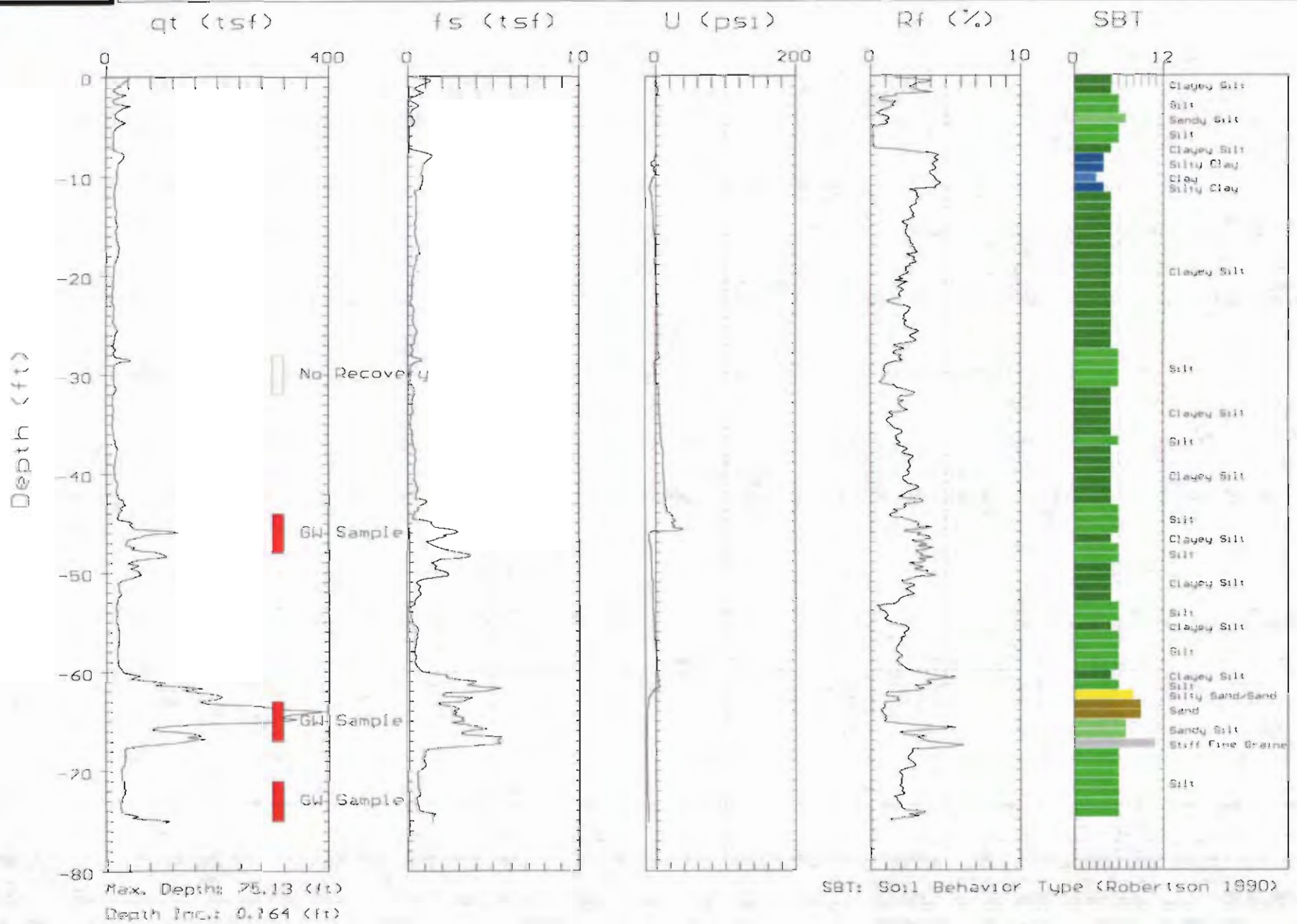

GREGG
DELTA ENV.
Site: 7944 DUBLIN BLVD.
Location: CPT-02
Engineer: H.BUCKINGHAM
Date: 12:20:05 15:27
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
Depth (ft)
Hand Auger
No Recovery
No Recovery
No Recovery
GW Sample
GW Sample
Undefined
Silty Sand/Sand
Silt
Clayey Silt
Silt
Clayey Silt
Silt
Clayey Silt
Silt
Clayey Silt
Silty Clay
Clayey Silt
Silty Clay
Clayey Silt
Silt
Clayey Silt
Silt
Cemented Sand
Silty Sand/Sand
Cemented Sand
Stiff Fine Grained
Cemented Sand
Silty Sand/Sand
Sandy Silt
Silty Sand/Sand
Sandy Silt
Cemented Sand
Stiff Fine Grained
Silt
Stiff Fine Grained
Max. Depth: 75.13 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENV.

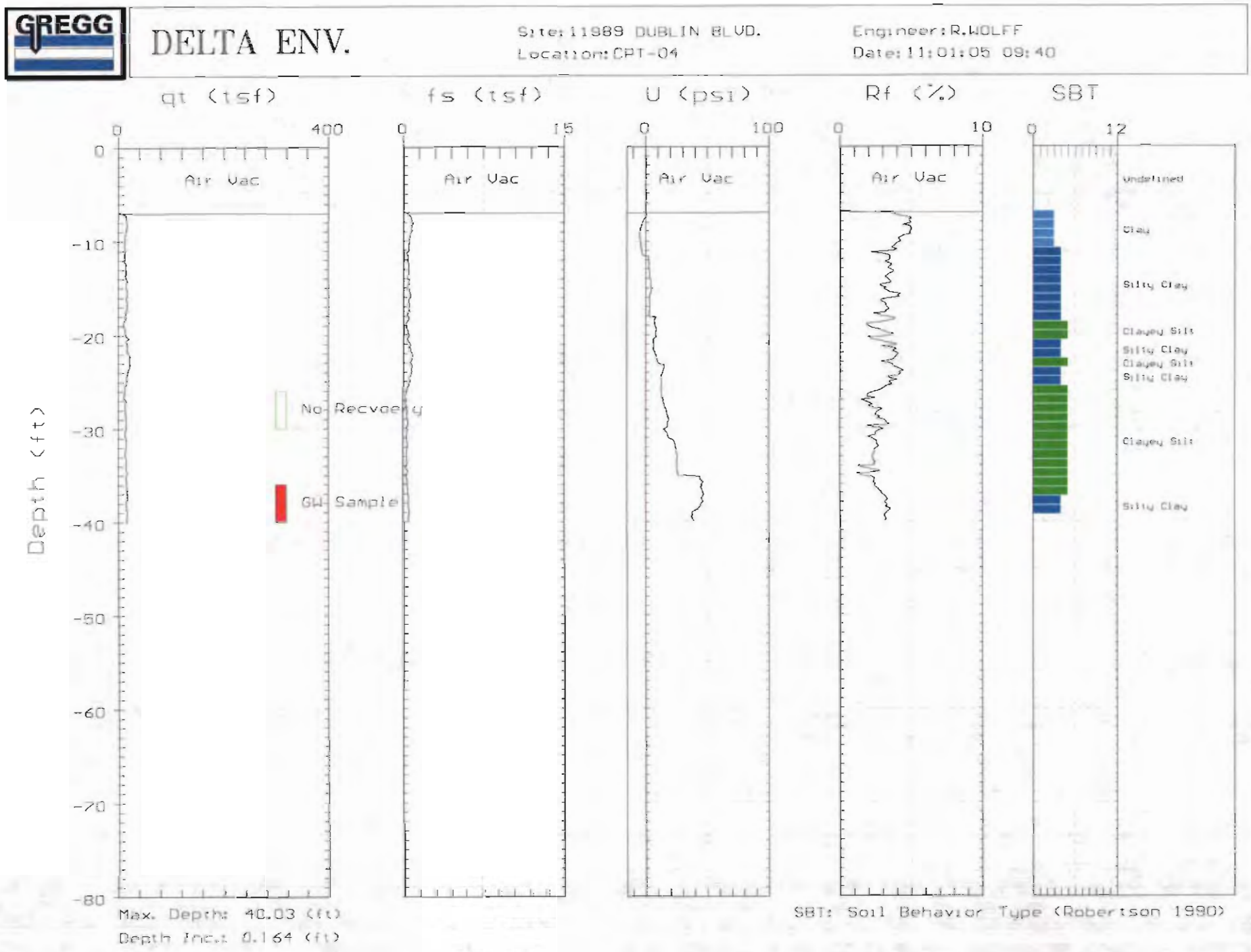
Site: 7944 DUBLIN BLVD.
Location: CPT-03

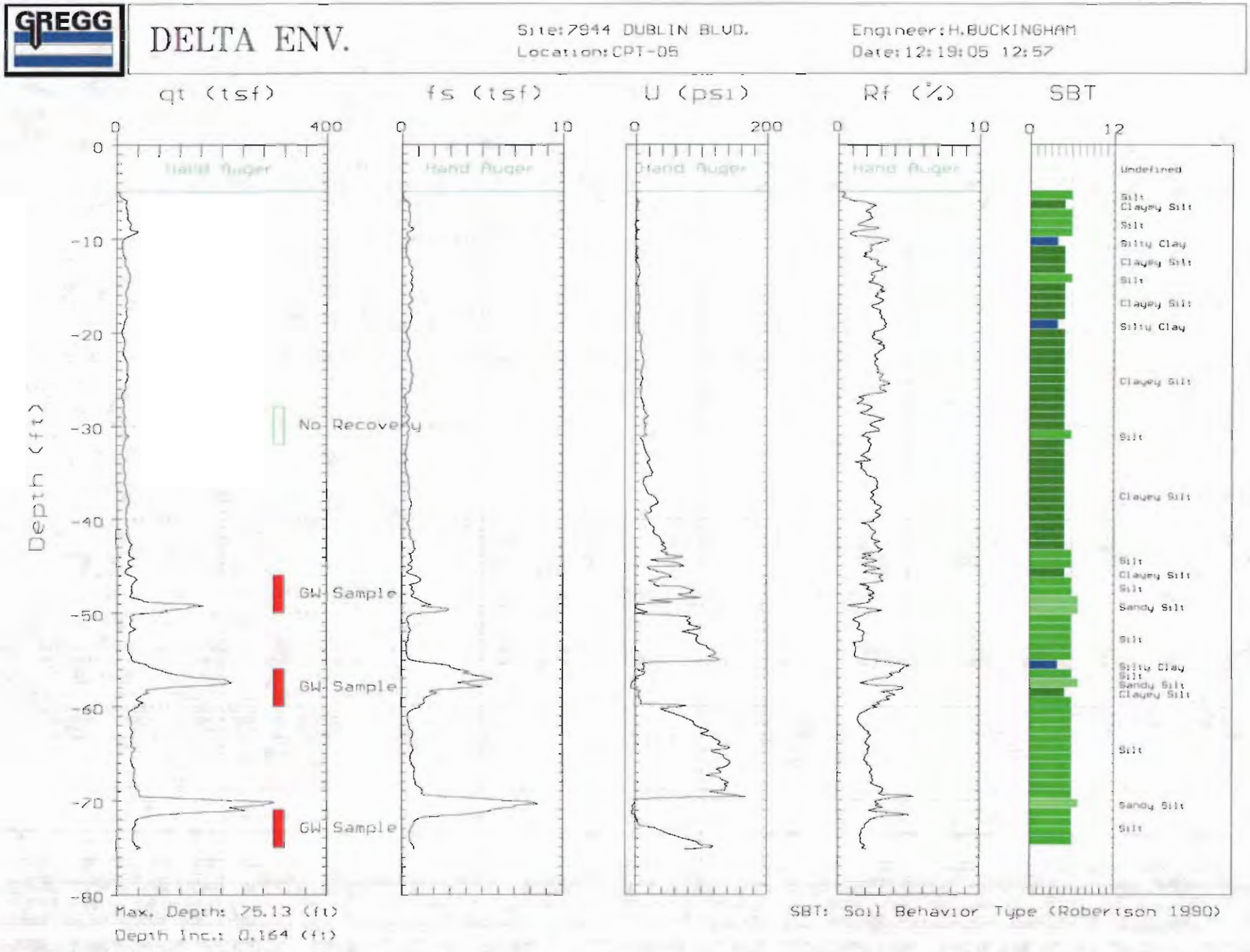
Engineer: H.BUCKINGHAM
Date: 12:19:05 18:51



Max. Depth: 75.13 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)


GREGG
DELTA ENV.
Site: 11989 DUBLIN BLVD.
Location: CPT-04
Engineer: R.WOLFF
Date: 11:01:05 09:40
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
0
400
15
100
10
12
Air Vac
Depth (ft)
0
-10
-20
-30
-40
-50
-60
-70
-80
No Recovery
GW Sample
Undefined
Clay
Silty Clay
Clayey Silt
Silty Clay
Clayey Silt
Silty Clay
Clayey Silt
Silty Clay
Max. Depth: 40.03 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

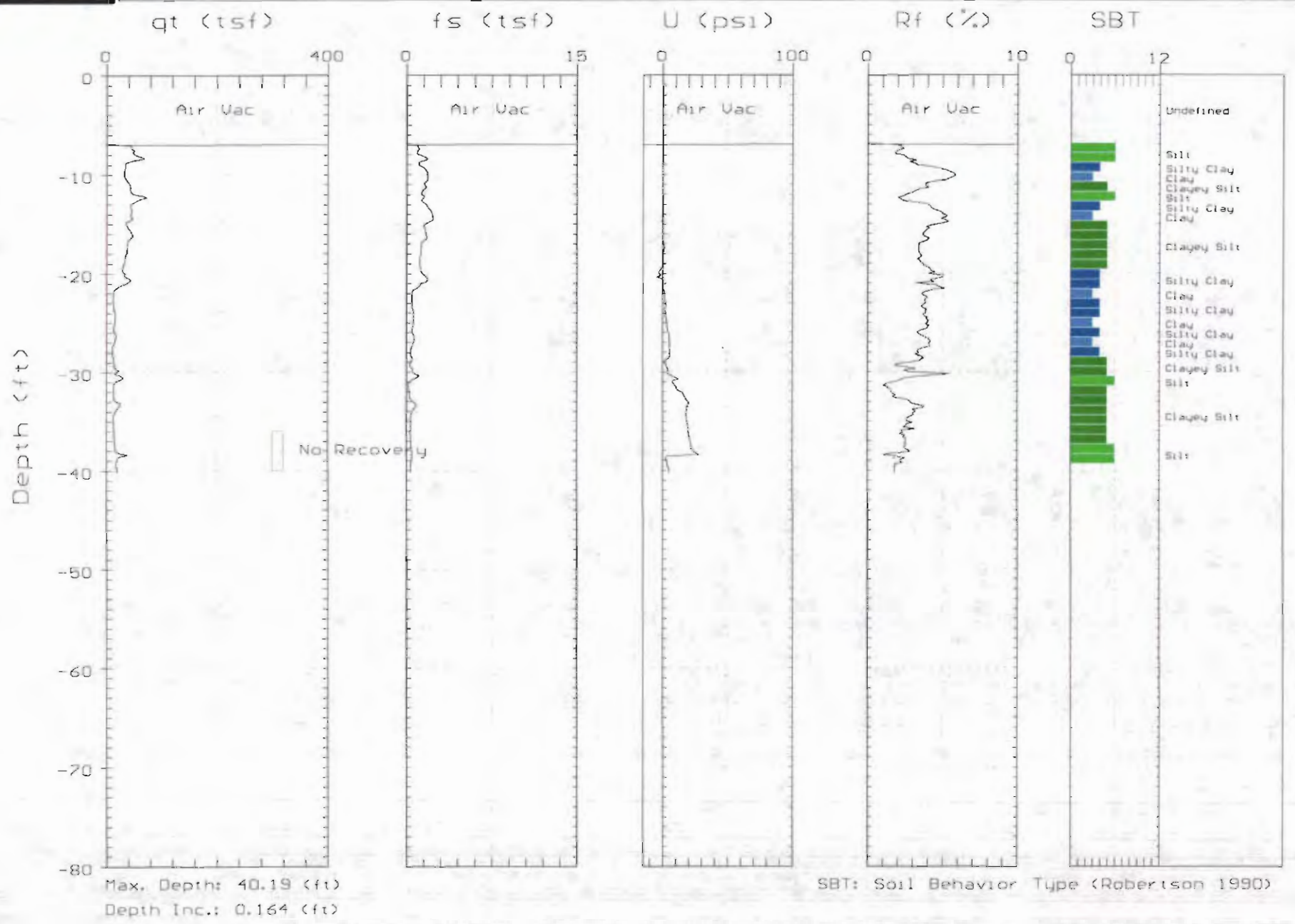

GREGG
DELTA ENV.
Site: 7944 DUBLIN BLVD.
Location: CPT-05
Engineer: H.BUCKINGHAM
Date: 12:19:05 12:57
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
Depth (ft)
Hand Auger
No Recovery
GW Sample
GW Sample
GW Sample
Undefined
Silt
Clayey Silt
Silt
Silty Clay
Clayey Silt
Silt
Clayey Silt
Silty Clay
Clayey Silt
Silt
Clayey Silt
Silt
Clayey Silt
Silt
Sandy Silt
Silt
Silty Clay
Silt
Sandy Silt
Clayey Silt
Silt
Sandy Silt
Silt
Max. Depth: 75.13 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENV.

Site: 11989 DUBLIN BLVD.
Location: CPT-06

Engineer: R.WOLFF
Date: 11:01:05 15:54



Delta

Environmental Consultants, Inc.

Project No:	SJ11-989-T	Client:	Shell Oil Products US	Boring No: B-1
Logged By:	Heather Buckingham	Location:	11989 Dublin Blvd., Dublin	Page 1 of 1
Driller:	Gregg	Date Drilled:	7/8/2005	
Drilling Method:	Direct Push	Hole Diameter:	3"	
Sampling Method:	GeoProbe	Hole Depth:	12 ft	
Casing Type:		Well Diameter:		
Slot Size:		Well Depth:		
Gravel Pack:		Casing Stickup:		
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					0			AF	Concrete 6"
					1			CL	**Lean CLAY**: medium brown; trace fine grained sand; moderate plasticity
					2				
					3				
					4				
Grout		dry	0	air knifed & hand augered	5				(same as above, dark brown mottled with medium brown)
					6				
					7				
					8				
					9				
		dry	0.8		10				
					11				
					12				Boring terminated at 12 feet below ground surface
					13				Boring remained dry after approximately 1.5 hr
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta

Environmental Consultants, Inc.

Project No:	SJ11-989-T	Client:	Shell Oil Products US	Boring No: B-2	
Logged By:	Heather Buckingham	Location:	11989 Dublin Blvd., Dublin	Page 1 of 1	
Driller:	Gregg	Date Drilled:	7/8/2005	Location Map	
Drilling Method:	Direct Push	Hole Diameter:	3"	Please see site map	
Sampling Method:	GeoProbe	Hole Depth:	20 ft		
Casing Type:		Well Diameter:			
Slot Size:		Well Depth:			
Gravel Pack:		Casing Stickup:			
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
								AF	Concrete 4"
					1			CL	**Lean CLAY**: dark brown mottled with medium brown; trace fine grained sand; low to moderate plasticity
					2				
					3				
					4				
				air knifed & hand augered	5				
Grout		damp	0.2		6				
					7				
					8				
					9			SP	**Clayey SAND with Gravels**: moderate brown mottled with orange; 60-70% poorly graded fine grained sand; 10-15% gravels up to 0.4 mm in length; 20-25% fines
		dry	0		10				
					11			CL	**Lean CLAY**: medium gray; trace gravels up to 0.5 cm in length
					12				
					13				
					14				
					15				
		moist	2		16				
					17				
					18				
					19				
		moist	3.1		20				Boring terminated 20 feet below grade
					21				
					22				

Delta

Environmental Consultants, Inc.

Project No:	SJ11-989-T	Client:	Shell Oil Products US	Boring No: B-3
Logged By:	Heather Buckingham	Location:	11989 Dublin Blvd., Dublin	Page 1 of 1
Driller:	Gregg	Date Drilled:	7/8/2005	
Drilling Method:	Direct Push	Hole Diameter:	3"	
Sampling Method:	GeoProbe	Hole Depth:	20 ft	
Casing Type:		Well Diameter:		
Slot Size:		Well Depth:		
Gravel Pack:		Casing Stickup:		

Location Map: Please see site map

Elevation | Northing | Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout		damp	0.3	air knifed & hand augered	1–7			AF	Concrete 4"
								CL	**Lean CLAY**: dark brown mottled with medium brown; 5-10% fine to medium grained sand; moderate plasticity
		dry	0		10			CL	**Sandy CLAY**: medium brown; 55-60% fines; 40-45% medium grained sand; low plasticity
					12–13			SW	**Clayey Well Graded SANDS with gravels**: brown with orange mottling; 35-45% well graded sands; 25-30% fines; 10-15% gravels up to 0.5 cm in length
		moist	2		14–15			CL	**Lean CLAY**: medium gray; trace fine grained sands; moderate plasticity
		moist	3.1		20				Boring terminated 20 feet below grade

Delta

Environmental Consultants, Inc.

Project No:	SJ11-989-T	Client:	Shell Oil Products US	Boring No: B-4	
Logged By:	Heather Buckingham	Location:	11989 Dublin Blvd., Dublin	Page 1 of 1	
Driller:	Gregg	Date Drilled:	7/8/2005	Location Map	
Drilling Method:	Direct Push	Hole Diameter:	3"	Please see site map	
Sampling Method:	GeoProbe	Hole Depth:	20 ft		
Casing Type:		Well Diameter:			
Slot Size:		Well Depth:			
Gravel Pack:		Casing Stickup:			
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout		slighty damp	0.1	air knifed & hand augered	1			AF	Asphalt ~3" - 4"
								AF	Gravel (tank pit backfill)
					2			CL	**Lean CLAY**: dark brown ; ~5% fine grained sand, low plasticity
					3				
					4				
					5				
					6				
					7				
					8				
					9				
					10				
					11			CL	**Sandy Lean CLAY with Gravel**: medium brown with orange mottling; 20-30% well graded sand, 15% gravel ~0.5 cm
					12			CL	**Lean CLAY with Sand**: medium grey, 10-15% fine grained sand, moderate plasticity
					13				
					14				
			2.8		15				
					16				
					17				
		moist			18				
					19				
			2.0		20				Boring terminated 20 feet below grade
					21				
					22				

Delta
Environmental Consultants, Inc.

Project No:	SJ11-989-T	Client:	Shell Oil Products US	Boring No: B-5
Logged By:	Heather Buckingham	Location:	11989 Dublin Blvd., Dublin	Page 1 of 1
Driller:	Gregg	Date Drilled:	7/8/2005	
Drilling Method:	Direct Push	Hole Diameter:	3"	
Sampling Method:	GeoProbe	Hole Depth:	20 ft	
Casing Type:		Well Diameter:		
Slot Size:		Well Depth:		
Gravel Pack:		Casing Stickup:		
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
								AF	Asphalt ~3" - 4"
					1			AF	Gravel with Rocks 1-2"(tank pit backfill)
					2			CL	**Lean CLAY**: dark brown ; roots, trace gravels <0.5 cm; 10-15% fine grained sand, low plasticity
		dry		air knifed & hand augered	3				
					4				
			0.1		5				
Grout					6				
					7				
		damp			8				(as above, orange mottling)
					9				
					10				(as above, 10-15% gravels 0.5 cm in length)
					11				
					12				
					13				
					14			CL	**Lean CLAY**; grey, trace fine grained sand, moderate plasticity
			15.6		15				
					16				
					17				
		moist			18				
					19				
			7.6		20				Boring terminated 20 feet below grade
					21				
					22				

Delta
Environmental Consultants, Inc.

Project No:	SJ11-989-1	Client:	Shell Oil Products US	Boring: GP-3
Logged By:	RW	Location:	11887 Dublin Blvd	Page 1 of 2
Driller:	Gregg	Date Drilled:	11/4/2005	Location Map
Drilling Method:	Geoprobe	Hole Diameter:	2.5"	Please See Site Map
Sampling Method:	Direct Push	Hole Depth:	26 ft	
Casing Type:	-	Well Diameter:	-	
Slot Size:	-	Well Depth:	-	
Gravel Pack:	-	Casing Stickup:	-	
Elevation		Northing		Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
								AF	Asphalt and base rock
					1			CL	**Lean CLAY**; black, medium plasticity
		dry			2			CL	**Sandy Lean CLAY**, brown, ~5% gravel
		damp		Air Knife & Hand Auger	3			SP	**Poorly Graded SAND**; brown, 5-10% gravels, loose
					4				
					5			CL	**Sandy Lean CLAY;** brown, 25-35% medium grained sand, trace gravels
					6				(cobbles, 4" in diameter)
					7				
Grout					8				(5-10% gravels)
		dry	0.1		9				
					10				
					11				
					12				
					13				
		dry	0.1		14				
					15			CL	**Sandy Lean CLAY with Gravel**; brown, 25-35% fine to medium grained sand, 10-15% gravel
			0.1		16			CL	**Lean CLAY**; dark brown, 5-10% sand and gravels, roots and root holes
		damp			17				
					18				
					19				
					20				(1" sand layer)
		damp			21				
			0.1		22			CL	**Lean Clay with SAND**; dark brown, 15-20% medium to coarse sand and gravel, roots and root holes
		damp							

Delta
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Project No:	SJ11-989-1	Client:	Shell Oil Products US	Boring: GP-3	
Logged By:	RW	Location:	11887 Dublin Blvd	Page 2 of 2	
Driller:	Gregg	Date Drilled:	11/4/2005	Location Map	
Drilling Method:	Geoprobe	Hole Diameter:	2.5"	Please See Site Map	
Sampling Method:	Direct Push	Hole Depth:	26 ft		
Casing Type:	-	Well Diameter:	-		
Slot Size:	-	Well Depth:	-		
Gravel Pack:	-	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout	▼	moist			23			CL	**Sandy Lean Clay with Gravel**; tan, 15-20% 1/2 inch gravel
		moist			24			CL	**Sandy Lean CLAY**; tan, medium plasticity, 25-35% very fine sand, roots and root holes
		moist	0.1		25				
					26				Bottom of Boring at 26 ft
					27				
					28				
					29				
					30				
					31				
					32				
					33				
					34				
					35				
					36				
					37				
					38				
					39				
					40				
					41				
					42				
					43				
					44				

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC	BORING/WELL NAME	MW-1
JOB/SITE NAME	Dublin-11989	DRILLING STARTED	09-Jun-99
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	09-Jun-99
PROJECT NUMBER	240-0548	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	10"	SCREENED INTERVAL	5 to 20 ft bgs
LOGGED BY	J. Riggi	DEPTH TO WATER (First Encountered)	8.5 ft (09-Jun-99)
REVIEWED BY	A. Le May, RG	DEPTH TO WATER (Static)	6.24ft (20-Jul-99)
REMARKS	Hand augered to 5' bgs., well is 12' NW of dispenser island.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							FILL.	2.0	Portland Type I/II
							Silty Clayey SAND; (SC); brown; loose; damp; 25% clay, 15% silt, 60% fine grained sand; low plasticity; low estimated permeability.		Bentonite Seal
<0.40	8 10 11	MW-1 -5.0		5					Monterey Sand #3
<0.40	10 11 12	MW-1 -10.0		10	SC		@ 10' - medium dense.		4"-diam., 0.010" Slotted Schedule 40 PVC
<0.40	11 12 10	MW-1 -15.0		15			@ 15' - medium dense.		
<0.40	9 11 10	MW-1 -20.0		20			@ 20' - loose.	20.5	Bottom of Boring @ 20.5 ft

WELL LOG (TPH-G) G:\DUBLIN-1\GINT\DUB11989.GPJ DEFAULT GDT 11/18/99

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Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC	BORING/WELL NAME	MW-2
JOB/SITE NAME	Dublin-11989	DRILLING STARTED	08-Jun-99
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	08-Jun-99
PROJECT NUMBER	240-0548	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	10"	SCREENED INTERVAL	13 to 33 ft bgs
LOGGED BY	J. Riggl	DEPTH TO WATER (First Encountered)	23.0 ft (08-Jun-99)
REVIEWED BY	A. Le May, RG	DEPTH TO WATER (Static)	20.31ft (20-Jul-99)
REMARKS	Hand augered to 5' bgs., well is 35' East of existing Underground Storage Tank slab.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
			0		FILL: (FILL); brown; dry; 30% clay, 10% silt, 25% sand, 35% gravel; low plasticity; low estimated permeability.	2.0
			5		Silty Clayey SAND; (SC); brown; damp; 25% clay, 25% silt, 50% fine grained sand; low plasticity; low estimated permeability.	
<0.80	5 7 10	MW-2 -10.0	10	SC	@ 10' -loose; 25% clay, 20% silt, 55% fine grained sand.	
<0.80	8 7 12	MW-2 -15.0	15			17.5
<0.80	10 15 7	MW-2 -20.0	20	SC	Clayey SAND; brown to grey; damp to wet; medium dense; 25% clay, 15% silt, 40% fine to medium grained sand, 20% gravel; low plasticity; moderate estimated permeability.	22.5
<0.80	8 11 15	MW-2 -25.5	25	SC	Clayey SAND; (SC); brown; medium dense; wet; 25% clay, 10% silt, 65% fine grained sand; low plasticity; low estimated permeability.	
<0.80	10 11 14	MW-2 -30.0	30			33.0

WELL DIAGRAM

- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #3
- 4"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 33 ft

WELL LOG (TPH-G) G:\DUBLIN-1\GINT\DUB11989.GPJ DEFAULT.GDT 11/18/99

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Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC	BORING/WELL NAME	MW-3
JOB/SITE NAME	Dublin-11989	DRILLING STARTED	08-Jun-99
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	08-Jun-99
PROJECT NUMBER	240-0548	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	10"	SCREENED INTERVAL	13 to 33 ft bgs
LOGGED BY	J. Riggi	DEPTH TO WATER (First Encountered)	23.0 ft (08-Jun-99)
REVIEWED BY	A. Le May, RG	DEPTH TO WATER (Static)	24.23ft (20-Jul-99)
REMARKS	Hand augered to 5' bgs. Well is located in SE corner of station		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
							FILL.	
								2.0
							Clayey SAND; (SC); brown; damp; 25% clay, 10% silt, 65% fine to medium grained sand; low plasticity; low estimated permeability.	
				5				
<0.80	7 11 11	MW-3 -10.0		10			@ 10' -medium dense.	
<0.80	8 8 10	MW-3 -15.0		15			@ 15' -loose.	
					SC			
<0.80	7 13 20	MW-3 -20 0		20			@ 20' -medium dense.	
4.1	10 12 15	MW-3 -25 0		25			@ 25' -wet.	
1.39	9 8 12	MW-3 -30.0		30				
								33.0

WELL DIAGRAM

- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #3
- 4"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 33 ft

WELL LOG (TPH-G) G:\DUBLIN-1\GINT\DUB11989.GPJ DEFAULT.GDT 11/18/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	MW-4
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	26-Jul-01
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	26-Jul-01
PROJECT NUMBER	243-0548	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	364.24 ft above msl (rim)
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	364.01 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	20 to 34.9 ft bgs
LOGGED BY	S. Couch	DEPTH TO WATER (First Encountered)	24.0 ft (26-Jul-01)
REVIEWED BY	S. Bork, RG# 5620	DEPTH TO WATER (Static)	26.32 ft (17-Aug-01)
REMARKS	Hand augered to 5' bgs; located on east side of San Ramon Rd approximately 80' south of San Ramon/Dublin intersection.		

TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
							ASPHALT	0.3
							FILL; grayish brown; **5% silt, 80% fine** to medium sand, **15%** medium subangular to subrounded gravel; no plasticity; dry.	4.5
				5			**Clayey SILT**; brown; 30% clay, 50% silt, 20% fine to medium sand; medium plasticity; dry.	
				10	ML		@ 10 ft bgs - 35% clay, 50% silt, 10% fine sand, 5% fine subrounded gravel.	
				15			@ 15 ft bgs - 45% clay, 50% silt, 5% sand.	17.5
				20			**Silty CLAY**; brown; 50% clay, 45% silt, 5% fine sand; **medium** plasticity; moist.	
		MW-4-25.5		25	CL			
				30			@ 35 ft bgs - 65% clay, 30% silt, 5% fine sand; medium to high plasticity; wet.	
				35				35.0

WELL DIAGRAM

- Portland Type I/II
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 35 ft

WELL LOG (SHELL) G:\DUBLIN-1\GINT\DUB11988.GPJ DEFAULT.GDT 9/25/01

Delta

Environmental Consultants, Inc.

Project No:	SJ11-989-1	Client:	Shell Oil Products US	Well No: MW-5
Logged By:	Rebecca Wolff	Location:	11989 Dublin Blvd, Dublin	Page 1 of 2
Driller:	Gregg Drilling	Date Drilled:	12/19/2005	
Drilling Method:	HSA	Hole Diameter:	8"	
Sampling Method:	Split Spoon	Hole Depth:	32'	
Casing Type:	Sch 40 PVC	Well Diameter:	2"	
Slot Size:	0.01	Well Depth:	32'	
Gravel Pack:	2/12 Sand	Casing Stickup:	N/A	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Cement								AF	< 6" of asphalt
		dry moist	0.1	Air Knife & Hand Auger	1–3			CL	**Lean CLAY**; dark brown, 5-15% sand, slight plasticity, presence of small roots
					4			CL	(air knife had trouble penetrating soil as the clay grew more dense; water knife was also used) (sweet smelling odors detected ~4.5')
		dry	0.1		5–7			SC	**Clayey SAND**; medium brown, 20-30% clay, fine to very fine grained sand, no plasticity, presence of larger roots
		dry damp	0.1	6 12 14	8–10			CL	**Lean CLAY with sand**; brown, 15-25% fine grained sand, trace small gravels and roots, silty
		dry	0.1	6 12 21	11–15				(same as above, abundant root holes) (increase in siltyness)
Bentonite		dry	0.1	7 13 18	16–20			ML	**Sandy SILT**; brown, 35-45% fine sand, trace clay, trace gravels roots and root holes; 1/4" root holes and voids
Sand					21–22				

Delta
Environmental Consultants, Inc.

Project No:	SJ11-989-1	Client:	Shell Oil Products US	Well No:	MW-5
Logged By:	Rebecca Wolff	Location:	11989 Dublin Blvd, Dublin	Page	2 of 2
Driller:	Gregg Drilling	Date Drilled:	12/19/2005	Location Map	
Drilling Method:	HSA	Hole Diameter:	8"	Please see site map	
Sampling Method:	Split Spoon	Hole Depth:	32'		
Casing Type:	Sch 40 PVC	Well Diameter:	2"		
Slot Size:	0.01	Well Depth:	32'		
Gravel Pack:	2/12 Sand	Casing Stickup:	N/A		
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Sand	▼	dry	0.1	4 8 13	23–25			CL	**Lean CLAY**; dark brown, 5-15% fine to medium grained sand, trace small gravels, root holes
	▽				26–28				
		moist wet		4 7 10	29–30			CL	**Lean CLAY**; grey, high plasticity, trace sand, trace caliche, root holes
					31				
					32				Bottom of boring @ 32 feet
					33–45				

Delta

Environmental Consultants, Inc.

Project No: SJ11-989-1	Client: Shell	MW-6	
Logged By: Heather Buckingham	Location: 7950 Dublin Blvd., Dublin, CA	Page 1 of 2	
Driller: Gregg Drilling and Testing	Date Drilled: 06/30/06	Location Map	
Drilling Method: HAS	Hole Diameter: 8"	See Site Map	
Sampling Method: Splitspoon	Hole Depth: 30'		
Casing Type: Sch 40 PVC	Well Diameter: 2"		
Slot Size: 0.010	Well Depth: 30'		
Gravel Pack: 2/12 sand	Casing Stickup:		
Elevation	Northing	Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery / Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout					1			**Asphalt.**
		damp	0.1	Air Knife	2		CL	**Sandy Lean CLAY**; dark brown to black; 30-40% medium to fine sand; medium to high plasticity; less than 10% silt.
					3			
					4			As above; brown; medium plasticity.
					5			
		damp	0.1		6			
					7			
					8			
		damp		4 7 7	9			As above; trace coarse sand.
					10			
					11			
					12			
					13			
		damp		7 12 12	14			As above; no trace coarse grained sand.
					15			
Bentonite					16			
					17			
					18			
Sand		damp		6 6 16	19		CL	**Lean CLAY with Sand**; medium brown; 10-20% fine sand; medium plasticity.
					20			
					21			
					22			

Delta

Environmental Consultants, Inc.

Project No: SJ11-989-1	Client: Shell	MW-6
Logged By: Heather Buckingham	Location: 7950 Dublin Blvd., Dublin, CA	Page 2 of 2
Driller: Gregg Drilling and Testing	Date Drilled: 06/30/06	Location Map: See Site Map
Drilling Method: HAS	Hole Diameter: 8"	
Sampling Method: Splitspoon	Hole Depth: 30'	
Casing Type: Sch 40 PVC	Well Diameter: 2"	
Slot Size: 0.010	Well Depth: 30'	
Gravel Pack: 2/12 sand	Casing Stickup:	
Elevation	Northing	Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Sand		moist		5 6 7	23 24 25			CL	**Lean CLAY**; medium brown; medium to high plasticity; trace coarse grained sand.
					26 27				
		wet		10 11 11	28 29 30			SC CL	**Clayey Sand**; gray; 25-35% clay; 65-75% fine poorly graded sand. **Lean CLAY**; medium brown; medium to high plasticity; trace coarse grained sand.
					31				**Bottom of boring at 30 feet.**

Delta
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Project No: SJ11-989-1	Client: Shell	MW-7	
Logged By: Rebecca Wolff	Location: 7944 Dublin Blvd., Dublin, CA	Page 1 of 4	
Driller: Gregg Drilling and Testing	Date Drilled: 07/03/06	Location Map	
Drilling Method: HAS	Hole Diameter: 10"	See Site Map	
Sampling Method: Splitspoon	Hole Depth: 70'		
Casing Type: Sch 40 PVC	Well Diameter: 4"		
Slot Size: 0.010	Well Depth: 70'		
Gravel Pack: 2/12 sand	Casing Stickup:		
Elevation	Northing	Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery / Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout					0			**Asphalt.**
					1			
					2		CL	**Sandy Lean CLAY**; dark brown to black; 30-40% medium to fine sand.
				Air Knife	3			
					4			As above; brown; medium plasticity.
					5			
					6			
					7			
					8			
		damp	0.1	10 10 10	9 10		SM	**Silty SAND**; brown; fine and very fine sand; 35-45% silt; abundant root holes; medium dilatancy; medium dense.
					11			
					12			
	12.7				13			
		damp	0.1	10 11 15	14 15		SM	As above; 10-20% clay; trace fine gravel.
					16			
					17			
					18			
		damp	0.2	7 10 15	19 20		CL	**Lean CLAY**; dark brown; 5-15% fine to medium sand; trace gravel; medium dilantancy; root holes; hard.
					21			
					22			

Delta

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Project No: SJ11-989-1	Client: Shell	MW-7	
Logged By: Rebecca Wolff	Location: 7944 Dublin Blvd., Dublin, CA	Page 2 of 4	
Driller: Gregg Drilling and Testing	Date Drilled: 07/03/06	Location Map	
Drilling Method: HAS	Hole Diameter: 10"	See Site Map	
Sampling Method: Splitspoon	Hole Depth: 70'		
Casing Type: Sch 40 PVC	Well Diameter: 4"		
Slot Size: 0.010	Well Depth: 70'		
Gravel Pack: 2/12 sand	Casing Stickup:		
Elevation	Northing	Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout					23			CL	
		damp	0.1	4 5 6	24				As above; stiff; trace silt.
					25				
					26				
					27				
					28				
		damp/ moist	477	7 7 8	29			CL	**Sandy Lean CLAY**; brown with gray mottling; 30-40% medium sand; trace gravel; some root holes.
					30				
					31				
					32				
					33				**Clayey GRAVEL with SAND**; brown with gray fine gravel;
				5	34			GC	15-25% coarse sand; 20-30% clay.
		wet/ moist	5.5	7 8	35			CL	**Lean CLAY**; tan with gray mottling; 30-40% medium sand; trace gravel; some root holes.
					36				
					37				
					38				
				5	39			CL	As above; 0-10% medium sand; caliche;no mottling.
		damp	0.7	5 8	40				
					41				
					42				
					43				
				9	44			CL	As above; dark brown; 0-10% medium sand; trace
		damp	0.2	9					gravels; no caliche; some root holes; stiff; medium

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Project No: SJ11-989-1	Client: Shell	MW-7	
Logged By: Rebecca Wolff	Location: 7944 Dublin Blvd., Dublin, CA	Page 3 of 4	
Driller: Gregg Drilling and Testing	Date Drilled: 07/03/06	Location Map	
Drilling Method: HAS	Hole Diameter: 10"	See Site Map	
Sampling Method: Splitspoon	Hole Depth: 70'		
Casing Type: Sch 40 PVC	Well Diameter: 4"		
Slot Size: 0.010	Well Depth: 70'		
Gravel Pack: 2/12 sand	Casing Stickup:		
Elevation	Northing	Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout				9	45				plasticity.
					46				
					47				
					48				
				6	49			CL	As above; tan with brown mottling; 5-15% medium and fine sand.
		damp	0.1	6					
				6	50				
					51				
					52				
					53				
				8	54			CL	As above; gray with brown mottling; 0-10% fine sand; silty.
		damp	0.1	8					
				8	55				
Bentonite					56				
					57				
					58				
				7	59			CL	
		wet	0.3	8					
				9	60			SC	**Clayey SAND with Gravel**; brown; 15-25% fine gravel; 20-30% clay; medium sand.
					61				
Sand					62				
					63				
				4	64			SW	**Well Graded SAND with Gravel**; medium to very coarse sand; medium to very coarse gravels at the bottom; less than 10% fines.
		wet		4					
				4	65				
					66				

Delta

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Project No: SJ11-989-1	Client: Shell	MW-7	
Logged By: Rebecca Wolff	Location: 7944 Dublin Blvd., Dublin, CA	Page 4 of 4	
Driller: Gregg Drilling and Testing	Date Drilled: 07/03/06	Location Map	
Drilling Method: HAS	Hole Diameter: 10"	See Site Map	
Sampling Method: Splitspoon	Hole Depth: 70'		
Casing Type: Sch 40 PVC	Well Diameter: 4"		
Slot Size: 0.010	Well Depth: 70'		
Gravel Pack: 2/12 sand	Casing Stickup:		
Elevation	Northing	Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Sand		wet		12 18 21	67 68 69 70		▲ ▼	SW	As above. **Bottom of Boring at 70 feet**
					71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88				