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9:33 am, Apr 22, 2009

Alameda County  
Environmental Health

April 20, 2009

Ms. Paresh Khatri  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**RE: SITE CONCEPTUAL MODEL**

Delta Project No. C107176  
RO#0482  
AOC 1635

Dear Mr. Khatri:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting this *Site Conceptual Model* (see attached), as per your letter entitled *Fuel Leak Case No. R00000482 and GeoTracker Global ID T0600101883, UNOCAL #7176, 7850 Amador Valley Boulevard, Dublin, CA 94568*, dated February 20, 2009.

**Service Station**

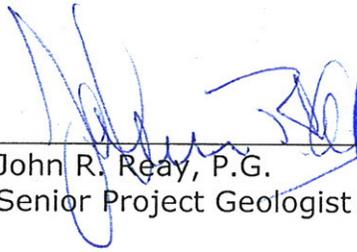
**Location**

76 Service Station No. 7176

7850 Amador Valley Blvd  
Dublin, California

Sincerely,

**DELTA CONSULTANTS**

  
\_\_\_\_\_  
John R. Reay, P.G.  
Senior Project Geologist



cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

**ConocoPhillips  
Initial Site Conceptual Model  
76 Service Station No. 7176  
7850 Amador Valley Blvd, Dublin, CA**

Explanation of abbreviations at bottom of table.

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
<b>Regional Setting</b>	<p><b>Geology/Stratigraphy</b> The sediments underlying the Livermore Valley Basin consist of recent alluvium of Pleistocene to Pliocene age, comprised of thick gravel deposits, interbedded with sand and clay. The Calaveras Fault is located approximately 1/2-mile west of the site which may have a regional effect of groundwater (Engineering Associates, <i>Exxon Service Station</i>, dated February 1992).</p>		<p><a href="#">Site Location Map</a> (Figure 1) <a href="#">Regional Geologic Map</a> (Figure 2) <a href="#">Regional Geologic Sections</a> (Figure 3)</p>	<p><i>Enviros Preliminary Subsurface Investigation</i> (October 1995)</p>			
	<p><b>Hydrogeology</b> The site is located within the Dublin subbasin, which is the west part of the Livermore Valley Basin at the foot of the Dublin Hills. The area is part of the San Francisco Bay Hydrologic Region. The entire floor of Livermore Valley and portions of the upland areas on all sides of the valley are groundwater-bearing materials. The materials are continental deposits from alluvial fans, outwash plains, and lakes. They include valley-fill materials, the Livermore Formation, and the Tassajara Formation. Under most conditions, the valley-fill and Livermore sediments yield adequate to large quantities of groundwater to all types of wells. The quality of water produced from these rocks ranges from poor to excellent, with most waters in the good to excellent range.</p>		<p><a href="#">Subbasin Map 1</a> (Figure 4) <a href="#">Subbasin Map 1B</a> (Figure 4B) <a href="#">Subbasin Map 2</a> (Figure 5) <a href="#">Zone 7 Groundwater Contour Map</a> (Figure 6)</p>	<p><i>San Francisco Bay Hydrologic Region, California's Groundwater Update 2003, DWR Bulletin 118</i>  <i>San Francisco Bay Hydrologic Region, Livermore Valley Groundwater Subbasin, California's Groundwater Bulletin 118</i></p>			
	<p><b>Preferential Pathways</b> <u>Underground Utilities</u> - An underground utility survey of the adjacent area indicates that the storm drain located below the east curb along Regional Street is located approximately 5.5 to 7.5 feet below grade (fbg). All other utilities (sewer, water, electrical, telephone) are located between 2.5 and 6 fbg. The shallowest historical depth to ground water reported is 12.20 fbg. Therefore, there is approximately 5 feet of separation between the bottom of the deepest utility and the shallowest reported depth to ground water. Based on these data, the utility trenches surveyed do not intercept the ground water surface and would not provide a preferential pathway for petroleum hydrocarbon migration.  <u>Sensitive Receptors</u> - A Sensitive Receptor Survey was done by Delta in June 2007. Department of Water Resources (DWR) well log records were reviewed in order to determine the location of any water-supply wells in the vicinity of the subject site. Using the DWR well logs, a total of 28 water supply wells (Table 2) were identified as being within a one-mile radius of the subject site. Water supply well locations located within the survey area are shown in the Sensitive Receptor Locator (Figure 1). Historically the groundwater flow direction at the site has been towards the southeast, shown in a groundwater flow rose diagram (Figure 7). The closest down-gradient well is a cathodic protection well located approximately 0.8 miles southeast of the</p>	<p><a href="#">Sensitive Receptor Table</a> (Table 2)</p>	<p><a href="#">Sensitive Receptor Locator</a> (Figure 1) <a href="#">Groundwater Flow Rose Diagram</a> (Figure 7)</p>	<p><i>Enviros Work Plan - Subsurface Investigation</i> (June 1996)  <i>Delta Sensitive Receptor Survey</i> (June 2007)</p>	<p>While the June 1996 <i>Enviros</i> work plan references an underground utility survey, a map of said survey is not included in their report.</p>	<p>Have a current site utility locate done.</p>	

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
	<p>site. The closest water supply well is a domestic well located approximately 0.4 miles southwest of the site.</p> <p>Other wells located in the vicinity of the site include monitoring wells and wells whose associated DWR logs contained inadequate information to establish their precise location and/or well type.</p>						
	<p><b>Nearby Release Sites</b></p> <p>Exxon#7-0210, 7840 Amador Valley Blvd, Dublin, CA. Operating service station east of site across Regional St. Case closed.</p> <p>Exxon#7-6210, 7840 Amador Valley Blvd, Dublin, CA. Operating service station east of site across Regional St. Case closed.</p> <p>Crow Canyon Cleaners, 7242 San Ramon Rd, Dublin, CA. Operating Dry Cleaner, southwest of site on San Ramon Rd, between Amador Valley and Dublin Blvd. Case Closed.</p> <p>Target Store, Inc, 7608 Amador Valley Blvd, Dublin, CA. Operating retail store northeast of the site near the corner of Amador Valley and Donahue Dr. Case Closed.</p> <p>Amador Valley Medical Clinic, 7667 Amador Valley Blvd, Dublin, CA. Operating medical facility northeast of the site near the corner of Amador Valley and Stewart Dr. Case closed.</p> <p>Auto Parts Store, 7100 Regional St, Dublin, CA. Operating auto parts retail store south of the site at the corner of Regional and Dublin Blvd. Case closed.</p> <p>Dublin Retail Center, 7900 Dublin Blvd, Dublin, CA. Operating retail store south of the site at the corner of Regional and Dublin Blvd. Case closed.</p> <p>Chevron#9-5542, 7007 San Ramon Rd, Dublin, CA. Operating service station southwest of the site at the corner of San Ramon and Regional. Case open.</p>		<p><a href="#">Nearby Release Map</a> (Figure 8)</p> <p><a href="#">Regulatory History – Nearby Release Sites</a> (Attachment A)</p>	<p>GeoTracker</p> <p>Google Maps</p>			

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
Site Setting	<p><b>Site Geology</b> Native soils encountered beneath the site in the unsaturated zone are alluvial sediments consisting of silty clays (CL), clayey and sandy silts (ML), and silty sands (SM). A thin layer of gravel with silt and sand/clay (GW-GM, GW-GC) was encountered below the unsaturated zone at first encountered groundwater. Soils encountered below the gravel layer consisted of silty to sandy clays (CL) to the total explored depth of 30 fbg. Contacts between lithologies appear to be gradational. Horizontal and vertical distribution appears to be heterogeneous beneath the subject property. The shallow water bearing zone appears to primarily consist of silty clay (CL) with a thin layer of gravel with silt and sand/clay (GW-GM, GW-GC). The groundwater appears to be confined by the relatively impervious clays above the gravels. These indications suggest a semiconfined or confined water table condition. Monitoring well groundwater elevations and well construction details are summarized in Table I. Groundwater elevation data collected during the investigation indicate that groundwater flow beneath the site is toward the southeast at an approximate gradient of 0.013 foot per foot (ft/ft).</p> <p>Site Plan with cross section lines and cross sections were created by Delta for this report.</p>		<p><a href="#">Boring Logs</a> (Attachment B)</p> <p><a href="#">Site Plan with Cross Section Lines</a> (Figure 10)</p> <p><a href="#">Cross Sections</a> (Figure 11)</p>	<p>Enviros <i>Preliminary Soil and Groundwater Investigation</i> (October 1995)</p> <p>ERI <i>Supplemental Evaluation and Investigation Report</i> (August 1998)</p>			
	<p><b>Groundwater Conditions</b> Depth to groundwater was initially measured during drilling as between 17 and 19 fbg at U-1, U-2, and U-3. During drilling of MW-4 and MW-5, depth to ground water was measured at 12.5 and 11 fbg, respectively. All were installed with 2 inch casing. Following completion and development, the first recorded depth to static for wells U-1 through 3 was 12.59 to 14.58 feet below top of casing (TOC) on July 8, 1995. First recorded depth to static for MW-4 through 5 was 12.11 and 11.15 feet below TOC respectively, recorded on April 23, 1998. Current static groundwater levels from the most recent sampling event (September 2, 2008) range from 16.97 to 19.32 feet below TOC. The groundwater flow direction has been almost exclusively southeastern since 1995. The gradient recorded in the most recent sampling event is .004 ft/ft southeast.</p>		<p><a href="#">Groundwater Flow Rose Diagram</a> (Figure 7)</p>	<p>TRC <i>Semi-Annual Report – April through September 2008</i> (October 2008)</p> <p>ERI <i>Supplemental Evaluation and Investigation Report</i> (August 1998)</p> <p>Enviros <i>Preliminary Soil and Groundwater Investigation</i> (October 1995)</p>			
	<p><b>Source Area</b> November 1994 - Unocal Corporation (Unocal) replaced the fuel underground storage tanks (USTs), removed the used-oil UST and associated product piping, and removed the oil/water separator. No holes or signs of leakage were observed in the fuel USTs, however, eight holes up to 0.5-inches in diameter were observed in the used oil UST.</p> <p>Approximately 1,860 cubic yards of petroleum hydrocarbon impacted soils and 5,000 gallons of impacted ground water were removed from the site during UST replacement activities. Due to excavation constraints, however, residual petroleum hydrocarbons remain beneath the former USTs and the southern</p>	<p><a href="#">Groundwater Levels Tables</a> (Table 1)</p>	<p><a href="#">Site Plan w/ Monitoring Well Locations</a> (Figure 9)</p>	<p>Delta <i>Fourth Quarter 2008 – Quarterly Status Report</i> (February 2009)</p> <p>Enviros <i>Work Plan – Subsurface Investigation</i> (June 1996)</p> <p>Enviros <i>Preliminary Soil and Groundwater Investigation</i> (October 1995)</p>			

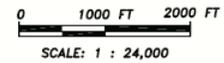
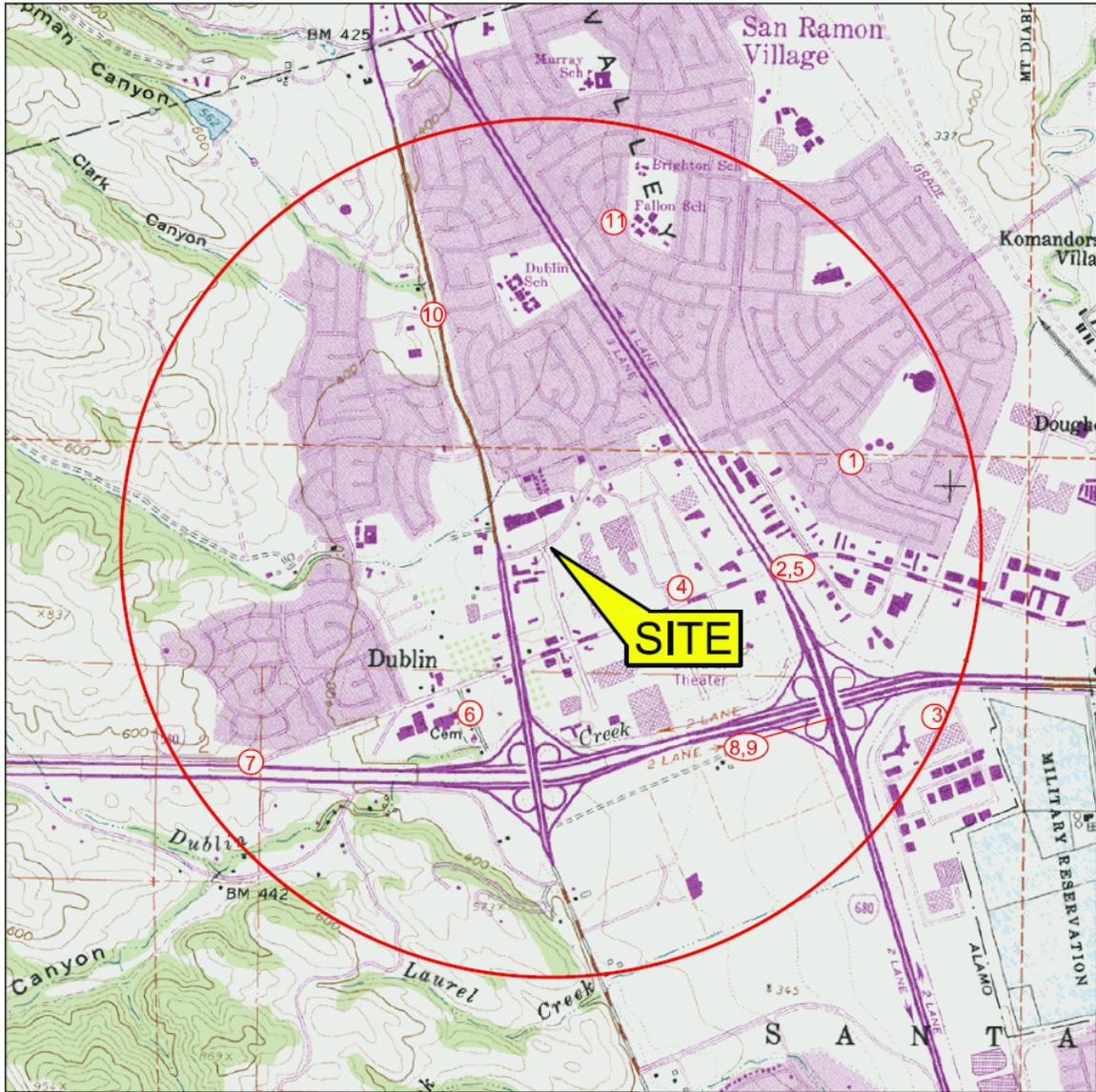
	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
	dispenser island			<p>ERI <i>Supplemental Evaluation and Investigation Report</i> (August 1998)</p> <p>Enviros <i>Storage Tank Replacement Observation Report</i> (March 1995)</p>			
	<p><b>Dissolved Plume</b>            Petroleum hydrocarbon concentrations in groundwater samples have varied over the course of monitoring at the site, generally decreasing with time. The highest total petroleum hydrocarbons as gasoline (TPH-G) concentrations range from 1,100 µg/l (U-3) to 39,000 µg/l (U-1), the highest MTBE concentrations range from non-detect (U-3) to 790 µg/l (U-1); the highest benzene concentrations range from 0.53 µg/l (MW-5) to 1500 µg/l (U-1). Monitor well MW-5 is the most downgradient well, while U-3 is the furthest away laterally to gradient.</p> <p>During the 5 sampling events of 2007 and 2008 at the site, the highest concentrations were seen in well U-1. THP-G ranged from 2,300 – 3,700 µg/l, MTBE ranged from non-detect (ND) – 2.4, and Benzene ranged from ND – 0.88.</p> <p>U-3 has been below laboratory reporting limits across the board since July 2005.</p>	<p><a href="#">Groundwater Analytical Tables</a> (Table 1)</p>	<p><a href="#">Site Plans with Contamination Levels and Contours</a> (Attachment F)</p>	<p>TRC <i>Semi-Annual Report – April through September 2008</i> (October 2008)</p>			
	<p><b>Remediation</b>            In November 1994, four underground storage tanks (USTs) and related product lines and dispensers were removed. One sand/water separator was also decommissioned. Three fuel USTs and related product lines and dispensers were later installed during station remodeling. Approximately 1,860 cubic yards of petroleum hydrocarbon impacted soils and 5,000 gallons of impacted ground water were removed from the site during UST replacement activities. Due to excavation constraints, however, residual petroleum hydrocarbons remain beneath the former USTs and the southern dispenser island. An on-site subsurface investigation was conducted in July 1995. Three monitoring wells (U-1 through U-3) and six soil borings (B-1 through B-6) were drilled. Soil sampling results indicated that no petroleum hydrocarbons were detected in borings B-2, B-4, and Well U-3. Ground water sample B-2 was ND for all petroleum hydrocarbons. The remaining soil and ground water samples, however, contained detectable concentrations of petroleum hydrocarbons. Oxygen Releasing Compound (ORC) was installed in each well upon completion of the Fourth Quarter 1995 sampling event. Quarterly groundwater sampling indicates that, petroleum hydrocarbon concentrations have steadily decreased with time. Historically, the depth to groundwater ranges from</p>	<p><a href="#">Tank Removal Soil Analytical Tables</a> (Attachment C)</p> <p><a href="#">1995 MW Install Soil Analytical Tables</a> (Attachment D)</p> <p><a href="#">1998 MW Install Soil Analytical Table</a> (Attachment E)</p>	<p><a href="#">Tank Removal Soil Sample Locations</a> (Attachment C)</p> <p><a href="#">1995 MW Install Soil Sample Locations</a> (Attachment D)</p>	<p>Enviros <i>Work Plan – Subsurface Investigation</i> (June 1996)</p>			

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
	approximately 12 to 18 fbg and the groundwater flow direction is toward the southeast.						
	<p><b><u>Evaluation of potential impacts to water supply wells</u></b>  The nearest water supply well is a domestic well located 2112 feet southwest of the site, at 6600 Donlon Way.</p> <p>This well is crossgradient to the site, and the potential for impact from petroleum hydrocarbon contaminated groundwater is low.</p>			Delta Sensitive Receptor Survey (June 2007)			
	<p><b><u>Work Plans</u></b>  A Work Plan will be prepared to cover all data gaps identified by this report.</p>						

Abbreviations

DWR = California Department of Water Resources  
Zone 7 = Zone 7 Water District  
TPH-G = Total Purgeable Hydrocarbons as Gasoline  
MTBE = methyl tert-butyl ether  
Blvd. = Boulevard  
Ave. = Avenue  
bgs = below ground surface  
bg = below grade  
fbg = feet below grade  
µg/l = micrograms per liter  
TOC = top of casing  
ft/ft = foot per foot  
ND = non detect

## FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, DUBLIN QUADRANGLE, 1967

**FIGURE 1**

**SITE LOCATOR SENSITIVE RECEPTOR MAP**

**76 STATION NO. 7176  
7850 AMADOR VALLEY BOULEVARD  
DUBLIN, CALIFORNIA**

PROJECT NO. C107-176	DRAWN BY JH 12/12/06
FILE NO. Site Locator 7176	PREPARED BY JH
REVISION NO.	REVIEWED BY

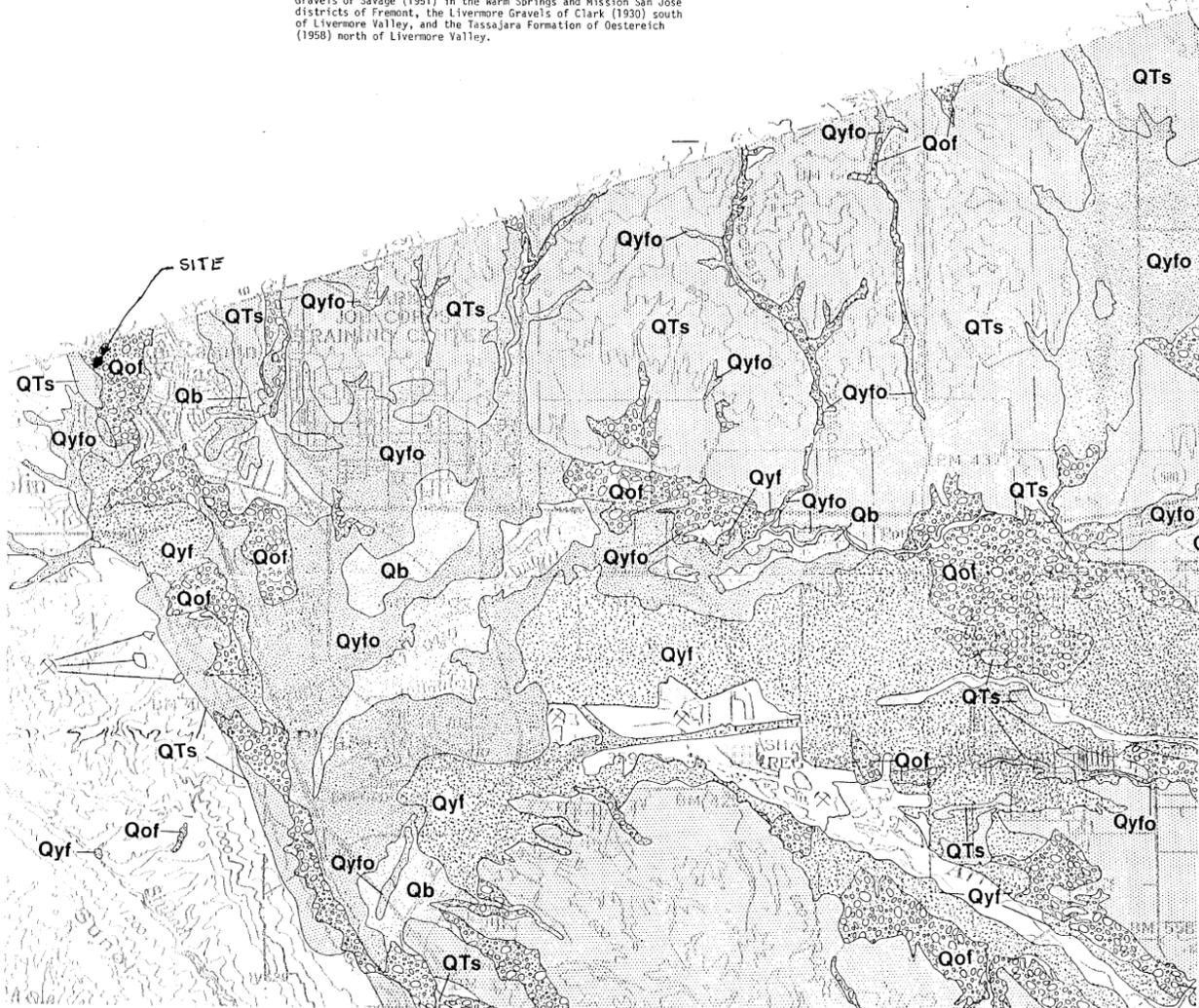
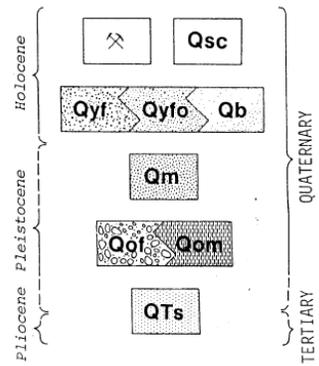


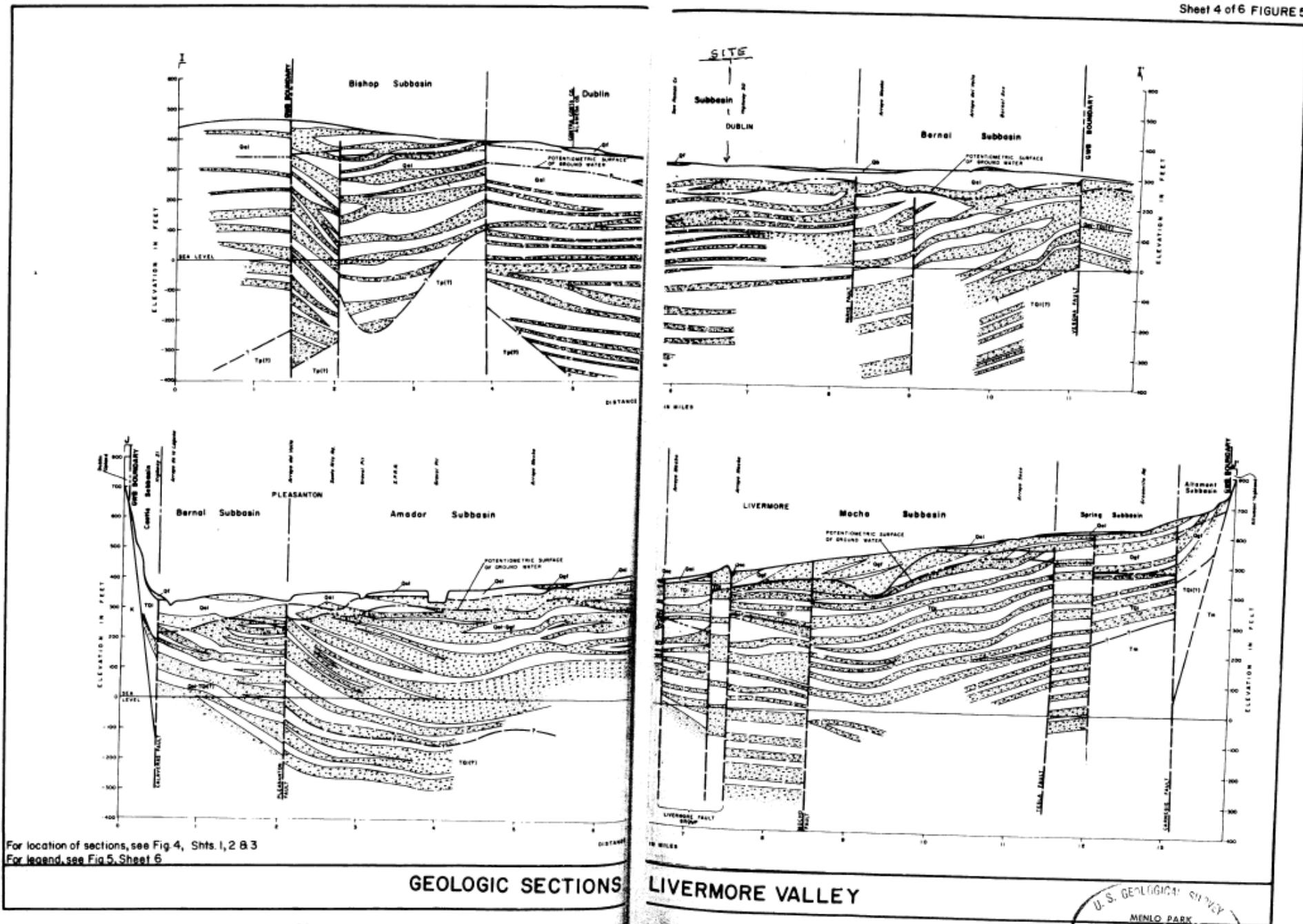
DESCRIPTION OF UNITS

-  GRAVEL PITS
- Qsc** STREAM CHANNEL MATERIAL -- Mainly loose, well-sorted sand and gravel. This material is presently being transported during periods of normal runoff.
- Qyf** YOUNGER ALLUVIAL FAN DEPOSITS -- Includes colluvial fill in narrow canyons. Unconsolidated, moderately sorted, permeable fine sand and silt, with gravel becoming more abundant toward fan heads and within canyons. Forms well-drained levees which grade headward to stream deposits on terraces cut in Qof. Thickness varies from as much as 50 feet at fan heads and in canyons to about 20 feet where Qyf inter-fingers with Qyfo and Qb at the outer margins of fans. Locally contains aboriginal artifacts and skeletal remains.
- Qyfo** YOUNGER FLUVIAL DEPOSITS -- Unconsolidated deposits of fine, but variable grain size--mainly fine sand, silt, and silty clay; intermediate in character and lateral extent between Qb and Qyf. Forms levees and overbank deposits along the San Francisco Bay margin and in Livermore Valley, as well as valley fill in some open canyons. May be in part windblown in the southwestern part of the county. Generally less than 15 feet thick. Overbank deposits locally contain minor amounts of organic matter including fresh-water gastropods and pelecypods.
- Qb** INTERFLUVIAL BASIN DEPOSITS -- Plastic, poorly sorted, organic-rich clay and silty clay in poorly drained areas marginal to the bay and in Livermore Valley. Interfingers with Qyf, Qyfo, and recent mud of San Francisco Bay. Generally less than 10 feet thick. Locally contains fresh-water gastropods and pelecypods.
- Qm** MERRITT SAND -- Loose, fine-grained, very well sorted beach and wind-blown sand at Alameda Island and adjacent bay margin near Oakland (Lawson, 1914).
- Qof** OLDER ALLUVIAL FAN DEPOSITS -- Includes stream terrace deposits in some narrow canyons and on the margins of Livermore Valley. Weathered, weakly consolidated, poorly sorted silt sand and gravel (generally fine grained in northeastern Livermore Valley owing to derivation from friable sandstone bedrock). Less permeable and more poorly drained than younger alluvial fan deposits. Maximum thickness unknown but at least several hundred feet thick near bay margin. Headward portions overlapped by younger deposits on southern bay margin and incised by channels that are partially filled with younger deposits on northern bay margin and in Livermore Valley. Locally contains concentrations of continental vertebrate and invertebrate fossils. Includes the San Antonio Formation of Lawson (1914).
- Qom** OLDER MUD -- Dark, plastic, semiconsolidated, organic-rich clay and silty clay. Interfingers with Qof. Maximum thickness is unknown but greater than 50 feet near bay margin. Underlies recent mud of San Francisco Bay and locally underlies younger alluvial deposits on bay margin. Locally contains continental vertebrate fossils, fresh-water invertebrate fossils, and plant remains.
- QTs** DEFORMED OLDER SEDIMENTARY DEPOSITS -- Poorly consolidated to semiconsolidated alluvial deposits of gravel, sand, silt and clay with subordinate fine-grained lacustrine deposits; locally tuffaceous; locally contains abundant remains of continental vertebrate and invertebrate fossils. Maximum thickness unknown but over 5,000 feet in the hills south of Livermore Valley. Includes the Irvington Gravels of Savage (1951) in the Warm Springs and Mission San Jose districts of Fremont, the Livermore Gravels of Clark (1930) south of Livermore Valley, and the Tassajara Formation of Oesterreich (1958) north of Livermore Valley.

FIGURE 2

CORRELATION OF UNITS





For location of sections, see Fig 4, Shts. 1, 2 & 3  
 For legend, see Fig 5, Sheet 6

GEOLOGIC SECTIONS

LIVERMORE VALLEY



FIGURE 3

## Basins and Subbasins of the San Francisco Bay Hydrologic Region

Basin/subbasin	Basin name
2-1	Petaluma Valley
2-2	Napa-Sonoma Valley
2-2.01	Napa Valley
2-2.02	Sonoma Valley
2-2.03	Napa-Sonoma Lowlands
2-3	Suisun-Fairfield Valley
2-4	Pittsburg Plain
2-5	Clayton Valley
2-6	Ygnacio Valley
2-7	San Ramon Valley
2-8	Castro Valley
2-9	Santa Clara Valley
2-9.01	Niles Cone
2-9.02	Santa Clara
2-9.03	San Mateo Plain
2-9.04	East Bay Plain
2-10	Livermore Valley
2-11	Sunol Valley
2-19	Kenwood Valley
2-22	Half Moon Bay Terrace
2-24	San Gregorio Valley
2-26	Pescadero Valley
2-27	Sand Point Area
2-28	Ross Valley
2-29	San Rafael Valley
2-30	Novato Valley
2-31	Arroyo Del Hambre Valley
2-32	Visitacion Valley
2-33	Islais Valley
2-35	Merced Valley
2-36	San Pedro Valley
2-37	South San Francisco
2-38	Lobos
2-39	Marina
2-40	Downtown San Francisco

Figure 27 San Francisco Bay Hydrologic Region

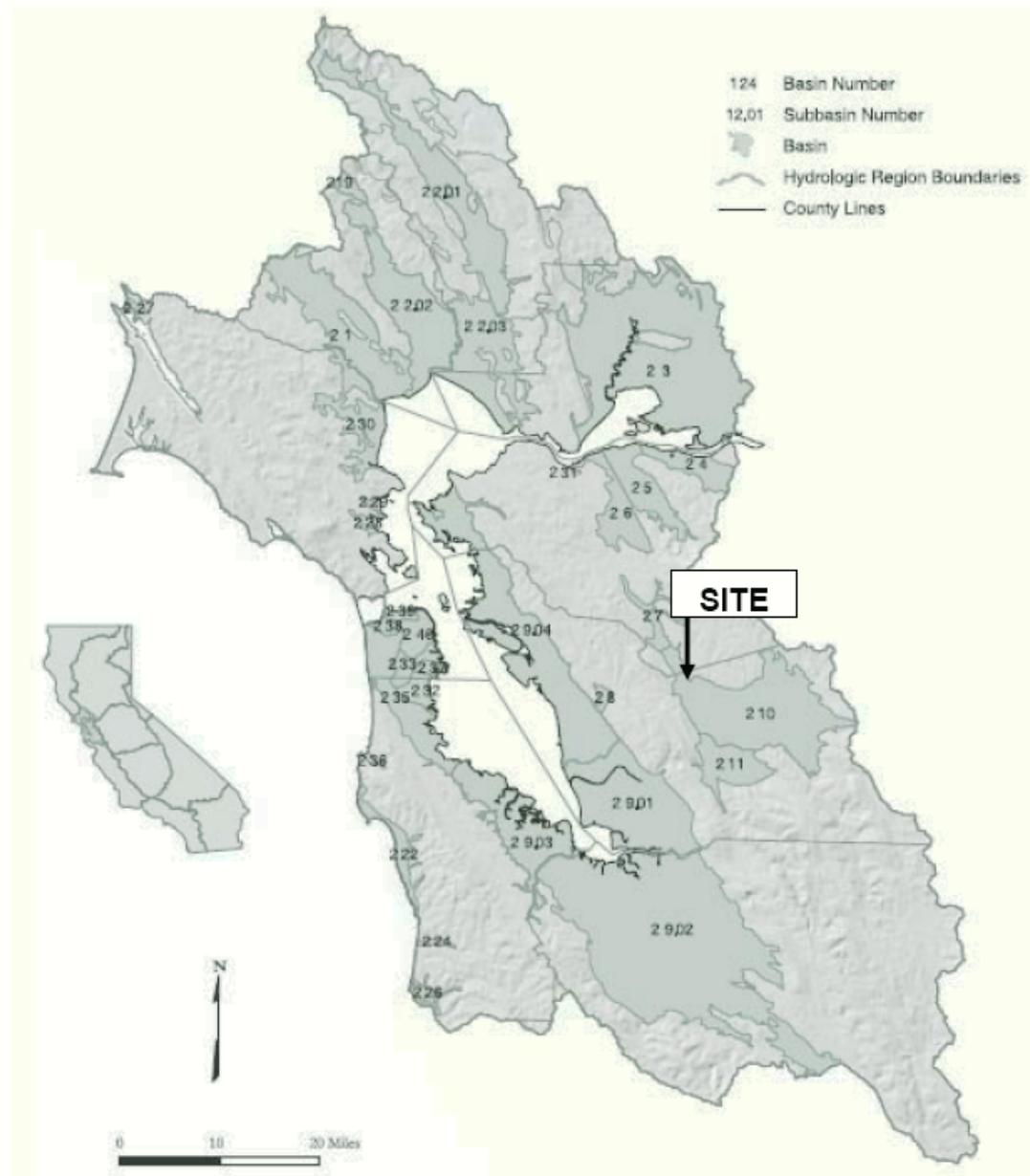
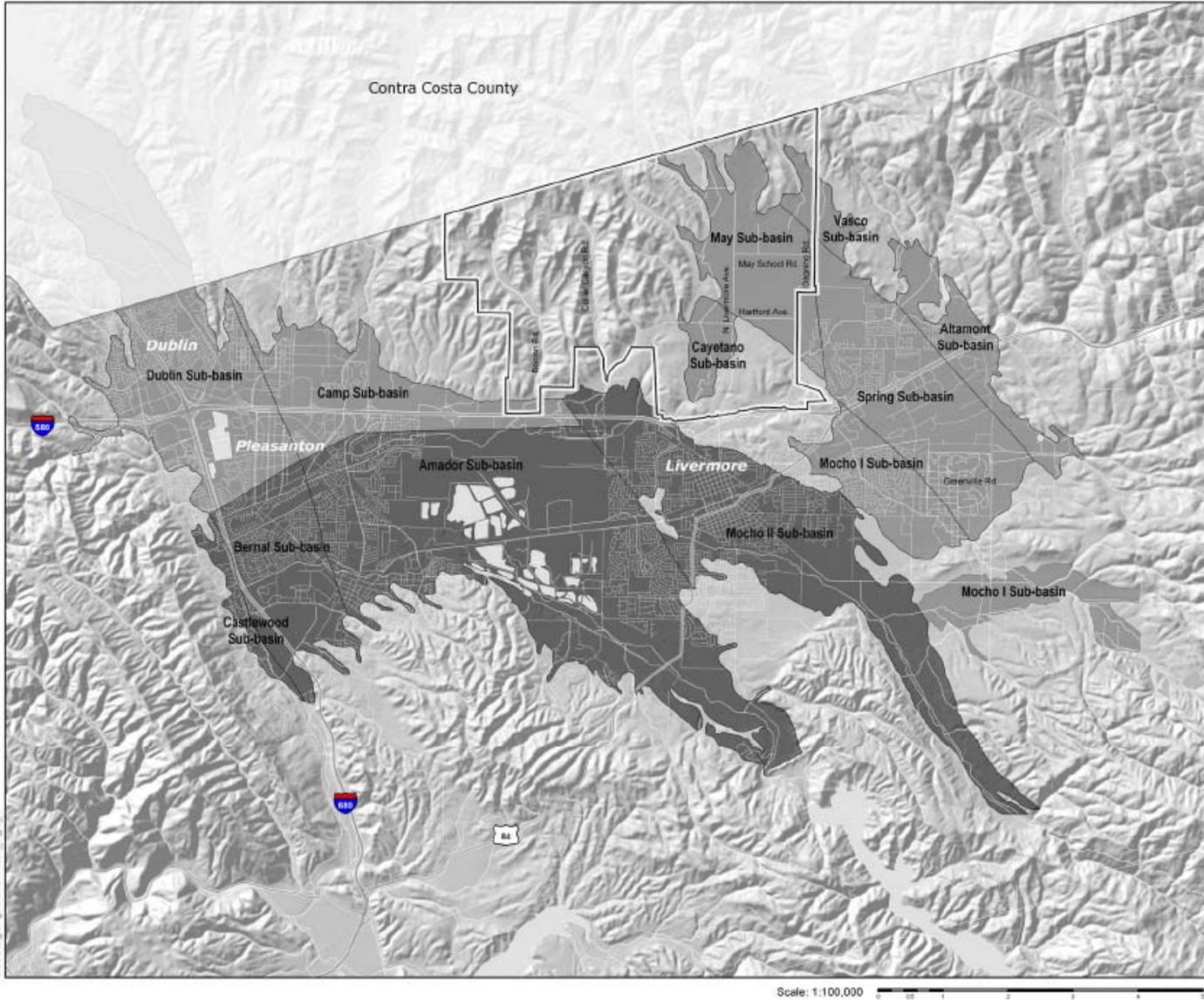


FIGURE 4

# Livermore Valley Groundwater Basins



### Legend

- Project Area Boundary
- Major Basin Region
- Sub-basin Region

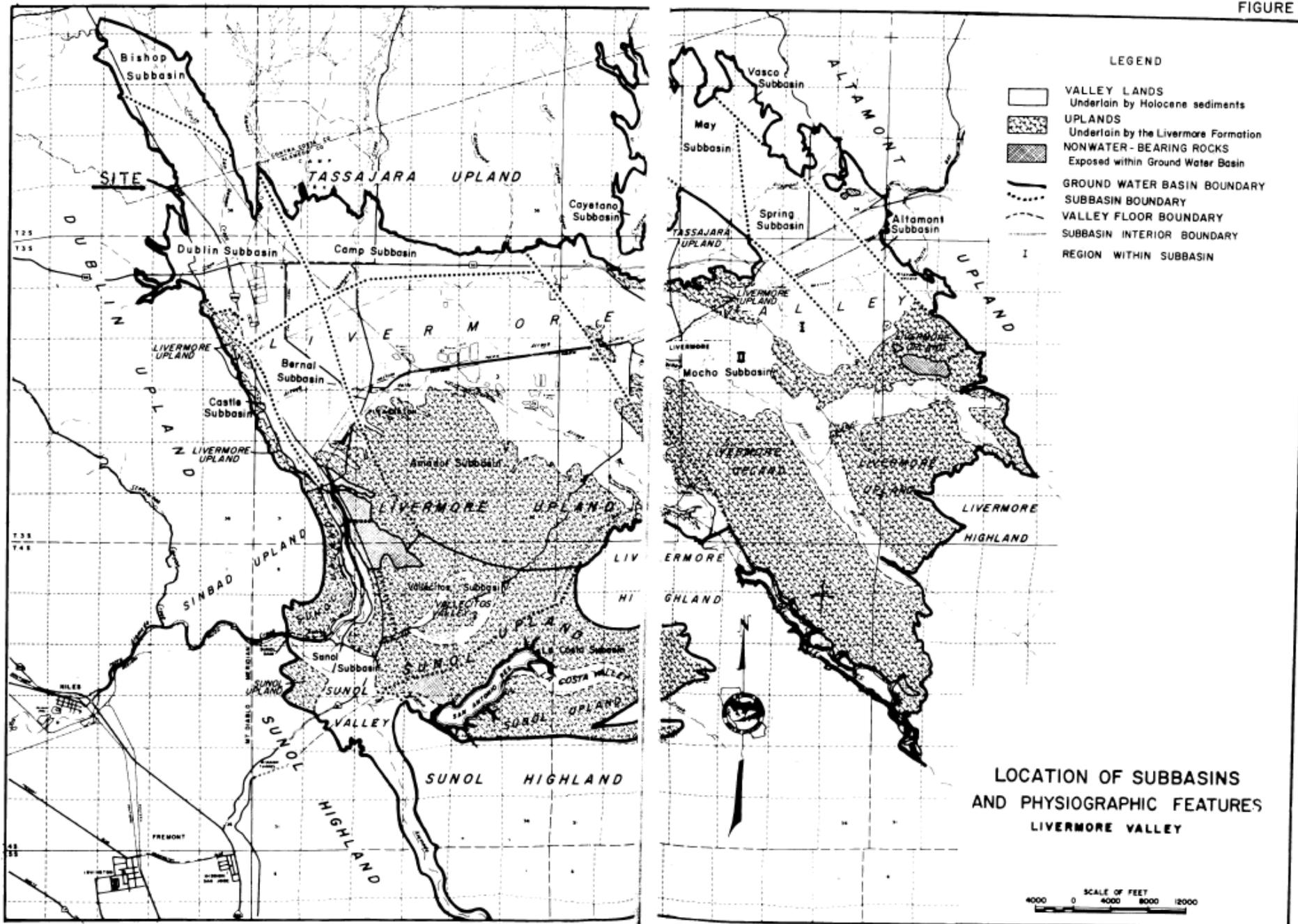
Source: Zone 7 ACWC&FCD and Todd Engineers 2003



Figure 6.1

FIGURE 4B

FIGURE 3



DRAFT

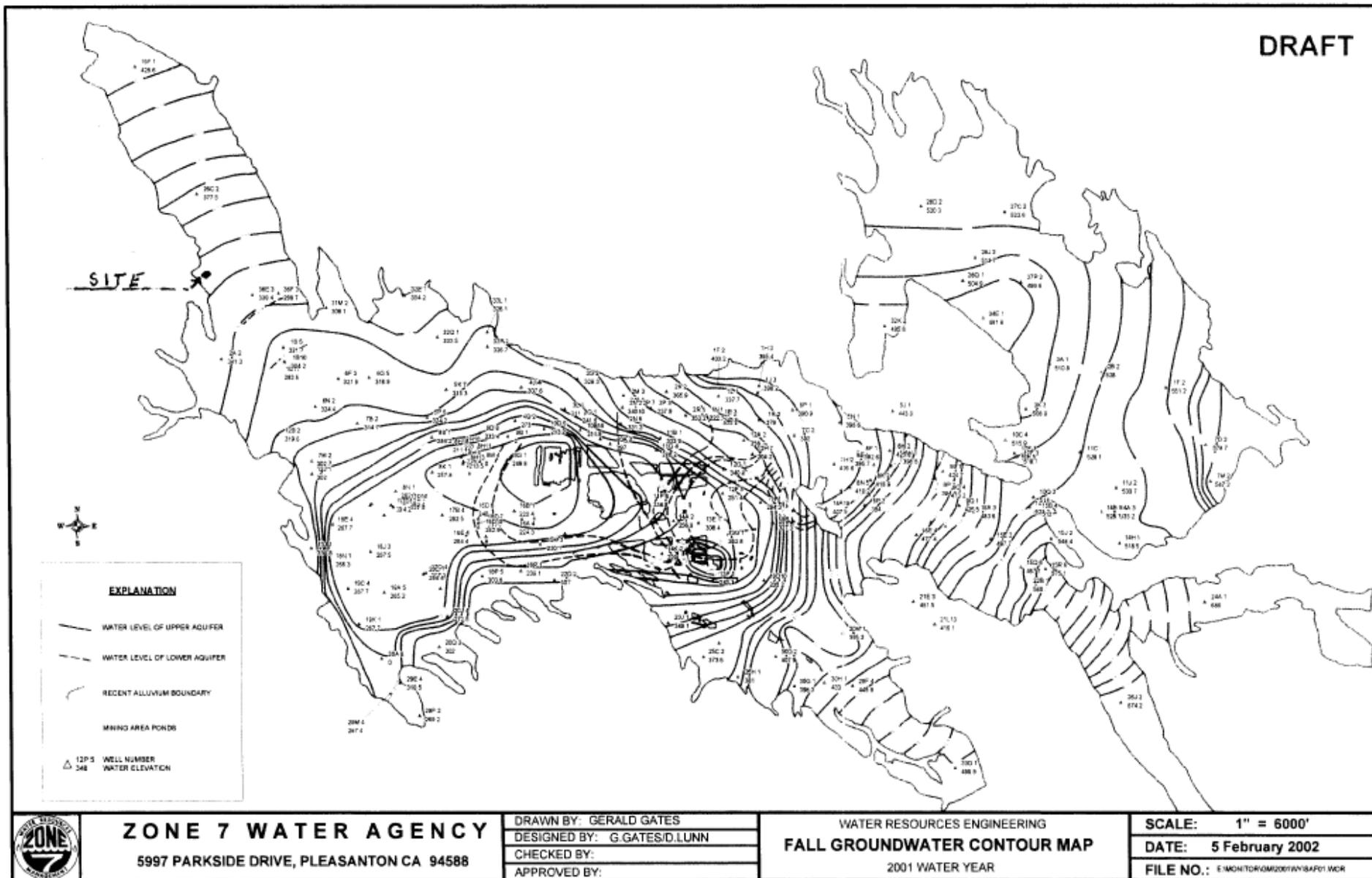
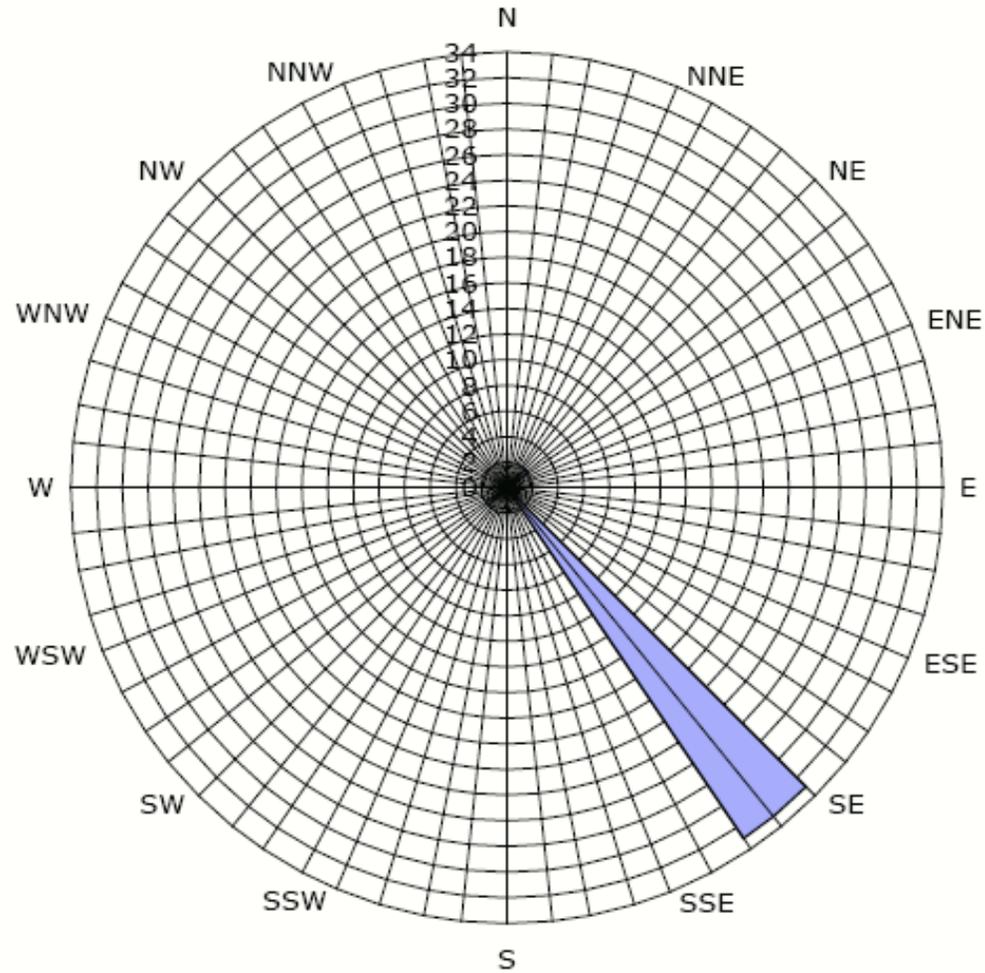


FIGURE 6

**Historic Groundwater Flow Directions**  
**ConocoPhillips Site No. 7176**  
7850 Amador Valley Boulevard  
Dublin, California

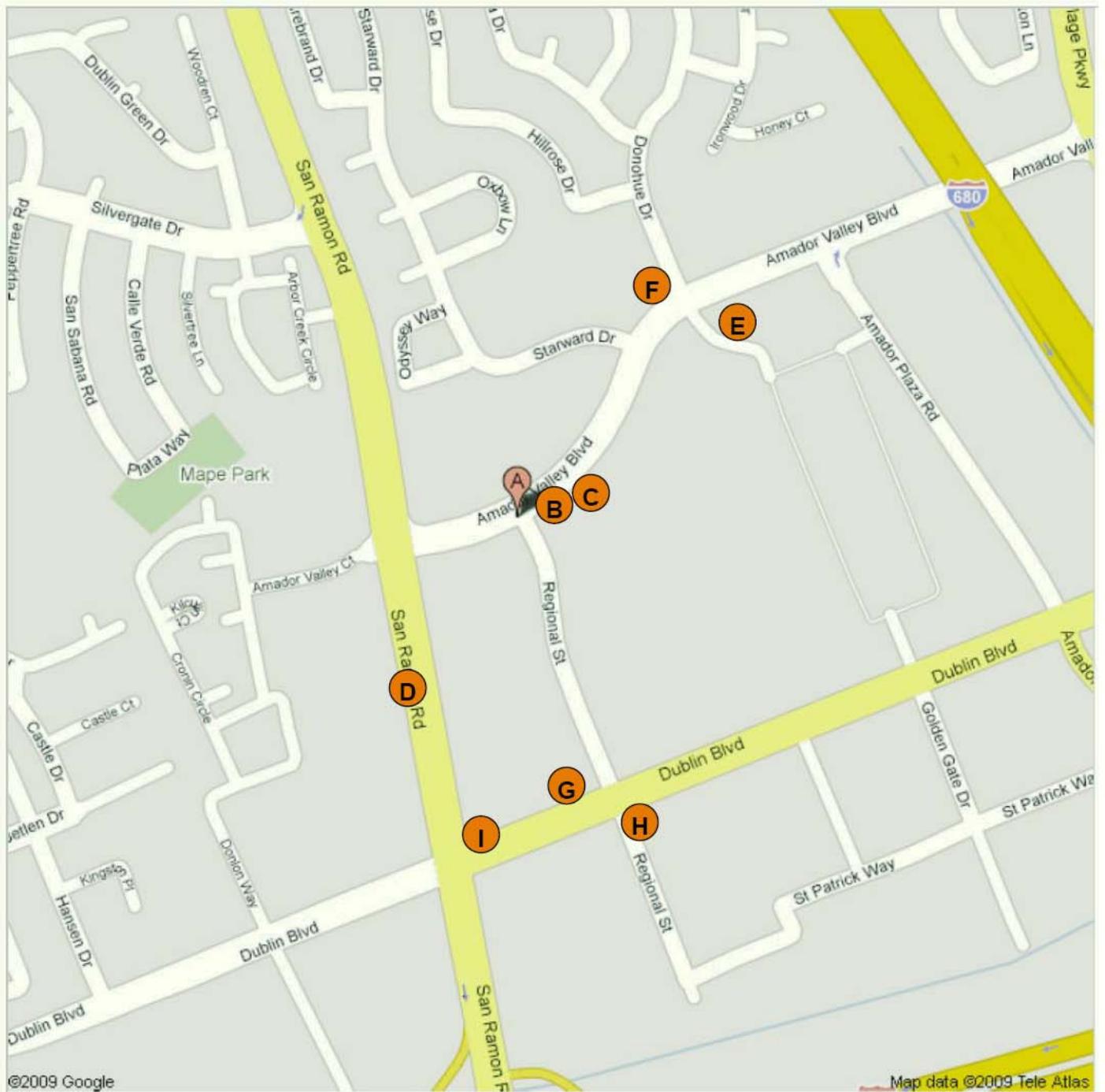


Legend  
Concentric circles represent  
quarterly monitoring events  
Fourth Quarter 1995  
through Third Quarter 2008  
39 data points shown

■ Groundwater Flow Direction

**FIGURE 7**

**FIGURE 8**

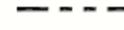


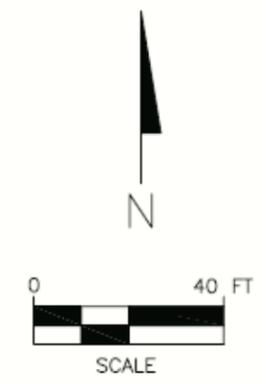
- |                          |                                  |
|--------------------------|----------------------------------|
| A – SITE                 | F – Amador Valley Medical Clinic |
| B – Exxon #7-0210        | G – Auto Parts Store             |
| C – Exxon #7-6210        | H – Dublin Retail Center         |
| D – Crow Canyon Cleaners | I – Chevron #9-5542              |
| E – Target Store, Inc    |                                  |

### **Nearby Release Sites**



**LEGEND:**

-  GROUNDWATER MONITORING WELL
-  ABANDONED GROUNDWATER MONITORING WELL
-  CONDUCTOR CASING LOCATION
-  SOIL BORING (MILLER BROOKS, 2004)
-  SOIL BORING (ENVIROS, 1995)
-  APPROXIMATE PROPERTY BOUNDARY



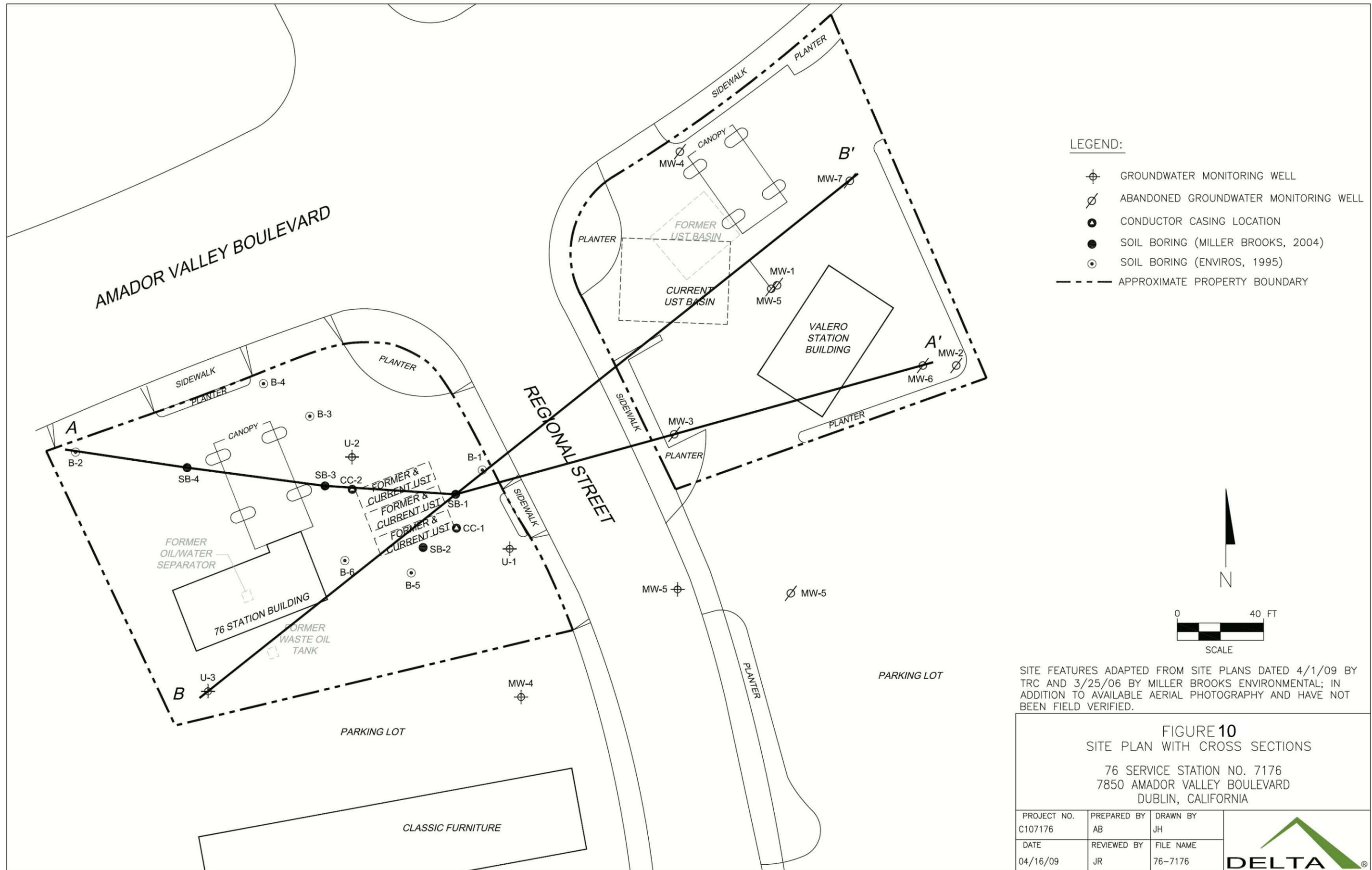
SITE FEATURES ADAPTED FROM SITE PLANS DATED 4/1/09 BY TRC AND 3/25/06 BY MILLER BROOKS ENVIRONMENTAL; IN ADDITION TO AVAILABLE AERIAL PHOTOGRAPHY AND HAVE NOT BEEN FIELD VERIFIED.

**FIGURE 9**  
SITE PLAN

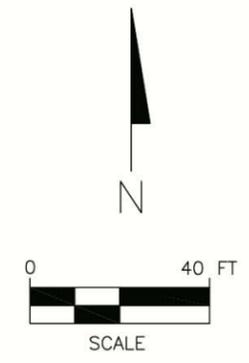
76 SERVICE STATION NO. 7176  
7850 AMADOR VALLEY BOULEVARD  
DUBLIN, CALIFORNIA

PROJECT NO. C107176	PREPARED BY AB	DRAWN BY JH
DATE 04/16/09	REVIEWED BY JR	FILE NAME 76-7176





- LEGEND:**
- ⊕ GROUNDWATER MONITORING WELL
  - ∅ ABANDONED GROUNDWATER MONITORING WELL
  - CONDUCTOR CASING LOCATION
  - SOIL BORING (MILLER BROOKS, 2004)
  - ⊙ SOIL BORING (ENVIROS, 1995)
  - - - APPROXIMATE PROPERTY BOUNDARY



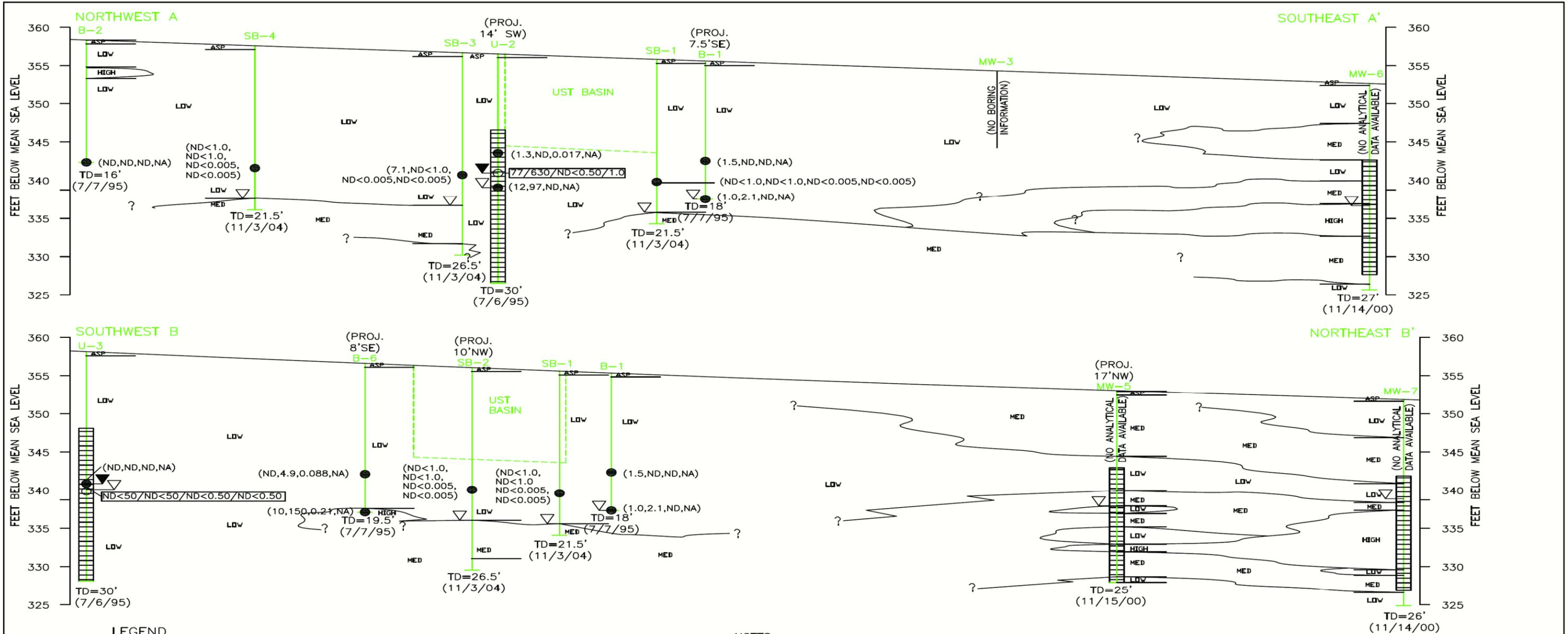
SITE FEATURES ADAPTED FROM SITE PLANS DATED 4/1/09 BY TRC AND 3/25/06 BY MILLER BROOKS ENVIRONMENTAL; IN ADDITION TO AVAILABLE AERIAL PHOTOGRAPHY AND HAVE NOT BEEN FIELD VERIFIED.

**FIGURE 10**  
SITE PLAN WITH CROSS SECTIONS

76 SERVICE STATION NO. 7176  
7850 AMADOR VALLEY BOULEVARD  
DUBLIN, CALIFORNIA

PROJECT NO. C107176	PREPARED BY AB	DRAWN BY JH
DATE 04/16/09	REVIEWED BY JR	FILE NAME 76-7176

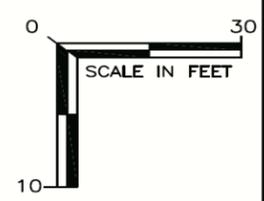




**LEGEND**

- U-1 BORING/MONITORING WELL NAME
  - EXPLORATORY BORING/WELL CASING
  - SOIL SAMPLE LOCATION
  - WELL SCREEN
  - TOTAL DEPTH DRILLING DATE
  - DEPTH TO STATIC GROUNDWATER
  - DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- (ND,4.9,0.088,NA) ● SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-D, TPH-G, BENZENE, MTBE (mg/kg)
- GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-D, TPH-G, BENZENE, MTBE (ug/L)
- LOW = LOW PERMEABILITY
- MEDIUM = MEDIUM PERMEABILITY
- HIGH = HIGH PERMEABILITY
- APPROXIMATE STRATIGRAPHIC BOUNDARY

- NOTES:**
- 1) ND<0.5=NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS  
NA=NOT ANALYZED  
TPH-D=TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
TPH-G=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
MTBE=METHYL TERT BUTYL ETHER  
ug/L=MICROGRAMS PER LITER  
mg/kg=MILLIGRAMS PER KILOGRAM
  - 2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.



**FIGURE 11**  
GEOLOGIC CROSS SECTION  
A-A' AND B-B'  
76 SERVICE STATION NO. 7176  
7850 AMADOR VALLEY BOULEVARD  
DUBLIN, CALIFORNIA

PROJECT NO. C107176	PREPARED BY AB	DRAWN BY JH
DATE 04/16/09	REVIEWED BY JR	FILE NAME 76-7176

**TABLE 1**

**TABLE 3**  
**GROUNDWATER ANALYTICAL DATA**  
 7850 Amador Valley Boulevard  
 Dublin, California

SAMPLE NO.	SAMPLE DATE	ANALYSIS DATE	TPH-D (PPB)	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYL XYLENES	
							BENZENE (PPB)	(PPB)
U-1	7/8/95	7/11/95	9,400*	39,000	1,500	19	1,600	5,200
U-2	7/8/95	7/12/95	4,700*	17,000	430	ND	2,200	590
U-3	7/8/95	7/11/95	710*	1,100***	0.57	2.1	1.7	2.4
B-2	7/8/95	7/12/95	ND	ND	ND	ND	ND	ND
B-4	7/8/95	7/12/95	390*	ND	ND	ND	ND	ND
UST-1	7/8/95	7/12/95	970*	3,000**	280	ND	ND	ND

- TPH-D = Total Petroleum Hydrocarbons calculated as Diesel.  
 TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline.  
 PPB = Parts Per Billion  
 U = Monitoring Well  
 B = Soil Boring/PowerPunch  
 UST = Underground Storage Tank Backfill Groundwater Sample
- \* = Unidentified Hydrocarbon C9-C24  
 \*\* = Weathered Gas C6-C12  
 \*\*\* = Gas and Unidentified Hydrocarbons >C12

Note: All data reported as <x are shown as ND (non detected).  
 See laboratory analytical reports for detection limits.

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
			<b>(Screen Interval in feet: 10.0-25.0)</b>												
MW-4															
04/23/98	356.41	12.11	0.00	344.30	--	--	2500	--	5.9	6.4	16	31	ND	--	
07/08/98	356.41	13.70	0.00	342.71	-1.59	1400	1000	--	ND	ND	ND	ND	ND	--	
10/05/98	356.41	15.18	0.00	341.23	-1.48	--	890	--	ND	ND	ND	14	ND	--	
01/04/99	356.41	16.39	0.00	340.02	-1.21	71	230	--	0.56	1.3	1.4	1.8	10	--	
D 01/04/99	356.41	16.39	0.00	340.02	-1.21	71	--	--	--	--	--	--	--	--	
04/05/99	356.41	14.61	0.00	341.80	1.78	340	620	--	ND	1.8	2.1	ND	6	9.3	
D 04/05/99	356.41	14.61	0.00	341.80	1.78	210	--	--	--	--	--	--	--	--	
07/01/99	356.41	15.43	0.00	340.98	-0.82	260	700	--	2.1	ND	1.9	2.4	ND	21	
D 07/01/99	356.41	15.43	0.00	340.98	-0.82	310	--	--	--	--	--	--	--	--	
09/30/99	356.41	16.27	0.00	340.14	-0.84	420	582	--	2.6	1.30	1.98	ND	23.1	22.5	
D 09/30/99	356.41	16.27	0.00	340.14	-0.84	220	--	--	--	--	--	--	--	--	
01/03/00	356.41	17.50	0.00	338.91	-1.23	250	800	--	4.2	4.6	3.3	11	31	17	
D 01/03/00	356.41	17.50	0.00	338.91	-1.23	260	--	--	--	--	--	--	--	--	
04/04/00	356.41	13.91	0.00	342.50	3.59	460	710	--	2	1.3	4.4	2.0	21	22	
D 04/04/00	356.41	13.91	0.00	342.50	3.59	340	--	--	--	--	--	--	--	--	
07/14/00	356.41	15.58	0.00	340.83	-1.67	220	490	--	0.89	1.3	0.85	1.8	21	12	
D 07/14/00	356.41	15.58	0.00	340.83	-1.67	76	--	--	--	--	--	--	--	--	
10/27/00	356.41	16.96	0.00	339.45	-1.38	160	598	--	ND	1.56	4.65	ND	15.4	14	
D 10/27/00	356.41	16.96	0.00	339.45	-1.38	120	--	--	--	--	--	--	--	--	
01/08/01	356.41	16.64	0.00	339.77	0.32	--	522	--	4.09	1.69	2.53	1.26	17.2	14.3	
04/03/01	356.41	15.46	0.00	340.95	1.18	180	575	--	ND	ND	ND	ND	14.0	11.6	
D 04/03/01	356.41	15.46	0.00	340.95	1.18	ND	--	--	--	--	--	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G	TPH-G	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments	
							(8015M) (µg/l)	(GC/MS) (µg/l)								
<b>MW-4 continued</b>																
	07/06/01	356.41	16.63	0.00	339.78	-1.17	230	720	--	4.7	1.5	2.5	0.74	10	7.1	
D	07/06/01	356.41	16.63	0.00	339.78	-1.17	200	--	--	--	--	--	--	--	--	
	10/05/01	356.41	17.38	0.00	339.03	-0.75	180	650	--	4.3	1.2	1.1	1.8	5.9	5.4	
D	10/05/01	356.41	17.38	0.00	339.03	-0.75	140	--	--	--	--	--	--	--	--	
	01/03/02	356.41	15.10	0.00	341.31	2.28	390	340	--	2.9	1.4	1.7	ND<1.0	ND<10/	3.1	
D	01/03/02	356.41	15.10	0.00	341.31	2.28	360	--	--	--	--	--	--	--	--	
	04/01/02	356.41	14.85	0.00	341.56	0.25	160	340	--	ND<0.50	2.7	ND<0.50	0.66	ND<5.0	2.2	
D	04/01/02	356.41	14.85	0.00	341.56	0.25	100	--	--	--	--	--	--	--	--	
	07/01/02	356.41	15.53	0.00	340.88	-0.68	130	--	280	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.58	
D	07/01/02	356.41	15.53	0.00	340.88	-0.68	97	--	--	--	--	--	--	--	--	
	01/24/03	356.41	14.52	0.00	341.89	1.01	52	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
D	01/24/03	356.41	14.52	0.00	341.89	1.01	ND<50	--	--	--	--	--	--	--	--	
	07/28/03	356.41	15.47	0.00	340.94	-0.95	110	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1	ND<2	ND<2	
D	07/28/03	356.41	15.47	0.00	340.94	-0.95	130	--	--	--	--	--	--	--	--	
	02/04/04	356.41	15.55	0.00	340.86	-0.08	94	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	07/02/04	356.41	16.52	0.00	339.89	-0.97	ND<200	--	170	ND<0.5	ND<0.5	ND<0.5	ND<1	--	0.83	
	01/11/05	356.41	14.83	0.00	341.58	1.69	110	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.87	
D	01/11/05	356.41	14.83	0.00	341.58	1.69	85	--	--	--	--	--	--	--	--	
	07/08/05	356.41	14.33	0.00	342.08	0.50	67	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.60	
D	07/08/05	356.41	14.33	0.00	342.08	0.50	67	--	--	--	--	--	--	--	--	
	01/06/06	356.41	15.59	0.00	340.82	-1.26	ND<200	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
	09/11/06	356.41	16.16	0.00	340.25	-0.57	ND<50	--	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.0	
	02/16/07	356.41	16.39	0.00	340.02	-0.23	66	--	210	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.0	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)											Comments
						TPH-D (µg/l)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)		
<b>MW-4 continued</b>																
07/03/07	356.41	16.60	0.00	339.81	-0.21	ND<56	--	160	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.71		
02/01/08	356.41	15.26	0.00	341.15	1.34	66	--	91	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/02/08	356.41	17.97	0.00	338.44	-2.71	51	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.70		
<b>MW-5 (Screen Interval in feet: 10.0-25.0)</b>																
04/23/98	355.03	11.15	0.00	343.88	--	--	120	--	0.53	0.90	1.0	3.8	13	--		
07/08/98	355.03	12.63	0.00	342.40	-1.48	170	ND	--	ND	ND	ND	ND	12	--		
10/05/98	355.03	14.00	0.00	341.03	-1.37	--	ND	--	ND	ND	ND	ND	12	--		
01/04/99	355.03	15.21	0.00	339.82	-1.21	ND	ND	--	ND	ND	ND	ND	ND	--		
04/05/99	355.03	13.76	0.00	341.27	1.45	ND	ND	--	ND	ND	ND	ND	ND	ND		
07/01/99	355.03	14.48	0.00	340.55	-0.72	ND	ND	--	ND	ND	ND	ND	ND	2.3		
09/30/99	355.03	15.15	0.00	339.88	-0.67	60.4	50.8	--	ND	ND	ND	ND	ND	ND		
D 09/30/99	355.03	15.15	0.00	339.88	-0.67	ND	--	--	--	--	--	--	--	--		
01/03/00	355.03	16.34	0.00	338.69	-1.19	ND	ND	--	ND	ND	ND	ND	ND	ND		
04/04/00	355.03	12.90	0.00	342.13	3.44	69	ND	--	ND	ND	ND	ND	ND	ND		
D 04/04/00	355.03	12.90	0.00	342.13	3.44	ND	--	--	--	--	--	--	--	--		
07/14/00	355.03	14.48	0.00	340.55	-1.58	ND	ND	--	ND	ND	ND	ND	ND	ND		
10/27/00	355.03	15.75	0.00	339.28	-1.27	ND	ND	--	ND	ND	ND	ND	ND	ND		
01/08/01	355.03	15.25	0.00	339.78	0.50	--	ND	--	ND	ND	ND	ND	ND	ND		
04/03/01	355.03	14.41	0.00	340.62	0.84	ND	ND	--	ND	ND	ND	ND	ND	ND		
07/06/01	355.03	15.52	0.00	339.51	-1.11	ND	ND	--	ND	ND	ND	ND	ND	ND		
10/05/01	355.03	16.28	0.00	338.75	-0.76	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0		
01/03/02	355.03	14.01	0.00	341.02	2.27	ND<51	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.6		
04/01/02	355.03	13.64	0.00	341.39	0.37	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	3.5		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>MW-5 continued</b>															
07/01/02	355.03	14.51	0.00	340.52	-0.87	ND<60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.3	
01/24/03	355.03	13.53	0.00	341.50	0.98	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.3	
07/28/03	355.03	14.40	0.00	340.63	-0.87	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.4	
02/04/04	355.03	14.41	0.00	340.62	-0.01	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
07/02/04	355.03	15.41	0.00	339.62	-1.00	ND<200	--	80	ND<0.5	ND<0.5	ND<0.5	ND<1	--	2.0	
01/11/05	355.03	13.74	0.00	341.29	1.67	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.64	
07/08/05	355.03	13.24	0.00	341.79	0.50	220	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
D 07/08/05	355.03	13.24	0.00	341.79	0.50	ND<50	--	--	--	--	--	--	--	--	
01/06/06	355.03	14.33	0.00	340.70	-1.09	ND<200	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/11/06	355.03	14.91	0.00	340.12	-0.58	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/16/07	355.03	15.13	0.00	339.90	-0.22	ND<56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/03/07	355.03	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
02/01/08	355.03	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
09/02/08	355.03	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
<b>U-1</b>			<b>(Screen Interval in feet: 10.0-30.0)</b>												
07/08/95	355.62	12.59	0.00	343.03	--	9400	39000	--	1500	19	1600	5200	--	--	
10/12/95	355.62	15.38	0.00	340.24	-2.79	4200	33000	--	1400	ND	1400	3100	--	--	
01/11/96	355.62	16.33	0.00	339.29	-0.95	8200	8300	--	690	11	680	1500	--	--	
04/11/96	355.62	12.20	0.00	343.42	4.13	5630	3200	--	110	ND	180	290	790	--	
07/10/96	355.62	13.84	0.00	341.78	-1.64	2200	2600	--	81	4.4	210	230	510	--	
10/30/96	355.62	15.85	0.00	339.77	-2.01	560	2200	--	67	19	140	150	360	--	
01/27/97	355.62	12.20	0.00	343.42	3.65	2300	4600	--	98	ND	360	290	150	--	
04/08/97	355.62	13.46	0.00	342.16	-1.26	1300	2800	--	50	ND	220	140	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation  (feet)	Depth to Water  (feet)	LPH Thickness  (feet)	Ground- water Elevation  (feet)	Change in Elevation  (feet)	TPH-D   (µg/l)	TPH-G	TPH-G	Benzene   (µg/l)	Toluene   (µg/l)	Ethyl- benzene   (µg/l)	Total Xylenes   (µg/l)	MTBE   (8021B)   (µg/l)	MTBE   (8260B)   (µg/l)	Comments
							(8015M)   (µg/l)	(GC/MS)   (µg/l)							
<b>U-1 continued</b>															
07/17/97	355.62	15.30	0.00	340.32	-1.84	460	2300	--	30	4.5	140	94	190	--	
10/17/97	355.62	16.33	0.00	339.29	-1.03	510	1500	--	31	6.7	110	88	220	--	
01/19/98	355.62	14.34	0.00	341.28	1.99	1900	3100	--	46	3.4	310	200	170	--	
D 01/19/98	355.62	14.34	0.00	341.28	1.99	1300	--	--	--	--	--	--	--	--	
04/23/98	355.59	11.16	0.00	344.43	3.15	--	3400	--	72	3.8	470	350	280	--	
07/08/98	355.59	12.67	0.00	342.92	-1.51	2000	4500	--	51	ND	590	430	190	--	
10/05/98	355.59	14.57	0.00	341.02	-1.90	--	7500	--	53	ND	680	350	190	180	
01/04/99	355.59	15.35	0.00	340.24	-0.78	2700	10000	--	ND	ND	1200	540	--	ND	
D 01/04/99	355.59	15.35	0.00	340.24	-0.78	2500	--	--	--	--	--	--	--	--	
04/05/99	355.59	13.64	0.00	341.95	1.71	920	4900	--	34	ND	350	150	150	55	
D 04/05/99	355.59	13.64	0.00	341.95	1.71	570	--	--	--	--	--	--	--	--	
07/01/99	355.59	14.39	0.00	341.20	-0.75	2700	10000	--	45	ND	850	420	260	110	
D 07/01/99	355.59	14.39	0.00	341.20	-0.75	3600	--	--	--	--	--	--	--	--	
09/30/99	355.59	15.32	0.00	340.27	-0.93	2360	7150	--	ND	ND	415	84.4	ND	195	
D 09/30/99	355.59	15.32	0.00	340.27	-0.93	1680	--	--	--	--	--	--	--	--	
01/03/00	355.59	16.51	0.00	339.08	-1.19	2000	5400	--	28	8.4	180	33	160	120	
D 01/03/00	355.59	16.51	0.00	339.08	-1.19	1700	--	--	--	--	--	--	--	--	
04/04/00	355.59	12.89	0.00	342.70	3.62	990	4800	--	30	ND	210	93	170	160	
D 04/04/00	355.59	12.89	0.00	342.70	3.62	1400	--	--	--	--	--	--	--	--	
07/14/00	355.59	14.56	0.00	341.03	-1.67	2800	6200	--	41	16	170	32	170	120	
D 07/14/00	355.59	14.56	0.00	341.03	-1.67	1200	--	--	--	--	--	--	--	--	
10/27/00	355.59	15.96	0.00	339.63	-1.40	1400	3830	--	16.8	ND	68.6	7.99	55.2	38	
D 10/27/00	355.59	15.96	0.00	339.63	-1.40	1300	--	--	--	--	--	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>															
01/08/01	355.59	15.72	0.00	339.87	0.24	--	2410	--	14.7	4.30	30.5	5.04	34.5	9.33	
04/03/01	355.59	14.46	0.00	341.13	1.26	1500	3330	--	15.8	5.96	74.8	7.06	ND	13.3	
D 04/03/01	355.59	14.46	0.00	341.13	1.26	830	--	--	--	--	--	--	--	--	
07/06/01	355.59	15.65	0.00	339.94	-1.19	1600	4300	--	23	6.4	57	6.8	58	36	
D 07/06/01	355.59	15.65	0.00	339.94	-1.19	1200	--	--	--	--	--	--	--	--	
10/05/01	355.59	16.45	0.00	339.14	-0.80	2500	3800	--	19	ND<5.0	19	ND<5.0	64	36	
D 10/05/01	355.59	16.45	0.00	339.14	-0.80	2300	--	--	--	--	--	--	--	--	
01/03/02	355.59	14.18	0.00	341.41	2.27	2200	4500	--	25	ND<10	24	ND<10	ND<100	23	
D 01/03/02	355.59	14.18	0.00	341.41	2.27	2200	--	--	--	--	--	--	--	--	
04/01/02	355.59	13.72	0.00	341.87	0.46	1800	5300	--	36	6.7	48	12	93	59	
D 04/01/02	355.59	13.72	0.00	341.87	0.46	1200	--	--	--	--	--	--	--	--	
07/01/02	355.59	14.61	0.00	340.98	-0.89	2100	--	3900	ND<0.50	ND<0.50	ND<0.50	3.9	--	23	
D 07/01/02	355.59	14.61	0.00	340.98	-0.89	2100	--	--	--	--	--	--	--	--	
01/24/03	355.59	13.82	0.00	341.77	0.79	2100	--	3400	ND<2.5	ND<2.5	37	ND<5.0	--	21	
D 01/24/03	355.59	13.82	0.00	341.77	0.79	1700	--	--	--	--	--	--	--	--	
07/28/03	355.59	14.51	0.00	341.08	-0.69	2100	--	7100	ND<2.5	ND<2.5	12	ND<5	13	13	
D 07/28/03	355.59	14.51	0.00	341.08	-0.69	1200	--	--	--	--	--	--	--	--	
02/04/04	355.59	14.66	0.00	340.93	-0.15	1300	--	4000	ND<0.50	ND<0.50	13	ND<1.0	--	9.6	
07/02/04	355.59	16.57	0.00	339.02	-1.91	400	--	2600	0.56	ND<0.5	5.3	ND<1	--	5.4	
01/11/05	355.59	13.91	0.00	341.68	2.66	2000	--	5000	0.59	ND<0.50	7.8	ND<1.0	--	4.2	
D 01/11/05	355.59	13.91	0.00	341.68	2.66	1500	--	--	--	--	--	--	--	--	
07/08/05	355.59	13.26	0.00	342.33	0.65	1300	--	3100	ND<0.50	ND<0.50	4.3	ND<1.0	--	2.2	
01/06/06	355.59	14.64	0.00	340.95	-1.38	1200	--	2200	ND<0.50	ND<0.50	3.1	ND<1.0	--	2.8	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>															
	09/11/06	355.59	15.11	0.00	340.48	-0.47	1200	--	2700	ND<0.50	ND<0.50	2.0	0.79	--	1.6
	02/16/07	355.59	15.38	0.00	340.21	-0.27	2000	--	3700	ND<0.50	ND<0.50	3.1	0.81	--	2.4
	07/03/07	355.59	15.60	0.00	339.99	-0.22	950	--	2300	ND<0.50	ND<0.50	1.6	0.74	--	0.89
D	07/03/07	355.59	15.60	0.00	339.99	-0.22	890	--	--	--	--	--	--	--	--
	02/01/08	355.59	14.28	0.00	341.31	1.32	1100	--	3100	0.88	ND<0.50	1.6	ND<1.0	--	ND<0.50
	09/02/08	355.59	16.97	0.00	338.62	-2.69	960	--	3300	ND<1.0	ND<1.0	1.4	ND<2.0	--	ND<1.0
<b>U-2 (Screen Interval in feet: 10.0-30.0)</b>															
	07/08/95	356.59	12.68	0.00	343.91	--	4700	17000	--	430	ND	2200	590	--	--
	10/12/95	356.59	16.01	0.00	340.58	-3.33	3600	24000	--	310	60	1900	190	--	--
	01/11/96	356.59	17.06	0.00	339.53	-1.05	8600	10000	--	210	55	1400	240	--	--
	04/11/96	356.59	12.75	0.00	343.84	4.31	1900	7700	--	130	27	1100	110	340	--
	07/10/96	356.59	14.42	0.00	342.17	-1.67	2300	5600	--	59	15	610	42	250	--
	10/30/96	356.59	16.82	0.00	339.77	-2.40	1800	7700	--	67	35	1000	54	260	--
	01/27/97	356.59	12.91	0.00	343.68	3.91	660	1600	--	14	ND	130	7.0	100	--
	04/08/97	356.59	14.07	0.00	342.52	-1.16	2000	4300	--	35	ND	400	16	ND	--
	07/17/97	356.59	15.96	0.00	340.63	-1.89	1300	6200	--	17	22	410	ND	130	--
	10/17/97	356.59	17.03	0.00	339.56	-1.07	1400	7100	--	71	26	520	50	ND	--
	01/19/98	356.59	15.10	0.00	341.49	1.93	2100	5300	--	46	11	350	16	110	--
D	01/19/98	356.59	15.10	0.00	341.49	1.93	1500	--	--	--	--	--	--	--	--
	04/23/98	356.55	11.74	0.00	344.81	3.32	--	3200	--	23	11	210	38	160	--
	07/08/98	356.55	13.27	0.00	343.28	-1.53	1100	1600	--	34	8.5	100	7.4	190	--
	10/05/98	356.55	14.90	0.00	341.65	-1.63	--	2900	--	37	8.4	110	7.3	78	--
	01/04/99	356.55	15.94	0.00	340.61	-1.04	670	2200	--	35	ND	17	ND	86	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G	TPH-G	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(8015M) (µg/l)	(GC/MS) (µg/l)							
<b>D U-2 continued</b>															
D 01/04/99	356.55	15.94	0.00	340.61	-1.04	250	--	--	--	--	--	--	--	--	
04/05/99	356.55	14.19	0.00	342.36	1.75	660	4900	--	21	77	130	310	100	6.9	
D 04/05/99	356.55	14.19	0.00	342.36	1.75	490	--	--	--	--	--	--	--	--	
07/01/99	356.55	14.98	0.00	341.57	-0.79	210	1500	--	7.6	ND	ND	ND	ND	35	
D 07/01/99	356.55	14.98	0.00	341.57	-0.79	440	--	--	--	--	--	--	--	--	
09/30/99	356.55	16.00	0.00	340.55	-1.02	483	256	--	1.85	ND	2.42	ND	26.3	29.8	
D 09/30/99	356.55	16.00	0.00	340.55	-1.02	340	--	--	--	--	--	--	--	--	
01/03/00	356.55	17.20	0.00	339.35	-1.20	2400	3400	--	23	13	ND	44	46	14	
D 01/03/00	356.55	17.20	0.00	339.35	-1.20	1900	--	--	--	--	--	--	--	--	
04/04/00	356.55	13.50	0.00	343.05	3.70	1000	3600	--	34	17	56	ND	59	25	
D 04/04/00	356.55	13.50	0.00	343.05	3.70	1000	--	--	--	--	--	--	--	--	
07/14/00	356.55	15.23	0.00	341.32	-1.73	1000	3100	--	16	13	15	10	100	19	
D 07/14/00	356.55	15.23	0.00	341.32	-1.73	350	--	--	--	--	--	--	--	--	
10/27/00	356.55	16.74	0.00	339.81	-1.51	2000	4180	--	30.4	10.2	14.6	ND	55.5	15	
D 10/27/00	356.55	16.74	0.00	339.81	-1.51	1900	--	--	--	--	--	--	--	--	
01/08/01	356.55	16.68	0.00	339.87	0.06	--	3300	--	33.5	7.32	3.49	ND	66.7	7.49	
04/03/01	356.55	15.12	0.00	341.43	1.56	1500	4290	--	32.4	9.91	20.1	ND	66.6	18.1	
D 04/03/01	356.55	15.12	0.00	341.43	1.56	830	--	--	--	--	--	--	--	--	
07/06/01	356.55	16.32	0.00	340.23	-1.20	1400	4700	--	35	11	12	5.3	62	19	
D 07/06/01	356.55	16.32	0.00	340.23	-1.20	1100	--	--	--	--	--	--	--	--	
10/05/01	356.55	17.15	0.00	339.40	-0.83	3200	3600	--	31	9.6	8.7	6.9	62	13	
D 10/05/01	356.55	17.15	0.00	339.40	-0.83	1900	--	--	--	--	--	--	--	--	
01/03/02	356.55	14.90	0.00	341.65	2.25	2300	4600	--	34	11	15	5.8	62	7.5	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G		Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(8015M) (µg/l)	(GC/MS) (µg/l)							
<b>D U-2 continued</b>															
D 01/03/02	356.55	14.90	0.00	341.65	2.25	2100	--	--	--	--	--	--	--	--	
04/01/02	356.55	14.38	0.00	342.17	0.52	1400	3500	--	38	9.3	10	6.5	87	18	
D 04/01/02	356.55	14.38	0.00	342.17	0.52	470	--	--	--	--	--	--	--	--	
07/01/02	356.55	15.24	0.00	341.31	-0.86	ND<50	--	4500	ND<0.50	ND<0.50	5.0	1.7	--	ND<0.50	
01/24/03	356.55	14.31	0.00	342.24	0.93	860	--	2300	1.1	1.5	6.9	2.4	--	5.9	
D 01/24/03	356.55	14.31	0.00	342.24	0.93	570	--	--	--	--	--	--	--	--	
07/28/03	356.55	15.18	0.00	341.37	-0.87	1300	--	5600	ND<2.5	ND<2.5	3.4	ND<5	ND<10	ND<10	
D 07/28/03	356.55	15.18	0.00	341.37	-0.87	710	--	--	--	--	--	--	--	--	
02/04/04	356.55	15.36	0.00	341.19	-0.18	1300	--	4400	ND<5.0	ND<5.0	7.0	ND<10	--	ND<20	
07/02/04	356.55	16.28	0.00	340.27	-0.92	380	--	5700	1.4	2.8	6.6	5.5	--	6.6	
01/11/05	356.55	14.59	0.00	341.96	1.69	1800	--	5800	0.99	2.5	5.4	5.1	--	ND<5.0	
D 01/11/05	356.55	14.59	0.00	341.96	1.69	1100	--	--	--	--	--	--	--	--	
07/08/05	356.55	13.97	0.00	342.58	0.62	1100	--	3000	0.56	1.9	3.0	3.2	--	5.0	
D 07/08/05	356.55	13.97	0.00	342.58	0.62	960	--	--	--	--	--	--	--	--	
01/06/06	356.55	15.30	0.00	341.25	-1.33	1100	--	1600	ND<0.50	ND<0.50	0.97	ND<1.0	--	2.1	
09/11/06	356.55	15.62	0.00	340.93	-0.32	790	--	2300	ND<0.50	ND<0.50	1.0	1.0	--	2.7	
02/16/07	356.55	16.01	0.00	340.54	-0.39	200	--	1500	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	
07/03/07	356.55	16.27	0.00	340.28	-0.26	540	--	1400	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.5	
D 07/03/07	356.55	16.27	0.00	340.28	-0.26	530	--	--	--	--	--	--	--	--	
02/01/08	356.55	15.02	0.00	341.53	1.25	340	--	830	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.1	
09/02/08	356.55	17.71	0.00	338.84	-2.69	300	--	1500	ND<0.50	ND<0.50	0.73	ND<1.0	--	0.80	
<b>U-3 (Screen Interval in feet: 10.0-30.0)</b>															
07/08/95	358.13	14.58	0.00	343.55	--	710	1100	--	0.57	2.1	1.7	2.4	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation  (feet)	Depth to Water  (feet)	LPH Thickness  (feet)	Ground- water Elevation  (feet)	Change in Elevation  (feet)									Comments
						TPH-D  (µg/l)	TPH-G (8015M)  (µg/l)	TPH-G (GC/MS)  (µg/l)	Benzene  (µg/l)	Toluene  (µg/l)	Ethyl- benzene  (µg/l)	Total Xylenes  (µg/l)	MTBE (8021B)  (µg/l)	
<b>U-3 continued</b>														
10/12/95	358.13	17.60	0.00	340.53	-3.02	470	560	--	ND	0.87	0.7	1.1	--	--
01/11/96	358.13	18.65	0.00	339.48	-1.05	260	230	--	0.62	0.91	0.97	1.9	--	--
04/11/96	358.13	13.20	0.00	344.93	5.45	ND	68	--	ND	ND	ND	ND	ND	--
07/10/96	358.13	15.98	0.00	342.15	-2.78	ND	ND	--	ND	ND	ND	ND	ND	--
10/30/96	358.13	18.24	0.00	339.89	-2.26	ND	70	--	ND	ND	ND	ND	ND	--
01/27/97	358.13	14.41	0.00	343.72	3.83	ND	ND	--	ND	ND	ND	ND	ND	--
04/08/97	358.13	15.73	0.00	342.40	-1.32	ND	ND	--	ND	ND	ND	ND	ND	--
07/17/97	358.13	17.54	0.00	340.59	-1.81	ND	ND	--	ND	ND	ND	ND	ND	--
10/17/97	358.13	18.64	0.00	339.49	-1.10	63	ND	--	ND	ND	ND	ND	ND	--
01/19/98	358.13	16.67	0.00	341.46	1.97	68	ND	--	ND	ND	ND	ND	ND	--
D 01/19/98	358.13	16.67	0.00	341.46	1.97	ND	--	--	--	--	--	--	--	--
04/23/98	358.09	13.28	0.00	344.81	3.35	--	ND	--	ND	ND	ND	ND	ND	--
07/08/98	358.09	14.90	0.00	343.19	-1.62	80	ND	--	ND	ND	ND	ND	ND	--
10/05/98	358.09	16.50	0.00	341.59	-1.60	--	ND	--	ND	ND	ND	ND	ND	--
01/04/99	358.09	17.70	0.00	340.39	-1.20	ND	ND	--	ND	ND	ND	ND	ND	--
04/05/99	358.09	15.67	0.00	342.42	2.03	ND	ND	--	ND	ND	ND	ND	ND	ND
07/01/99	358.09	16.79	0.00	341.30	-1.12	ND	ND	--	ND	ND	ND	ND	ND	ND
09/30/99	358.09	17.60	0.00	340.49	-0.81	ND	ND	--	ND	ND	ND	ND	ND	ND
01/03/00	358.09	18.86	0.00	339.23	-1.26	ND	ND	--	ND	ND	ND	ND	ND	ND
04/04/00	358.09	15.10	0.00	342.99	3.76	ND	ND	--	ND	ND	ND	ND	ND	ND
07/14/00	358.09	16.85	0.00	341.24	-1.75	ND	ND	--	ND	ND	ND	ND	ND	ND
10/27/00	358.09	18.35	0.00	339.74	-1.50	ND	ND	--	ND	ND	ND	ND	ND	ND
01/08/01	358.09	18.31	0.00	339.78	0.04	--	ND	--	ND	ND	ND	ND	ND	ND

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1995 Through September 2008**  
**76 Station 7176**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)										Comments
						TPH-D (µg/l)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	
<b>U-3 continued</b>															
04/03/01	358.09	16.70	0.00	341.39	1.61	ND	ND	--	ND	ND	ND	ND	ND	ND	
07/06/01	358.09	17.90	0.00	340.19	-1.20	ND	ND	--	ND	ND	ND	ND	ND	ND	
10/05/01	358.09	18.71	0.00	339.38	-0.81	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
01/03/02	358.09	16.41	0.00	341.68	2.30	ND<52	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
04/01/02	358.09	15.87	0.00	342.22	0.54	ND<50	ND<50	--	ND<0.50	1.1	ND<0.50	1.2	ND<5.0	ND<2.0	
07/01/02	358.09	16.77	0.00	341.32	-0.90	1500	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/24/03	358.09	15.75	0.00	342.34	1.02	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	ND<2.019	
07/28/03	358.09	16.74	0.00	341.35	-0.99	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	ND<2	ND<2	
02/04/04	358.09	16.87	0.00	341.22	-0.13	90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/02/04	358.09	17.87	0.00	340.22	-1.00	ND<200	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	
01/11/05	358.09	16.10	0.00	341.99	1.77	ND<50	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/08/05	358.09	15.57	0.00	342.52	0.53	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/06/06	358.09	16.94	0.00	341.15	-1.37	ND<200	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/11/06	358.09	17.49	0.00	340.60	-0.55	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/16/07	358.09	17.71	0.00	340.38	-0.22	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/03/07	358.09	17.91	0.00	340.18	-0.20	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/01/08	358.09	16.52	0.00	341.57	1.39	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/02/08	358.09	19.32	0.00	338.77	-2.80	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

**TABLE 2**

**Table 1**  
 One-Mile Agency Receptor Survey  
 ConocoPhillips Station No.7176  
 7850 Amador Valley Boulevard, Dublin, California

	DWR <sup>1</sup> Well No.	Address	City	State	Zip	Owner	Well Type	Distance from Site (miles)	Direction Relative to Site
1-	3S/1W-1B5	Maple Dr. (flood control channel and York Dr.)	Dublin	CA		Alameda County Flood Control	Test Well/Other	0.7	NE
2-	3S/1W-1B2	Village Parkway at Dublin Blvd.	Dublin	CA		Valley Community Service District	Municipal	0.7	E
3-	3S/1W-1K3	SW corner of I-580 and I-680	Dublin	CA		Livermore-Amador Valley Management Agency	Cathodic protection	0.8	SE
4-	3S/1W-1F1	100' N of Dublin Blvd., 4000 ft E of San Ramon Rd.	Dublin	CA		Volk-McLain Co.	Domestic	0.9	SW
5-	3S/1W-1B3	Dublin Blvd. at Village Parkway	Dublin	CA		Valley Community Service District	Municipal	0.7	E
6-	3S/1W-2K4	6600 Donlon Way	Dublin	CA		Dublin Historical	Domestic	0.4	SW
7-	3S/1W-3R3	10728 Dublin Rd.	Dublin	CA	94566	Pacific Construction & Engineering	Domestic	0.8	SW
8-	3S/1W-11C	Dublin Canyon Rd (3/4 mi from Foothill and 580)	Dublin	CA		Walter Panganiban	Domestic (dry hole)	1.0	SW
9-	3S/1W-11C1	Dublin Canyon Rd (3/4 mi from Foothill and 580)	Dublin	CA		Walter Panganiban	Domestic	1.0	SW
10-	2S/1W-35K1	11000 Shannon Ave	Dublin	CA		City of Dublin	Irrigation	0.7	NW
11-	2S-1W-36?	Aldea St. at Larkdale Ave.	Dublin	CA		Volk-McLain Communities, Inc.	Domestic	0.8	NE
<sup>2</sup> 12-	3S/1W-1L1	Walnut Creek Rd. to Niessen Ranch	Dublin	CA		J.R. Cronin	Livestock		
<sup>2</sup> 13-	3S/1W-1G1	2000' E of San Ramon Rd., 100' North Country Club Rd				Volk-McLain Communities, Inc.	Municipal		
<sup>2</sup> 14-	3S/1W-2	Dublin Canyon Rd.	Dublin	CA		Banke			
<sup>2</sup> 15-	3S/1W-2B1	1 mi E of Dublin Blvd., 0.3 mi down N Walnut Creek Rd	Dublin	CA		R. Banke	Irrigation		
<sup>2</sup> 16-	3S/1W-3P1	1 mi up Foothill Rd. from San Ramon Valley Blvd.	Dublin	CA		Ron Stadey	Domestic		
<sup>2</sup> 17-	3S/1W-3Q5	Old Dublin Rd. parcel 44624				Caltrans	Test Well		
<sup>2</sup> 18-	3S/1W-3P2	Old Dublin Rd. west of Foothill 1 mile				Livermore-Amador Valley Management Agency			
<sup>2</sup> 19-	3S/1W-12A1?	From Dublin S 1mile Foothill Rd. to Mexican Camp				R.M. Wing	Irrigation		
<sup>2</sup> 20-	3S/1W-12H3?	West end of Stoneridge Ave, west of Hopyard Rd.				Livermore-Amador Valley Management Agency			
<sup>2</sup> 21-	3S/1W-12?	Foothill, section 12, SW corner				Mills			
<sup>2</sup> 22-	3S/1W-12L1?	Rt. 1, Box 450, Foothill Road (Highway 21)		CA		Ralph E. Merritt	Irrigation		
<sup>2</sup> 23-	3S/1W-12Q2	500' E of Foothill Road	Dublin	CA		Lance Woods	Domestic		
<sup>2</sup> 24-	3S/1W-2R81?	Section 2, SE quarter	Dublin	CA		Joe Martin			
<sup>2</sup> 25-	3S/1W-2P?	Section 2, SW quarter	Dublin	CA		Jim Nutt			
<sup>2</sup> 26-	3S/1W-2R1	Section 2, SE quarter	Dublin	CA		Joe Martin			
<sup>2</sup> 27-	3S/1W-2H91?	Section 2	Dublin	CA		Roy Neidt			
<sup>2</sup> 28-	3S/1W-2H90?	Section 2	Dublin	CA		Coffee	Domestic		

DWR: Department of Water Resources

<sup>1</sup> Well Locations shown on Figure 1.

<sup>2</sup> Specific address cannot be located on map.

**ATTACHMENT A**

B

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**EXXON #7-0210 (T0600100553) - (MAP)**

7840 AMADOR VALLEY  
 DUBLIN, CA 94568  
 ALAMEDA COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: RO0002424  
 SAN FRANCISCO BAY RWQCB (REGION 2)

CASEWORKER: SAN FRANCISCO BAY RWQCB

**CUF Claim #:**

5364

**CUF Amount Paid:**

\$33,323

Regulatory Profile

**CLEANUP STATUS**

**COMPLETED - CASE CLOSED AS OF 6/27/2007**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

A

**FILE LOCATION**

LOCAL AGENCY

Site History

LUFT Con. LC

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	9/9/9999	Leak Began
NOTICES	10/27/1992	Notice of Responsibility - #UNK
LEAK ACTION	11/4/1991	Leak Reported
LEAK ACTION	10/31/1991	Leak Discovery
REMEDIATION	10/28/1991	Excavate and Dispose

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STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER

## EXXON #7-6210 (T0619717268) - (MAP)

7840 AMADOR VALLEY  
 DUBLIN, CA 94568  
 ALAMEDA COUNTY  
 LUST CLEANUP SITE

### CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: RO0002954  
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0600

### Regulatory Profile

#### CLEANUP STATUS

**COMPLETED - CASE CLOSED AS OF 6/10/1997**

#### POTENTIAL CONTAMINANTS OF CONCERN

GASOLINE

#### POTENTIAL MEDIA AFFECTED

A

#### FILE LOCATION

LOCAL AGENCY

### Site History

No site history available

### Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	11/4/1991	Leak Reported
LEAK ACTION	10/30/1991	Leak Discovery
LEAK ACTION	10/30/1991	Leak Stopped

STATE WATER RESOURCES CONTROL BOARD  
**GEO**TRACKER

**CROW CANYON CLEANERS (SL0600100792) - (MAP)**

7242 SAN RAMON ROAD  
DUBLIN, CA 94568  
ALAMEDA COUNTY  
CLEANUP PROGRAM SITE

**CLEANUP OVERSIGHT AGENCIES**  
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD)  
CASEWORKER: [SAN FRANCISCO BAY RWQCB](#)  
ALAMEDA COUNTY LOP - CASE #: RO0002863  
CASEWORKER: [JERRY WICKHAM](#)

Regulatory Profile

**CLEANUP STATUS**

**OPEN - SITE ASSESSMENT AS OF 7/27/2005**

**POTENTIAL CONTAMINANTS OF CONCERN**

TETRACHLOROETHYLENE (PCE)

**POTENTIAL MEDIA AFFECTED**

AQUIFER USED FOR DRINKING WATER  
SUPPLY

**FILE LOCATION**

Site History

No site history available

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	2/8/2005	Leak Reported
LEAK ACTION	1/27/2005	Leak Discovery

P

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CROW CANYON CLEANERS (T06019764784) - (MAP)**

7272 SAN RAMON  
 DUBLIN, CA 94568  
 ALAMEDA COUNTY  
 CLEANUP PROGRAM SITE

**CLEANUP OVERSIGHT AGENCIES**  
 ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002863  
 CASEWORKER: [STEVEN PLUNKETT](#)  
 SAN FRANCISCO BAY RWQCB (REGION 2)

Regulatory Profile

**CLEANUP STATUS**

**OPEN - SITE ASSESSMENT AS OF 7/26/2005**

**POTENTIAL CONTAMINANTS OF CONCERN**

TETRACHLOROETHYLENE (PCE)

**POTENTIAL MEDIA AFFECTED**

A

**FILE LOCATION**

LOCAL AGENCY

Site History

No site history available

Cleanup Status History

DATE	STATUS
7/26/2005	Open - Site Assessment

Regulatory Activities

	ACTION TYPE	ACTION DATE	ACTION
	LEAK ACTION	9/9/9999	Leak Began
	RESPONSE	9/9/9999	Nor Applicable
	REMEDICATION	9/9/9999	
	ENFORCEMENT	9/9/9999	- #0
<a href="#">VIEW DOCS</a>	OTHER REGULATORY ACTIONS	3/4/2009	Technical Correspondence / Assistance / Other - #20090304
<a href="#">VIEW DOCS</a>	OTHER REGULATORY ACTIONS	1/23/2009	Technical Correspondence / Assistance / Other - #20090123
<a href="#">VIEW DOCS</a>	OTHER REGULATORY ACTIONS	10/1/2008	Technical Correspondence / Assistance / Other - #20081001
	LEAK ACTION	2/8/2005	Leak Reported
	LEAK ACTION	1/27/2005	Leak Discovery

E

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**TARGET STORE INC (T0600101336) - (MAP)**

7608 AMADOR VALLEY  
 DUBLIN, CA 94568  
 ALAMEDA COUNTY  
 LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: RO0001170  
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1447  
 CASEWORKER: [SAN FRANCISCO BAY RWQCB](#)

Regulatory Profile

CLEANUP STATUS

**COMPLETED - CASE CLOSED AS OF 3/21/1996**

POTENTIAL CONTAMINANTS OF CONCERN

DIESEL

POTENTIAL MEDIA AFFECTED

OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

FILE LOCATION

LOCAL AGENCY

Site History

LUFT Con. LC 3HSCAWG 03/21/1996

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
3/21/1996	Completed - Case Closed

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	9/9/9999	Leak Began
LEAK ACTION	9/9/9999	Leak Discovery
REMEDIATION	10/17/1991	Pump and Treat Groundwater
LEAK ACTION	9/25/1990	Leak Reported

F

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**AMADOR VALLEY MEDICAL CLINIC (T0600100077) - (MAP)**

7667 AMADOR VALLEY  
 DUBLIN, CA 94568  
 ALAMEDA COUNTY  
 LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: R00000933  
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0084  
 CASEWORKER: [SAN FRANCISCO BAY RWQCB](#)

CUF Claim #:  
 CUF Amount Paid:

8886

Regulatory Profile

CLEANUP STATUS

**COMPLETED - CASE CLOSED AS OF 3/9/1996**

POTENTIAL CONTAMINANTS OF CONCERN

GASOLINE

POTENTIAL MEDIA AFFECTED

A

FILE LOCATION

LOCAL AGENCY

Site History

LUFT Con. LC 3HSCAWG y 1s03/09/1996

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	
LEAK ACTION	9/9/9999	Leak Discovery
LEAK ACTION	12/24/1992	Leak Reported

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STATE WATER RESOURCES CONTROL BOARD  
**GEO**TRACKER

**AUTO PARTS STORE (T06019760478) - (MAP)**

7100 REGIONAL  
DUBLIN, CA 98009  
ALAMEDA COUNTY  
CLEANUP PROGRAM SITE

**CLEANUP OVERSIGHT AGENCIES**  
ALAMEDA COUNTY LOP (*LEAD*) - CASE #: RO0002678  
SAN FRANCISCO BAY RWQCB (REGION 2)

Regulatory Profile

**CLEANUP STATUS**

**COMPLETED - CASE CLOSED AS OF 11/13/2000**

**POTENTIAL CONTAMINANTS OF CONCERN**

**POTENTIAL MEDIA AFFECTED**

U

**FILE LOCATION**

LOCAL AGENCY

Site History

No site history available

Regulatory Activities

NO REGULATORY ACTIVITIES HAVE BEEN ENTERED FOR THIS SITE

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STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER

## DUBLIN RETAIL CENTER (T06019769979) - (MAP)

7900 DUBLIN  
 DUBLIN, CA 94568  
 ALAMEDA COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: R00002446  
 SAN FRANCISCO BAY RWQCB (REGION 2)

Regulatory Profile

**CLEANUP STATUS**

**COMPLETED - CASE CLOSED AS OF 6/27/2005**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

A

**FILE LOCATION**

LOCAL AGENCY

Site History

LUFT Con. LC

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	9/9/9999	Leak Began
REMEDIATION	9/9/9999	
LEAK ACTION	2/25/2003	Leak Reported
NOTICES	4/17/2002	Notice of Responsibility - #UNK
LEAK ACTION	9/29/1998	Leak Discovery

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CHEVRON #9-5542 (T0600100354) - (MAP)**

7007 SAN RAMON  
DUBLIN, CA 94568  
ALAMEDA COUNTY  
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (*LEAD*) - CASE #: RO0000206

*CASEWORKER:* [PARESH KHATRI](#)

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0385

*CASEWORKER:* [SAN FRANCISCO BAY RWQCB](#)

CUF Claim #:

5909

CUF Amount Paid:

\$228,065

Regulatory Profile

CLEANUP STATUS

**OPEN - VERIFICATION MONITORING AS OF 3/23/1998**

POTENTIAL CONTAMINANTS OF CONCERN

GASOLINE

POTENTIAL MEDIA AFFECTED

A

FILE LOCATION

LOCAL AGENCY

Site History

LUFT Con. LC 3HSCAWG 10 to 30ppb MTBE in groundwater04/08/1996

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
3/23/1998	Open - Verification Monitoring

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	9/9/9999	Leak Began
LEAK ACTION	2/27/1990	Leak Reported
REMEDATION	2/13/1990	Excavate and Dispose
LEAK ACTION	2/13/1990	Leak Discovery

**ATTACHMENT B**

# Field Exploratory Boring Log B-1

OVM (ppm)	Blows/6"	Sample Number	Depth (ft)	Soil Group (USCS)	Materials Description
			0	Asphalt	
			5	Silty Clay (CL)	Black (10YR 2/1); very stiff, moist, 80% clay, 15% silt, 5% very fine sand.
0	6 6 7		6		Color change to Gray (5Y 5/1); stiff, wet.
0	5 10 13	B-1-13'	10		Change to very stiff, moist.
0	12 12 15	B-1-18'	15		Color change to Dark Grayish Brown (10YR 4/2), very stiff, moist to wet, increase in very fine sand content.
			18	▽	Saturated at 18 ft.
					Total Depth of Boring = 18.0 feet.

**BORING  
B-1**

**UNOCAL CORPORATION - CERT**  
 Unocal SS No. 7176  
 7850 Amador Valley Boulevard  
 Dublin, California

Borehole Diameter: 8 inches  
 Logged by: C. Galantine  
 Driller: Mitchell  
 Date Started: 7-7-95  
 Date Completed: 7-7-95

**enviros**®  
 95132.02

# Field Exploratory Boring Log B-2

OVM (ppm)	Blows/6"	Sample Number	Depth (ft)	Soil Group (USCS)	Materials Description
			0	Asphalt	
			1	Silty Clay (CL)	Black (10YR 2/1); very stiff, moist, 80% clay, 15% silt, 5% very fine sand.
			2	Gravel with Clay (GW-GC)	Dark Grayish Brown (10YR 4/2), medium dense, moist, 75% fine gravel, 10% clay, 15% fine to coarse sand.
			3	Clayey Silt (ML)	Dark Grayish Brown (10YR 4/2), stiff, moist, 65% silt, 30% clay, 5% very fine sand.
			4	Silty Clay (CL)	Dark Grayish Brown (10YR 4/2); very stiff, moist, 65% clay, 30% silt, 5% very fine sand.
0	7 7 8		5		
0	9 11 13		10		
0	9 13 17	B-2-16'	16		Change to damp, increase in clay content, trace fine gravel.
					Total Depth of Boring = 16.0 feet.

<b>BORING B-2</b>	<b>UNOCAL CORPORATION - CERT</b> Unocal SS No. 7176 7850 Amador Valley Boulevard Dublin, California	Borehole Diameter: 8 inches Logged by: C. Galantine Driller: Mitchell Date Started: 7-7-95 Date Completed: 7-7-95	<b>enviros®</b>  95132.02
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# Field Exploratory Boring Log B-3

OVM (ppm)	Blows/6"	Sample Number	Depth (ft)	Soil Group (USCS)	Materials Description
			0		Asphalt
			5		Silty Clay (CL) Black (10YR 2/1); very stiff, moist, 85% clay, 10% silt, 5% very fine sand.
0	4 7 7		5		Color change to Dark Gray (5Y 4/1).
			10		Change to very stiff, increase in silt content.
0	7 9 12	B-3-11'	10		
0	8 10 13		15		Change to 75% clay, 20% silt, 5% very fine sand.
			15		Color change to Olive Gray (10YR 4/2), 70% clay, 20-25% silt, 5-10% very fine sand.
0	9 9 15	B-3-17'	15		Change to 60% clay, 20% silt, 20% fine to coarse sand.
0	8 11 13		19.5		Gravel with Clay (GW-GC) Olive Gray (5Y 4/2), medium dense, wet, 75% fine gravel, 10% clay, 15% fine to coarse sand.
					Total Depth of Boring = 19.5 feet.

**BORING  
B-3**

**UNOCAL CORPORATION - CERT**  
 Unocal SS No. 7176  
 7850 Amador Valley Boulevard  
 Dublin, California

Borehole Diameter: 8 inches  
 Logged by: C. Galantine  
 Driller: Mitchell  
 Date Started: 7-7-95  
 Date Completed: 7-7-95

**enviros**®  
95132.02

# Field Exploratory Boring Log B-4

OVM (ppm)	Blows/6"	Sample Number	Depth (ft)	Soil Group (USCS)	Materials Description
			0	Concrete	
			5	Silty Clay (CL)	Black (10YR 2/1); very stiff, moist, 85% clay, 10% silt, 5% very fine sand.
0	4 5 8		10	Clayey Silt (ML)	Dark Brown (10YR 3/3); stiff, moist, 60% silt, 35% clay, 5% very fine sand.
0	6 9 10	B-4-11.5'	16		Change to very stiff.
0	7 10 14	B-4-16'			Color change to Olive Gray (10YR 4/2).
					Total Depth of Boring = 16 feet.

**BORING  
B-4**

**UNOCAL CORPORATION - CERT**  
 Unocal SS No. 7176  
 7850 Amador Valley Boulevard  
 Dublin, California

Borehole Diameter: 8 inches  
 Logged by: C. Galantine  
 Driller: Mitchell  
 Date Started: 7-7-95  
 Date Completed: 7-7-95

**enviros**®  
 95132.02

# Field Exploratory Boring Log B-5

OVM (ppm)	Blows/6"	Sample Number	Depth (ft)	Soil Group (USCS)	Materials Description
				Asphalt	
				Silty Clay (CL)	Black (10YR 2/1); stiff, moist, 75% clay, 20% silt, 5% very fine sand.
	5		5	Clayey Silt (ML)	Very Dark Grayish Brown (10YR 3/2); stiff, moist, 70% silt, 25% clay, 5% very fine to coarse sand, sand stringers and pockets.
0	6			Sandy Silt (ML)	Black (5Y 2.5/2); stiff, moist, 80% silt, 20% very fine to medium sand.
	9			Silty Clay (CL)	Dark Olive Gray (5Y 3/2); very stiff, moist, 55% clay, 40% silt, 5% very fine sand.
0	7		10	Silty Sand (SM)	Dark Olive Gray (5Y 3/2); medium dense, moist, 75% fine to medium sand, 25% silt.
	9			Sandy Clay (CL)	Dark Olive Gray (5Y 3/2); very stiff, moist, 65% clay, 20% very fine sand, 15% silt.
0	14			Silty Clay (CL)	Dark Gray (5Y 4/1); hard, moist to wet, 70% clay, 20% silt, 10% very fine sand.
	5	B-5-14.5'	15		
0	10				
	16				
11	12				
	15	B-5-18'			
0	18				
	10				
	13				
	19		19.5	Gravel with Clay (GW-GC)	Olive Gray (5Y 4/2), dense, saturated, 75% fine gravel, 15% fine to coarse sand, 10% clay.
					Saturated at 19 ft.
					Total Depth of Boring = 19.5 feet.

**BORING  
B-5**

**UNOCAL CORPORATION - CERT**  
 Unocal SS No. 7176  
 7850 Amador Valley Boulevard  
 Dublin, California

Borehole Diameter: 8 inches  
 Logged by: C. Galantine  
 Driller: Mitchell  
 Date Started: 7-7-95  
 Date Completed: 7-7-95

**enviros**®  
 95132.02

# Field Exploratory Boring Log B-6

OVM (ppm)	Blows/6"	Sample Number	Depth (ft)	Soil Group (USCS)	Materials Description
			0	Concrete	
			5	Silty Clay (CL)	Black (10YR 2/1); stiff, moist, 80% clay, 15% silt, 5% very fine sand.
0	14 20 23		10		Color change to Dark Gray (5Y 4/1); stiff, moist, 70% clay, 20% silt, 10% very fine sand.
0	20 21 26		15		Change to 80% clay, 15% silt, 5% very fine sand.
0	20 23 30	B-6-14.5'	19.5		Color change to Dark Olive Gray (5Y 3/2).
0 6	19 23 29 16 24 31	B-6-19.5'		Gravel with Clay (GW-GC)	Dark Gray (10YR 4/1), very dense, wet, 75% fine gravel, 10% clay, 15% fine to coarse sand.
					Total Depth of Boring = 19.5 feet.

**BORING  
B-6**

**UNOCAL CORPORATION - CERT**  
 Unocal SS No. 7176  
 7850 Amador Valley Boulevard  
 Dublin, California

Borehole Diameter: 8 inches  
 Logged by: C. Galantine  
 Driller: Mitchell  
 Date Started: 7-7-95  
 Date Completed: 7-7-95

**enviros**®  
 95132.02

# Field Exploratory Boring Log of Well U-1

OVM PPM	Blows/ 6"	Sample Number	Well Construction	Depth (ft)	Soil Group (USCS)	Materials Description
			Cement	1		Asphalt
				2		Silt with Sand (ML) Fill Material
				3		Very Dark Grayish Brown (10YR 3/2); stiff, moist, 75% silt, 15% fine to coarse sand, 10% fine gravel.
			2-in. Sch. 40 PVC	4		
0	7			5	Silty Sand (SM)	Dark Grayish Brown (10YR 4/2); medium dense, moist, 75% very fine sand, 20% silt, 5% fine gravel.
	9			6		
	13			7	Silty Clay (CL)	Dark Grayish Brown (10YR 4/2); very stiff, moist, 70% clay, 25% silt, 5% very fine sand, plastic, rootlets.
			Bent. 1-Fl.	8		
				9		
0	8			10		
	8	U-1-10.5'		11		
	14			12	Silt (ML)	Dark Olive Gray (5Y 3/2); very stiff, moist, 80% silt, 10% clay, 10% fine sand.
				13		
				14		
	5			15		
0	10			16		
	13			17		
			Lonestar #3 Sandpack	18		
				19		Saturated at 19 ft.
	12	U-1-18.5'		20	Gravel with Silt and Sand (GW-GM)	Olive Gray (5Y 4/2); dense, saturated, 75% fine to coarse gravel, 15% fine to coarse sand, 10% silt.
20	14			21		
	17			22	Silty Clay (CL)	Dark Olive Gray (5Y 3/2); stiff, wet, 70% clay, 25% silt, 5% very fine sand.
			2-in. Sch. 40 PVC - 0.02-in. Mill Slot	23		
				24		
	9			25		Color change to Dark Grayish Brown (10YR 4/2); very stiff, wet, increase in clay content.
0	13			26		
	16			27		
				28		
	12			29		
0	17			30		
	26			30		Total Depth of Boring = 30 ft.

**WELL**  
**U-1**

**UNOCAL CORPORATION - CERT**  
Unocal SS No. 7176  
7850 Amador Valley Road  
Dublin, California

Borehole Diameter: 8 inches  
Logged by: C. Galantine  
Driller: Mitchell  
Date Started: 7-6-95  
Date Completed: 7-6-95

**enviros**®  
95132.02

# Field Exploratory Boring Log of Well U-2

OVM PPM	Blows/6"	Sample Number	Well Construction	Depth (ft)	Soil Group (USCS)	Materials Description
			Cement	▲	1	Asphalt
				▲	2	Silt with Sand (ML) Fill Material
				▲	3	Very Dark Grayish Brown (10YR 3/2); stiff, moist, 75% silt, 15% fine to coarse sand, 10% fine gravel.
			2-in. Sch. 40 PVC	▲	4	Silty Clay (CL)
	6			▲	5	Black (10YR 2/1); very stiff, moist, 80% clay, 15% silt, 5% very fine sand.
0	8			▲	6	Color change to Very Dark Grayish Brown (10YR 3/2); very stiff, moist, 60% clay, 30% silt, 10% very fine sand.
	9		Bent. 1- Ft.	▲	7	
				▲	8	Color change to Dark Olive Gray (5Y 3/2).
0	11			▲	9	
	15			▲	10	Color change to Very Dark Gray (10YR 3/1).
			2-in. Sch. 40 PVC - 0.02-in. Mill Slot	▲	11	
	10			▲	12	Color change to Dark Olive Gray (5Y 3/2).
0	15			▲	13	
		U-2-13'		▲	14	
				▲	15	Color change to Dark Olive Gray (5Y 3/2).
	12			▲	16	
2	12			▲	17	Saturated at 17.5 ft.
	18			▲	18	Sandy Silt (ML)
34	9		Lonestar #3 Sandpack	▲	19	Olive Gray (5Y 4/2); very hard, wet to saturated, 60% silt, 35% very fine sand, 5% clay.
	14			▲	20	
	17	U-2-17.5'		▲	21	Sandy Clay (CL)
				▲	22	Dark Gray (5Y 4/1); very stiff, wet, 60% clay, 20% silt, 20% very fine sand.
				▲	23	
	5			▲	24	
0	12			▲	25	
	16			▲	26	
				▲	27	Silty Clay (CL)
				▲	28	Dark Brown (10YR 3/3); hard, wet, 85% clay, 10% silt, 5% very fine sand.
	13			▲	29	
6.3	15			▲	30	Total Depth of Boring = 30 ft.
	20			▲		

**WELL**  
**U-2**

**UNOCAL CORPORATION - CERT**  
Unocal SS No. 7176  
7850 Amador Valley Road  
Dublin, California

Borehole Diameter: 8 inches  
Logged by: C. Galantine  
Driller: Mitchell  
Date Started: 7-6-95  
Date Completed: 7-6-95

**enviros**<sup>®</sup>  
95132.02

# Field Exploratory Boring Log of Well U-3

OVM PPM	Blows/6"	Sample Number	Well Construction	Depth (ft)	Soil Group (USCS)	Materials Description
			▲	1		Asphalt
			▲	2		Silt with Sand (ML) Fill Material Very Dark Gray (10YR 3/1); stiff, moist, 80% silt, 20% fine sand.
			▲	3		
	8		▲	4		Silty Clay (CL) Black (10YR 2/1); very stiff, moist, 80% clay, 15% silt, 5% very fine sand.
0	16		▲	5		
	16		▲	6		Sandy Silt (I/ML) Dark Grayish Brown (10YR 4/2); hard, moist, 55% silt, 40% very fine to coarse sand, 5% clay.
			▲	7		
			▲	8		
	9		▲	9		
0	13		▲	10		Increase in silt and clay content.
	18		▲	11		
			▲	12		Clayey Silt (ML) Dark Grayish Brown (10YR 4/2); hard, moist, 60% silt, 30% clay, 10% very fine to fine sand.
			▲	13		
	7		▲	14		
0	17		▲	15		
	17		▲	16		
			▲	17		Silty Clay (CL) Dark Grayish Brown (10YR 4/2); very stiff, moist to saturated, 55% clay, 40% silt, 5% very fine sand. Saturated at 18 ft.
0	12	U-3-17.5'	▲	18		
	12		▲	19		
			▲	20		
			▲	21		
			▲	22		
			▲	23		
	13		▲	24		Color change to Dark Grayish Brown (10YR 4/2); hard, wet, increase in clay content.
0	18		▲	25		
	25		▲	26		
			▲	27		
			▲	28		
	12		▲	29		
0	15		▲	30		
	22		▲			Total Depth of Boring = 30 ft.

<b>WELL</b>  <b>U-3</b>	<b>UNOCAL CORPORATION - CERT</b> Unocal SS No. 7176 7850 Amador Valley Road Dublin, California	Borehole Diameter: 8 inches Logged by: C. Galantine Driller: Mitchell Date Started: 7-6-95 Date Completed: 7-6-95	  95132.02
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Project No.: 2092 Boring: B7/MW4 Plate: APPENDIX  
 Site: Tosco (Union) 76 Service Station 7176 Date: 4/15/98  
 Drill Contractor: Woodward Drilling

Sample Method: Split Spoon Geologist: ROBERT H. ENKEBOLL  
 Drill Rig: Mobile B-57 Bore Hole Diameter: 8" Signature:  
 Location: 80 Feet Southwest of Well U1 Registration: R.G. 5034  
 30 Feet South of Southern Site Boundary Logged by: Sue Shallenberger

DEPTH (ft)	BLOW COUNTS	PID/OVM (ppm)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
						2" asphalt, 8" base	
5-20	0				ML	Clayey silt, some sand and gravel, very dark greyish brown, damp, subangular gravel to 1"	
10-14	0				CL	Transitioning to silty clay, abundant discontinuous calcium veinlets, sand and gravel interfingered at 9 feet	
15-26	0						
20-20	7				ML	Clayey silt, some gravel and sand, olive grey, moist, trace of sand, gravel rounded to sub-angular, up to 1" in size, sparse plant stems to 1 1/4", sand and gravel pocket 2" in diameter, fine-to coarse-grained sand, gravel to 1/4"	
25-25	2				CL GP	Silty clay, dark greyish brown, wet, sparse gravel Sandy gravel, dark greyish brown, wet, gravel to 1"	
						Total depth at 25 feet Groundwater encountered at 20 feet	

Casing Diameter: 2" Slot Size: 0.010" Sand Size: 2/12" Grout: Portland Cement



Project No.: 2092 Boring: B8/MW5 Plate: APPENDIX  
 Site: Tosco (Union) 76 Service Station 7176 Date: 4/15/98  
 Drill Contractor: Woodward Drilling

Sample Method: Split Spoon Geologist: ROBERT H. ENKEBOLL  
 Drill Rig: Mobile B-57 Bore Hole Diameter: 8" Signature: \_\_\_\_\_  
 Location: 95 Feet East of Well MW4 Registration: R.G. 5034  
85 Feet Southeast of Well U1 Logged by: Sue Shallenberger

DEPTH (ft)	BLOW COUNTS	PID/OVM (ppm)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
5-15	0				CL	3" asphalt, 14" baserock Silty clay, dark greyish brown, damp with sandy gravel at 4'. gravel rounded to subangular, up to 1 1/2"	
10-13	0					mottled brown and dark greyish brown, moist, with discontinuous calcium deposit veinlets, some rootlets, trace of sand, sparse gravel to 1/2"	
15-12	0						
20-9	2				ML	Clayey silt, mottled brown and greenish grey, wet, some calcium veinlets, trace of sand	
25-22					CL	Clay, dark greyish brown, wet, some gravel to 1/2"	
						Total depth at 25 feet Groundwater encountered at 20 feet	

Casing Diameter: 2" Slot Size: 0.010, Sand Size: 2/12, Grout: Portland Cement

PROJECT NAME: <b>CONOCOPHILLIPS STATION 7176</b>		SITE LOCATION: <b>7850 AMADOR VALLEY BLVD, DUBLIN</b>		
DRILLING COMPANY: <b>WOODWARD</b>	DRILL RIG: <b>B57</b>	DRILL CREW: <b>DAVID, TIM</b>	DATE DRILLED: <b>NOVEMBER 3, 2004</b>	
DRILLING METHOD: <b>HOLLOW-STEM AUGER</b>		BORING DIAMETER (IN): <b>8"</b>	TOTAL DEPTH OF BORING (FT): <b>21.5</b>	LOGGED BY: <b>J. SMITH</b>
SAMPLING METHOD: <b>SPLIT-SPOON</b>	HAMMER WEIGHT (LBS): <b>140</b>	HAMMER DROP (IN): <b>30</b>	REVIEWED BY: <b>J. DOUGLAS</b>	

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0							CH	Asphalt and artificial fill: water-knifed to 5 feet below ground surface.
5			6/7/7	0.0			CH	FAT CLAY with SAND: very dark grayish (10YR 3/2); medium plasticity; high dry strength; no dilatancy; low toughness; trace fine gravel; few fine- to coarse-grained sand; moist; firm.  Trace fine-grained sand.
10			4/6/10	0.0			CH	
15		SB1-16	9/12/13	3.0			CL	LEAN CLAY: dark gray (2.5Y 4/1); low plasticity; high dry strength; no dilatancy; medium toughness; trace fine-grained sand; moist; hard.
20			9/3/3	0.0			SC	CLAYEY SAND: dark greenish gray (10Y/4); fine- to coarse-grained; trace fine, rounded gravel; wet; loose.  Boring terminated at 21.5 feet below ground surface. Groundwater first encountered at 20 feet below ground surface.
25								
30								

LOG OF BORINGS REVISED BOREL104.GPJ MBE:GDT 12/1/04

**NOTES:**

-  = sample interval
-  = no sample recovery
-  = laboratory sample
-  = groundwater first encountered
-  = static groundwater
-  = photoionization detector
- NM = not measured
- NA = not applicable
- NR = not recorded
- ppm = parts per million



**LOG OF BORING SB1**

Jed A. Douglas, R.G. 7516

PROJECT NUMBER 06-459-7176-03

PAGE 1 OF 1

PROJECT NAME: <b>CONOCOPHILLIPS STATION 7176</b>		SITE LOCATION: <b>7850 AMADOR VALLEY BLVD, DUBLIN</b>		
DRILLING COMPANY: <b>WOODWARD</b>	DRILL RIG: <b>B57</b>	DRILL CREW: <b>DAVID, TIM</b>	DATE DRILLED: <b>NOVEMBER 3, 2004</b>	
DRILLING METHOD: <b>HOLLOW-STEM AUGER</b>		BORING DIAMETER (IN): <b>8"</b>	TOTAL DEPTH OF BORING (FT): <b>26.5</b>	LOGGED BY: <b>J. SMITH</b>
SAMPLING METHOD: <b>SPLIT-SPOON</b>	HAMMER WEIGHT (LBS): <b>140</b>	HAMMER DROP (IN): <b>30</b>	REVIEWED BY: <b>J. DOUGLAS</b>	

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0							CH	Asphalt and artificial fill: water-knifed to 5 feet below ground surface.
5			4/4/4	1.3				FAT CLAY with SAND: very dark grayish brown (10YR 3/2); medium plasticity; high dry strength; no dilatancy; low toughness; few fine subrounded gravel; few fine-grained sand; moist; soft.
10			4/5/6	2.2				Medium toughness; trace fine-grained sand.
15		SB2-16	7/9/15	4.7				
20			4/4/4	6.4		▽	SM	SILTY SAND with GRAVEL: very dark grayish brown (10YR 3/2); fine- to coarse-grained; few fine rounded gravel; wet; loose.
25			7/9/10	2.8			ML	SILT: very dark grayish brown (10YR 3/2); medium plasticity; high dry strength; low dilatancy; medium toughness; trace fine gravel; moist; firm. Boring terminated at 26.5 feet below ground surface. Groundwater first encountered at 20 feet below ground surface.
30								

LOG OF BORINGS REVISED BOREL104.GPJ MBE:GDT 12/1/04

NOTES:

= sample interval	= groundwater first encountered	NM = not measured
= no sample recovery	= static groundwater	NA = not applicable
= laboratory sample	PID = photoionization detector	NR = not recorded
		ppm = parts per million



LOG OF BORING SB2

Jed A. Douglas, R.G. 7516

PROJECT NUMBER 06-459-7176-03

PAGE 1 OF 1

PROJECT NAME: <b>CONOCOPHILLIPS STATION 7176</b>		SITE LOCATION: <b>7850 AMADOR VALLEY BLVD, DUBLIN</b>		
DRILLING COMPANY: <b>WOODWARD</b>	DRILL RIG: <b>B57</b>	DRILL CREW: <b>DAVID, TIM</b>	DATE DRILLED: <b>NOVEMBER 3, 2004</b>	
DRILLING METHOD: <b>HOLLOW-STEM AUGER</b>		BORING DIAMETER (IN): <b>8"</b>	TOTAL DEPTH OF BORING (FT): <b>26.5</b>	LOGGED BY: <b>J. SMITH</b>
SAMPLING METHOD: <b>SPLIT-SPOON</b>	HAMMER WEIGHT (LBS): <b>140</b>	HAMMER DROP (IN): <b>30</b>	REVIEWED BY: <b>J. DOUGLAS</b>	

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0							CH	Asphalt and artificial fill: water-knifed to 5 feet below ground surface.
5			6/8/9	1.1			CH	FAT CLAY: dark grayish brown (10YR 4/2); medium plasticity; high dry strength; no dilatancy; medium toughness; few fine gravel; few fine-grained sand; moist; firm.
10			7/8/10	1.1			ML CH	SILT: brown (10YR 5/3); medium plasticity; high dry strength; low dilatancy; medium toughness; moist; firm. FAT CLAY: dark gray (10YR 4/1); medium plasticity; high dry strength; no dilatancy; medium toughness; few fine gravel; few fine-grained sand; moist; firm.
15		SB3-16	7/8/9	1.4			SM	SILTY SAND with GRAVEL: greenish gray (10Y/5); fine- to coarse-grained; few fine gravel; wet; loose.
20			6/7/7	44			SM	
25			6/8/10	3.9			ML	SILT: dark greenish gray (10Y/4); medium plasticity; high dry strength; low dilatancy; low toughness; trace fine-grained sand; moist to very moist; firm. Boring terminated at 26.5 feet below ground surface. Groundwater first encountered at 20 feet below ground surface.
30								

LOG OF BORINGS REVISED BOREL104.GPJ MBE:GDT 12/1/04

NOTES:

= sample interval	= groundwater first encountered	NM = not measured
= no sample recovery	= static groundwater	NA = not applicable
= laboratory sample	PID = photoionization detector	NR = not recorded
		ppm = parts per million



LOG OF BORING SB3

Jed A. Douglas, R.G. 7516

PROJECT NUMBER 06-459-7176-03

PAGE 1 OF 1

PROJECT NAME: <b>CONOCOPHILLIPS STATION 7176</b>		SITE LOCATION: <b>7850 AMADOR VALLEY BLVD, DUBLIN</b>		
DRILLING COMPANY: <b>WOODWARD</b>	DRILL RIG: <b>B57</b>	DRILL CREW: <b>DAVID, TIM</b>	DATE DRILLED: <b>NOVEMBER 3, 2004</b>	
DRILLING METHOD: <b>HOLLOW-STEM AUGER</b>		BORING DIAMETER (IN): <b>8"</b>	TOTAL DEPTH OF BORING (FT): <b>21.5</b>	LOGGED BY: <b>J. SMITH</b>
SAMPLING METHOD: <b>SPLIT-SPOON</b>	HAMMER WEIGHT (LBS): <b>140</b>	HAMMER DROP (IN): <b>30</b>	REVIEWED BY: <b>J. DOUGLAS</b>	

DEPTH (FT)	SAMPLE LOCATION	SAMPLE ID	BLOWS PER 6 IN	PID (ppm)	GRAPHIC LOG	GW LEVEL	USCS SOIL GROUP	DESCRIPTION OF SUBSURFACE MATERIALS
0								Asphalt and artificial fill: water-knifed to 5 feet below ground surface.
5			4/5/7	0.0			CH	FAT CLAY: dark grayish brown (10YR 4/2); medium plasticity; trace fine-grained sand; trace fine gravel; high dry strength; no dilatancy; medium toughness; moist; firm.
10			7/7/9	0.0				
15		SB4-16	9/9/10	0.0				
20			6/10/11	0.0			SM	SILTY SAND: dark gray (10YR 4/2); fine- to coarse-grained sand; some fine gravel; wet; medium dense.
25								Boring terminated at 21.5 feet below ground surface. Groundwater first encountered at 20 feet below ground surface.
30								

LOG OF BORINGS REVISED BOREL104.GPJ MBE:GDT 12/1/04

NOTES:

= sample interval	= groundwater first encountered	NM = not measured
= no sample recovery	= static groundwater	NA = not applicable
= laboratory sample	PID = photoionization detector	NR = not recorded
		ppm = parts per million

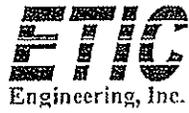


LOG OF BORING SB4

Jed A. Douglas, R.G. 7516

PROJECT NUMBER 06-459-7176-03

PAGE 1 OF 1



LOG OF SOIL BORING:

**MW5**

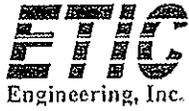
COORDINATES:

ELEVATION TOP OF CASING: 352.93

CASING BELOW SURFACE:

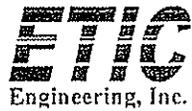
CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA	
DRILLING AND SAMPLING METHODS Mobile B-57 Rig; 8.25" O.D. Hollow Stem Auger			
WATER LEVEL	14.15'	14.86'	
TIME	0950	1052	
DATE	11/15/00	11/15/00	
REFERENCE			
		DRILLING START FINISH	
		TIME	TIME
		0857	1032
		DATE	DATE
		11/15/00	11/15/00

INCHES		BLOWS/6" SAMPLER	PID READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER						ASPHALT (4")	
							DESCRIPTION BY: Hamidou Barry / Bob Flory	
					0		Borehole cleared to 8.4ft by vacuum method. ASPHALT	
					1			
					2			
					3			
					4	SM	SILTY SAND (SM): light olive brown (2.5Y 5/4); fine sand, loose, weak cementation, low plasticity fines, damp to moist, rare angular gravel up to 0.75".	
					5			
					6			
					7			
24	24	3	0.0		8			
		7			9			
		13			10			
		15			11	CL	SILTY CLAY (CL): dark greenish gray (10Y 4/1), firm, low plasticity, damp; some fine sand, rare rounded gravel to 0.5".	
24	24	8	0.0		12			
		12			13			
		15			14	SC	CLAYEY SAND (SC): greenish gray (10Y 5/1), medium dense, weak cementation. Gravelly at 14.5', subangular-subrounded up to 1".	
		50/5"			15			
24	24	7	0.0		16	CL	SILTY CLAY (CL): greenish gray (10Y 5/1), soft to firm, low plasticity, damp.	
		9			17			
		12			18	SM/SC	SILTY CLAYEY SAND (SM/SC): greenish gray (10Y 5/1), medium dense, minor gravel, subrounded up to 0.5", damp to moist.	
24	24	6	1.0		19			
		7			20			
		9				CL	SILTY CLAY (CL): light olive brown (2.5Y 4/4), soft, medium plasticity, damp; some fine sand.	
		2	14					
		3	97					
		3						
		6	1.0					



CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA
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INCHES				WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	LOG OF SOIL BORING:  <b>MW5</b>
DRIVEN	RECOVER	BLOWS/6" SAMPLER	PID READING				
24	20	6			21		SANDY GRAVEL (GW): light yellowish brown (2.5Y 6/3), well-graded gravel, weak cementation; subrounded gravel to 1", fine to coarse sand, wet.
		6			22		
		7			23		
		9			24		SANDY, SILTY CLAY (CL): light yellowish brown (2.5Y 6/4), soft, medium plasticity, damp; fine sand.
24	24	7			25		
		7			26		
		7			27		
		8			28		
					29		
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			



LOG OF SOIL BORING:

**MW6**

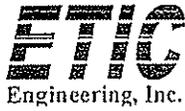
COORDINATES:

ELEVATION TOP OF CASING: 352.66

CASING BELOW SURFACE:

CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA	
DRILLING AND SAMPLING METHODS Mobile B-57 Rig; 8.25" O.D. Hollow Stem Auger			
WATER LEVEL	16.8'	14.55'	
TIME	1035	1204	
DATE	11/14/00	11/14/00	
REFERENCE	Ground Surface	Ground Surface	
		DRILLING START FINISH TIME TIME 1038 1130 DATE DATE 11/14/00 11/14/00	

INCHES		BLOWS/ 6" SAMPLER	PID READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER						ASPHALT (4")	
							DESCRIPTION BY: Hamidou Barry / Bob Flory	
					0		Borehole cleared to 4ft by vacuum method. ASPHALT	
					1			
					2			
					3	CL	SANDY CLAY (CL): yellowish brown (10YR 5/4), low plasticity, soft, damp.	
					4			
24	18	8			5			
		8			6			
		16	0.0		6		SILTY, CLAYEY SAND (SC): light olive brown (2.5Y 5/3), fine-grained sand, soft to medium dense; low plasticity fines, damp.	
		16			7			
24	24	4			7	SC		
		4			8			
		5			9			
24	24	5	0.0		9		SAME: color changes to yellowish brown (10YR 5/4).	
		5			10			
		6			10			
		7			11			
24	24	5			11	CL	SANDY CLAY (CL): olive (5Y 5/4), firm, medium plasticity, damp, fine sand.	
		5			12			
		9			13		SAME: minor medium to coarse sand.	
		10			13			
24	24	7			13			
		7			14			
		11			14	SC	CLAYEY SAND (SC): light olive brown (2.5Y 5/4), medium dense, low plasticity fine, some subrounded gravel, fine to coarse sand, moist.	
		11	0.0		15			
24	24	5			15		SAME: increase in clay content.	
		5			16			
		7			16			
		12			17			
					17			
					18	SP	SAND (SP): yellowish brown (10YR 5/6), poorly graded, fine sand, moderate cementation, medium dense, wet; some subrounded gravel up to 0.5".	
					19			
					20		Gravelly at 17ft.	



CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA
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INCHES		BLOWS/6" SAMPLER	PID READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	LOG OF SOIL BORING:  <b>MW6</b>	
DRIVEN	RECOVER							
24	24	3			21		CLAYEY SAND (SC): light yellowish brown (2.5Y 6/4), medium dense, fine sand, low plasticity clay, moist.	
		4			22			
		7			23			
		9			24			
24	12	4			25		SAME: at 25 ft, gravelly subrounded to rounded gravel to 1"; fine to coarse sand.	
		4			26			
		6			27		SANDY CLAY (CL): olive (5Y 4/3), firm to hard, medium plasticity, damp; fine sand.	
24	24	4			28			
		6			29			Boring terminated at 27ft bgs. Sampled to 27 ft.
		7	0.0		30			
		10		31				
				32				
				33				
				34				
				35				
				36				
				37				
				38				
				39				
				40				
				41				
				42				
				43				
				44				
				45				



Engineering, Inc.

LOG OF SOIL BORING: **MW7**

COORDINATES:

ELEVATION TOP OF CASING: 351.86

CASING BELOW SURFACE:

CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA
----------------------	-----------------------	--

DRILLING AND SAMPLING METHODS Mobile B-57 Rig; 8.25" O.D. Hollow Stem Auger
---

WATER LEVEL	14.3'			DRILLING	
TIME	1500			START	FINISH
DATE	11/14/00			TIME	TIME
REFERENCE				1435	1637
				DATE	DATE
				11/14/00	11/14/00

INCHES				WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER	BLOWS/6" SAMPLER	PID READING				ASPHALT (4")	
							DESCRIPTION BY: Hamidou Barry / Bob Flory	
					0		Borehole cleared to 4ft bgs by vacuum method. ASPHALT	
					1		SILTY CLAY (CL): dark olive gray (5Y 3/2), soft to firm, low plasticity, damp; some coarse sand, angular gravel up to 1".	
					2			
					3			
					4			
18	18	6			5			
		9	0.0		6		CLAYEY SAND (SC): light olive brown (2.5Y 5/3); fine sand, medium dense, nonplastic fine, damp, root traces.	
		12			7			
					8			
					9			
24	24	10	0.0		10		SAME: color change to olive brown (2.5Y 4/3), rare rounded gravel to 0.5".	
		11			11			
		12			12		SILTY CLAY (CL): olive brown (2.5Y 4/2), firm, low plasticity; some fine sand, damp, rare gravel subangular to 1".	
		14			13		CLAYEY SILT (ML): olive brown (2.5Y 4/4), soft, low plasticity, moist; some fine sand.	
24	24	5	0.0		14		CLAYEY SAND (SC): dark yellowish brown (10YR 4/4), fine sand, medium dense, moist.	
		7			15			
		9			16		SAND (SW): olive (5Y 5/3), well-graded, loose, weak cementation, some subrounded gravel to 0.5", wet.	
24	24	3			17		No recovery.	
		3			18			
		4	0.0		19		GRAVELLY SAND (SW): olive brown (2.5Y 4/4), fine to coarse sand, subrounded gravel up to 1"; weak cementation, some clay and silt, wet.	
		6			20			
		2						
		3						
		4						
		6						
24	10	9						
		11						
		10						
		12						



CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA
----------------------	-----------------------	--

INCHES				WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	LOG OF SOIL BORING: <b>MW7</b>
DRIVEN	RECOVER	BLOWS/6" SAMPLER	PID READING				
24	24	2 6			21	SP	SAND (SP): light olive brown (2.5Y 5/3), poorly graded, fine sand, loose; some coarse sand, low plasticity fine, wet.
		10 12			22		
24	24	3 6			23	CL	SANDY CLAY (CL): light olive brown (2.5Y 5/3), soft to firm, medium plasticity, damp; fine sand, some silt.
		9 12			24	SC	CLAYEY SAND (SC): olive (5Y 5/3), medium dense, fine sand, low plasticity fine, damp to moist.
24	24	10 15	4.0		25		
		17 20			26	CL	SILTY CLAY (CL): dark olive brown (2.5Y 3/3), firm to hard, low plasticity, damp.
					27		Boring terminated at 25 feet. Sampled to 26ft.
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
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				43			
				44			
				45			

**ATTACHMENT C**

**TABLE 1  
SOIL ANALYTICAL DATA**

7850 Amador Valley Road  
Dublin, California

SAMPLE NO.	SAMPLE DEPTH (FEET)	SAMPLE DATE	ANALYSIS DATE	TPH-D (PPM)	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYL BENZENE (PPM)	XYLENES (PPM)	TTLC LEAD (PPM)	O&G (PPM)	8270 (PPB)	8240 (PPB)
UW-1	8	11/8/94	11-9-94	ND	ND	ND	ND	ND	ND	ND*	ND	ND	ND
UOW-1	6	11/8/94	11-9-94	ND	ND	ND	ND	ND	ND	7.1*	ND	ND	ND
UT-1	3.5	11/8/94	11-9-94	ND	ND	ND	ND	ND	ND	--	--	--	--
UT-2	3.5	11/8/94	11-9-94	1,300	100**	ND	ND	ND	0.13	--	--	--	--
UT-3	3.5	11/8/94	11-9-94	--	3.1	0.017	0.25	0.097	0.56	--	--	--	--
UT-4	3.5	11/8/94	11-9-94	--	2,200**	ND	26	36	300	--	--	--	--
UT-5 (CS)	11	11/10/94	11-15-94	25***	740**	ND	6.5	20	110	--	--	--	--
UT-6 (CS)	11	11/10/94	11-15-94	1.1***	ND	ND	ND	ND	0.0070	--	--	--	--
UT-7 (CS)	19.5	11/30/94	12/2/94	50***	1,300**	ND	31	26	150	--	--	--	--
UT-8 (CS)	12	11/30/94	12/2/94	2.4***	180**	ND	3.8	3.0	19	--	--	--	--
UT-9 (CS)	8	11/30/94	12/2/94	ND	180**	ND	ND	ND	0.59	--	--	--	--
UT-10 (CS)	8	11/30/94	12/2/94	12	140**	ND	0.62	0.84	12	--	--	--	--
UT-11 (CS)	11	11/30/94	12/2/94	1.3***	5.1**	ND	ND	0.014	0.078	--	--	--	--
UX-1	14	11/8/94	11-9-94	9,100	--	0.98	1.8	2.7	3.4	--	--	--	--
UX-2	14	11/8/94	11-9-94	ND	--	ND	ND	ND	0.011	--	--	--	--
UX-3	15.5	11/10/94	11-14-94	--	1,600	1.6	54	24	220	ND	--	--	--
UX-4	15.5	11/10/94	11-14-94	--	1,500**	ND	11	16	160	ND	--	--	--
UX-5	15.5	11/10/94	11-14-94	--	5.2**	0.021	0.022	0.030	0.14	--	--	--	--
UX-6	15	11/10/94	11-14-94	--	11**	0.011	0.067	0.046	0.40	--	--	--	--
UX-7	15	11/10/94	11-14-94	--	2.8**	0.0062	ND	0.016	0.16	--	--	--	--
UX-8	15	11/10/94	11-14-94	--	150	0.22	3.5	2.1	21	ND	--	--	--
UX-9 (CS)	16	11/10/94	11-15-94	36	41**	ND	0.074	0.43	0.37	--	--	--	--
UX-10 (CS)	16	11/10/94	11-15-94	75	27**	ND	0.062	0.29	0.049	--	--	--	--
UX-11 (CS)	17	11/11/94	11-18-94	15***	200**	ND	1.2	0.94	13	--	--	--	--
UX-12 (CS)	17	11/11/94	11-18-94	15***	230**	ND	2.6	3.0	24	--	--	--	--
UX-13 (CS)	15	11/11/94	11-18-94	1.6***	ND	ND	ND	ND	0.0060	--	--	--	--
UX-14 (CS)	17	11/11/94	11-19-94	16***	210**	ND	0.78	0.93	9.7	--	--	--	--

**TABLE 2  
SOIL STOCKPILE ANALYTICAL DATA**

7850 Amador Valley Road  
Dublin, California

SAMPLE NO.	SAMPLE DATE	ANALYSIS DATE	TPH-D (PPM)	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYL BENZENE (PPM)	XYLENES (PPM)	TTLIC LEAD (PPM)	RCI	O&G (PPM)	8270 (PPB)	8240 (PPB)
UWS-1A-D	11/9/94	11-14-94	ND	ND	ND	ND	ND	ND	*	**	ND	ND	ND
US-1A-D	11/9/94	11-10-94	33***	--	ND	0.054	0.072	0.63	--	--	--	--	--
US-2A-D	11/9/94	11-10-94	3.5***	2.3	ND	0.013	0.0062	0.16	ND	--	--	--	--
US-3A-D	11/10/94	11-14-94	340	110****	ND	0.22	0.81	4.3	ND	**	--	--	--
US-4A-D	11/10/94	11-11-94	58	54****	ND	ND	0.35	1.4	ND	--	--	--	--
US-5A-D	11/10/94	11-11-94	27***	ND	ND	ND	ND	ND	--	--	--	--	--
US-6A-D	11/10/94	11-11-94	46***	21****	ND	ND	ND	0.11	ND	--	--	--	--
US-7A-D	11/13/94	11-14-94	35***	140****	ND	ND	0.55	8.8	ND	--	--	--	--
US-8A-D	11/13/94	11-14-94	130	130****	ND	0.57	1.0	9.4	ND	--	--	--	--
US-9A-D	11/13/94	11-14-94	160***	160****	ND	1.7	1.8	15	ND	--	--	--	--
US-10A-D	11/13/94	11-14-94	11***	66****	ND	0.55	0.61	5.1	ND	--	--	--	--
US-11A-D	11/13/94	11-14-94	13***	79****	ND	0.71	0.85	8.5	ND	--	--	--	--
US-12A-D	11/13/94	11-14-94	29***	230****	ND	0.69	0.78	18	ND	--	--	--	--
US-13A-D	11/13/94	11-14-94	12***	50****	ND	0.15	0.13	3.8	ND	--	--	--	--
US-14A-D	12-6-94	12/7/94	24***	390****	ND	5.9	3.8	43	ND	--	--	--	--
US-15A-D	12-6-94	12/7/94	21***	1,600****	ND	47	25	170	ND	--	--	--	--
US-16A-D	12-6-94	12/7/94	3.6***	ND	ND	ND	ND	0.0053	ND	--	--	--	--

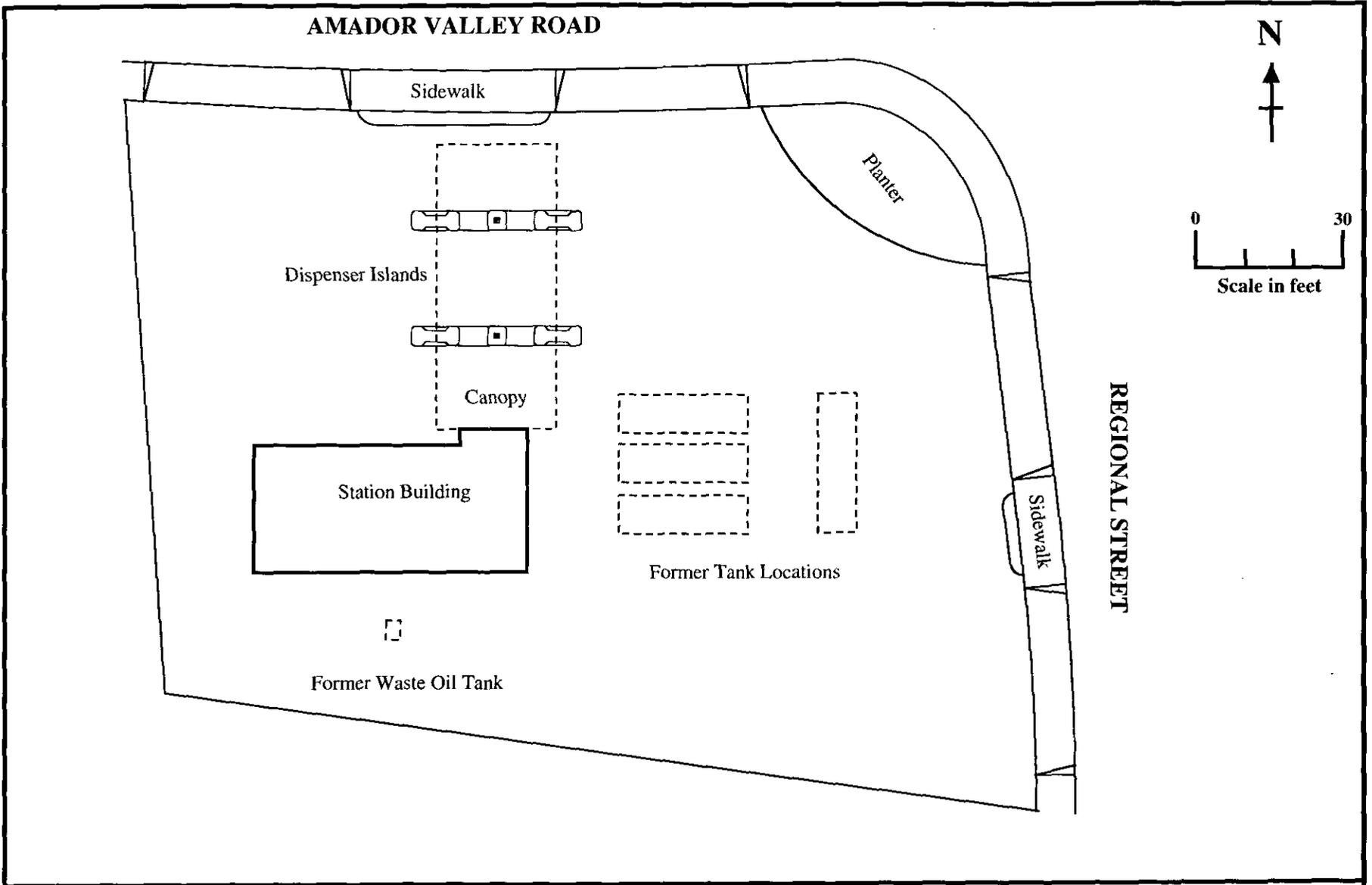


PLATE  
**2**

**SITE PLAN**  
Unocal SS No. 7176  
7850 Amador Valley Boulevard  
Dublin, California

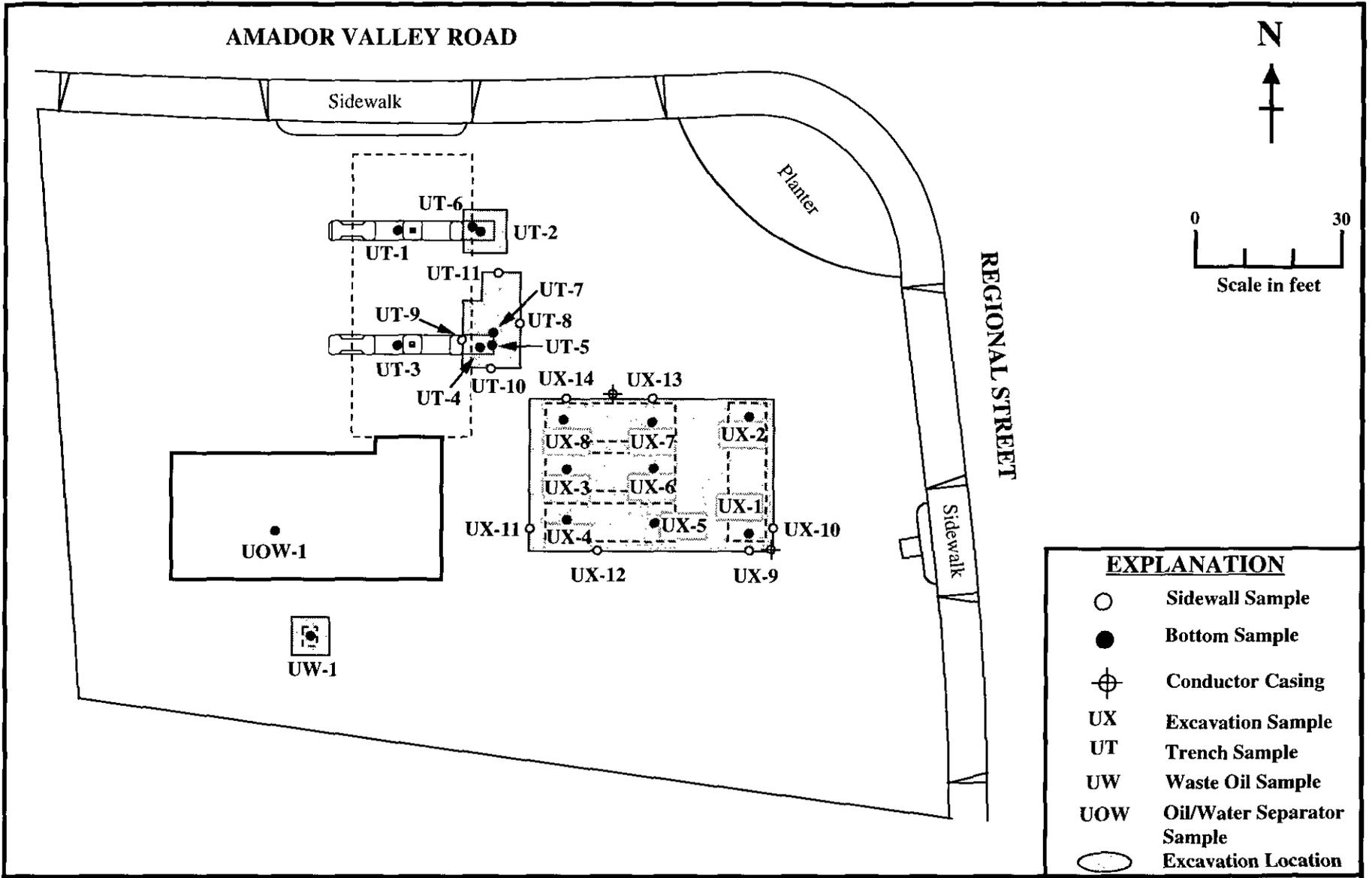
**enviros**<sup>®</sup>  
95132.01

Drawn By: GLV

Date: 11-26-94

Approved By: *[Signature]*

Date: 3/23/95



EXPLANATION	
○	Sidewall Sample
●	Bottom Sample
⊕	Conductor Casing
UX	Excavation Sample
UT	Trench Sample
UW	Waste Oil Sample
UOW	Oil/Water Separator Sample
○	Excavation Location

PLATE  
**3**

**SOIL SAMPLE LOCATION MAP**  
Unocal SS No. 7176  
7850 Amador Valley Boulevard  
Dublin, California

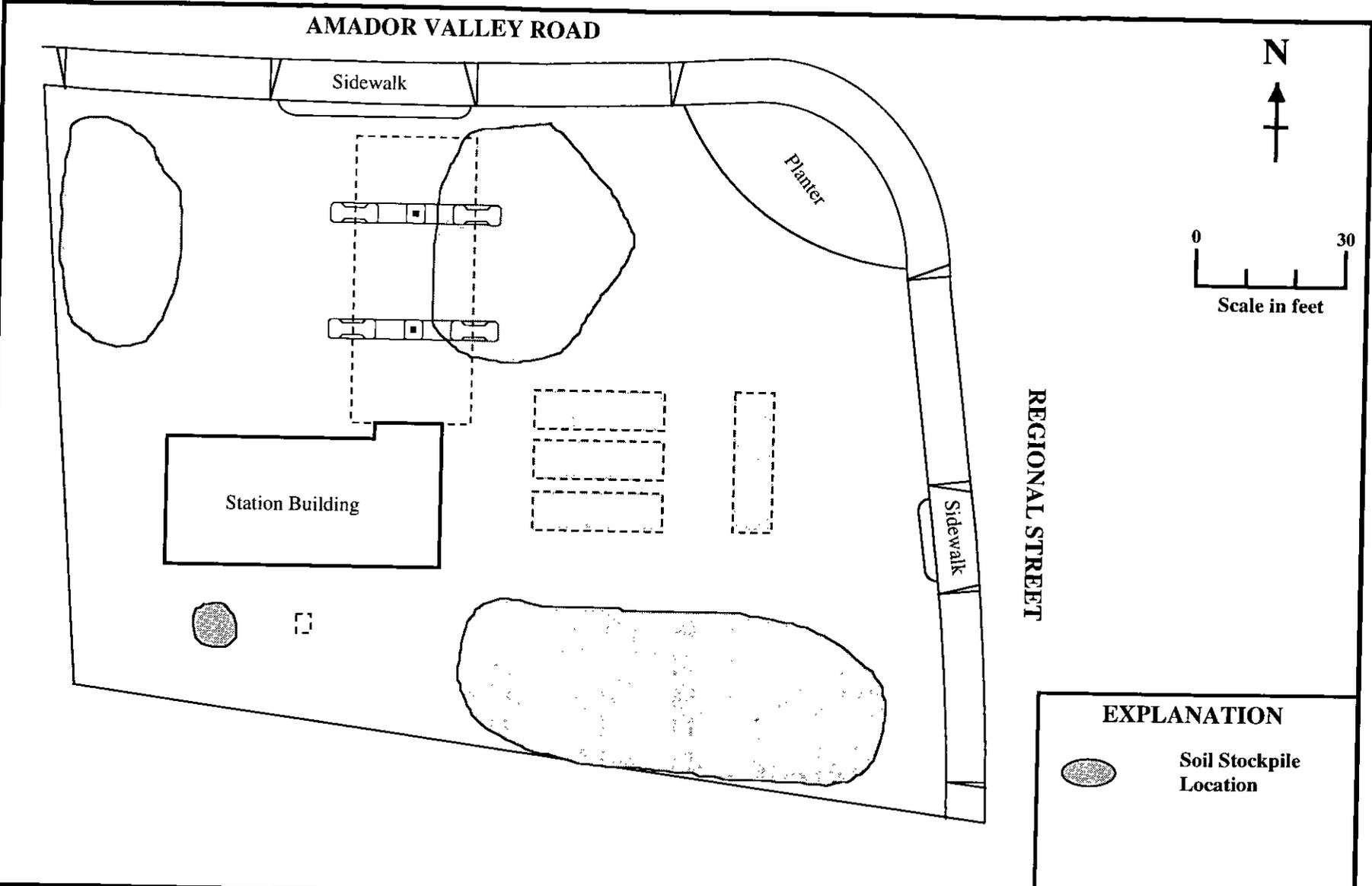
**enviros**<sup>®</sup>  
95132.01

Drawn By: GLV

Date: 11-26-94

Approved By: *[Signature]*

Date: 3/23/95



EXPLANATION	
	Soil Stockpile Location

PLATE  
**4**

**SOIL STOCKPILE LOCATION MAP**  
Unocal SS No. 7176  
7850 Amador Valley Boulevard  
Dublin, California

**enviros**<sup>®</sup>  
95132.01

Drawn By: GLV

Date: 11-26-94

Approved By: 

Date: 3/23/95

**ATTACHMENT D**

**TABLE 2**  
**SOIL ANALYTICAL DATA**  
 7850 Amador Valley Boulevard  
 Dublin, California

SAMPLE NO.	DEPTH (FT.)	SAMPLE DATE	ANALYSIS DATE	TPH-D (PPM)	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYL BENZENE (PPM)	XYLENES (PPM)	TOTAL LEAD (PPM)
U-1-10.5	10.5	7/7/95	7/12/95	ND	ND	ND	ND	ND	ND	---
U-1-18.5	18.5	7/7/95	7/12/95	25*	26**	0.041	0.053	0.56	2.2	---
U-2-13	13	7/7/95	7/12/95	1.3*	ND	0.017	ND	0.071	ND	---
U-2-17.5	17.5	7/7/95	7/12/95	12*	97**	ND	0.21	1.7	1.5	---
U-3-17.5	17.5	7/7/95	7/12/95	ND	ND	ND	ND	ND	ND	---
B-1-13	13	7/8/95	7/12/95	1.5*	ND	ND	ND	ND	ND	---
B-1-18	18	7/8/95	7/12/95	1.0*	2.1	ND	ND	0.028	0.0088	---
B-2-16	16	7/8/95	7/12/95	ND	ND	ND	ND	ND	ND	---
B-3-11	11	7/8/95	7/12/95	ND	ND	ND	ND	ND	ND	---
B-3-17	17	7/8/95	7/12/95	ND	ND	ND	ND	ND	ND	---
B-4-11.5	11.5	7/8/95	7/12/95	ND	ND	ND	ND	ND	ND	---
B-4-16	16	7/8/95	7/12/95	1.7*	ND	ND	ND	ND	ND	---
B-5-14.5	14.5	7/8/95	7/12/95	ND	5.1**	0.13	0.020	0.29	0.12	---
B-5-18	18	7/8/95	7/12/95	4.8*	59**	0.068	ND	0.84	0.98	---
B-6-14.5	14.5	7/8/95	7/11/95	ND	4.9**	0.088	ND	0.099	0.22	---
B-6-19.5	19.5	7/8/95	7/12/95	10*	150**	0.21	3.0	3.2	19	---
US-1A-D	--	7/8/95	7/12/95	3.3*	ND	ND	ND	ND	0.0060	8.3

TPH-D = Total Petroleum Hydrocarbons calculated as Diesel.

TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline.

PPM = Parts Per Million.

U, B = Soil Boring Designation

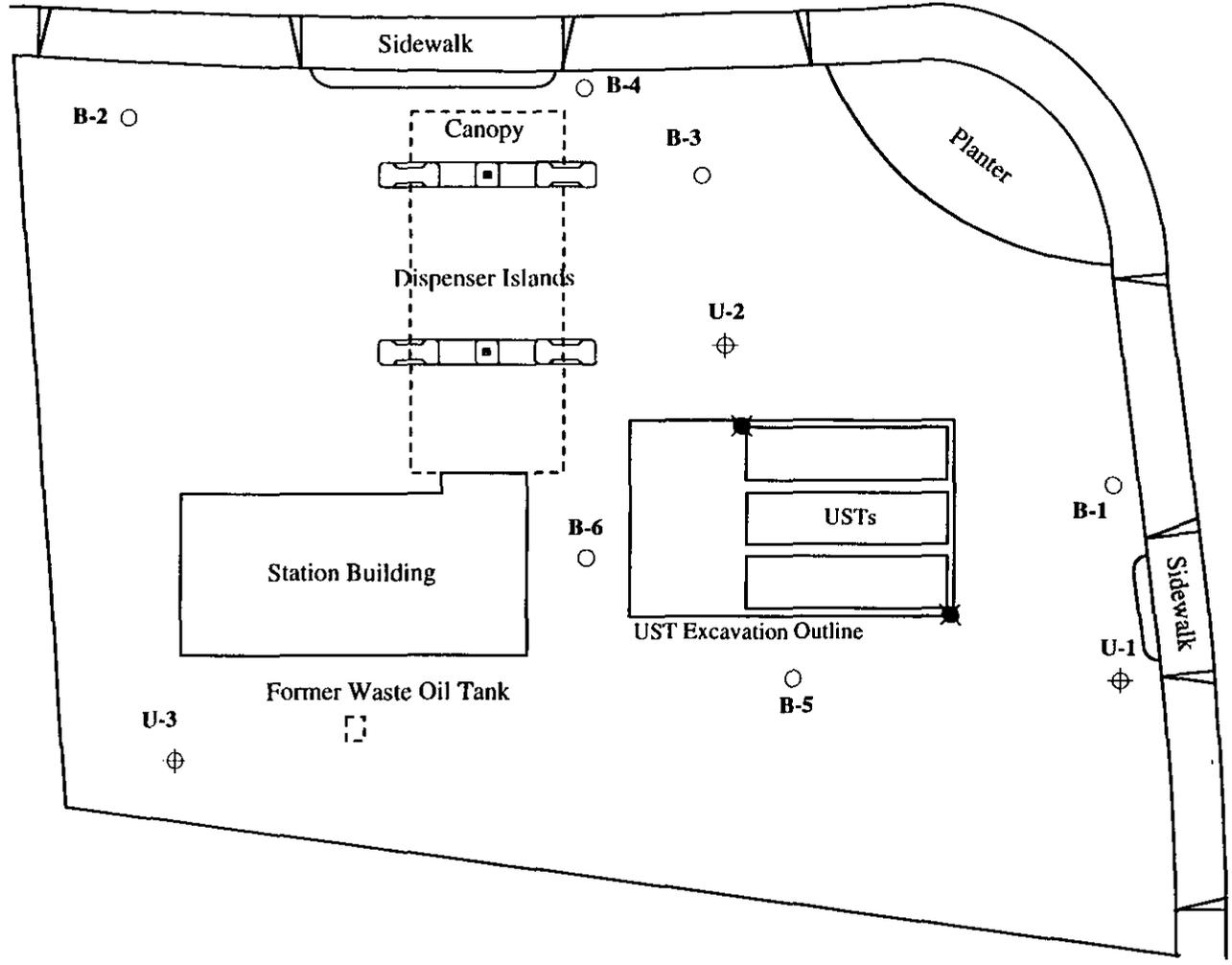
US = Soil Stockpile Designation

\* = Unidentified Hydrocarbon C9-C24

\*\* = Weathered Gas C6-C12

Notes: All data reported as <x are shown as ND (non detected). See laboratory analytical reports for detection limits.

AMADOR VALLEY BOULEVARD



REGIONAL STREET

**EXPLANATION**

- Soil Boring Location
- ⊕ Monitoring Well Location
- ✱ Conductor Casing Location

PLATE  
**2**

**SITE PLAN**  
Unocal SS No. 7176  
7850 Amador Valley Boulevard  
Dublin, California

**enviros**<sup>®</sup>  
95132.02

Drawn By: CJG

Date: 9-7-95

Approved By: *DJV*

Date: 10/10/95

**ATTACHMENT E**

**TABLE 1**  
**RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES**  
 Tosco (Union) 76 Service Station 7176  
 7850 Amador Valley Boulevard  
 Dublin, California  
 (Page 1 of 1)

Sample #	Depth	Date Sampled	TEPHd	TPPHg	B	T	E	X	TTLCLead
S-10-B7	10	4/15/98	ND	ND	ND	ND	ND	ND	NA
S-10-B8	10	4/15/98	ND	ND	ND	ND	ND	ND	NA
SP-1-(1-4)	NA	4/15/98	6.8	0.45	ND	ND	ND	ND	6.1

Notes:

Soil results (S) in milligrams per kilogram (mg/kg)

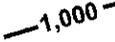
- S-10-B7 = Soil sample-Depth-Boring number
- ND = Not detected above limits stated in laboratory reports.
- NA = Not applicable.
- TPPHg = Total purgeable petroleum hydrocarbons as gasoline analyzed using modified EPA method 8015.
- TEPHd = Total extractable petroleum hydrocarbons as diesel analyzed using modified EPA method 8015.
- BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes analyzed using EPA method 8020.
- TTLCLead = Total threshold limit concentration of lead analyzed using EPA method 6010.

**ATTACHMENT F**

**LEGEND**

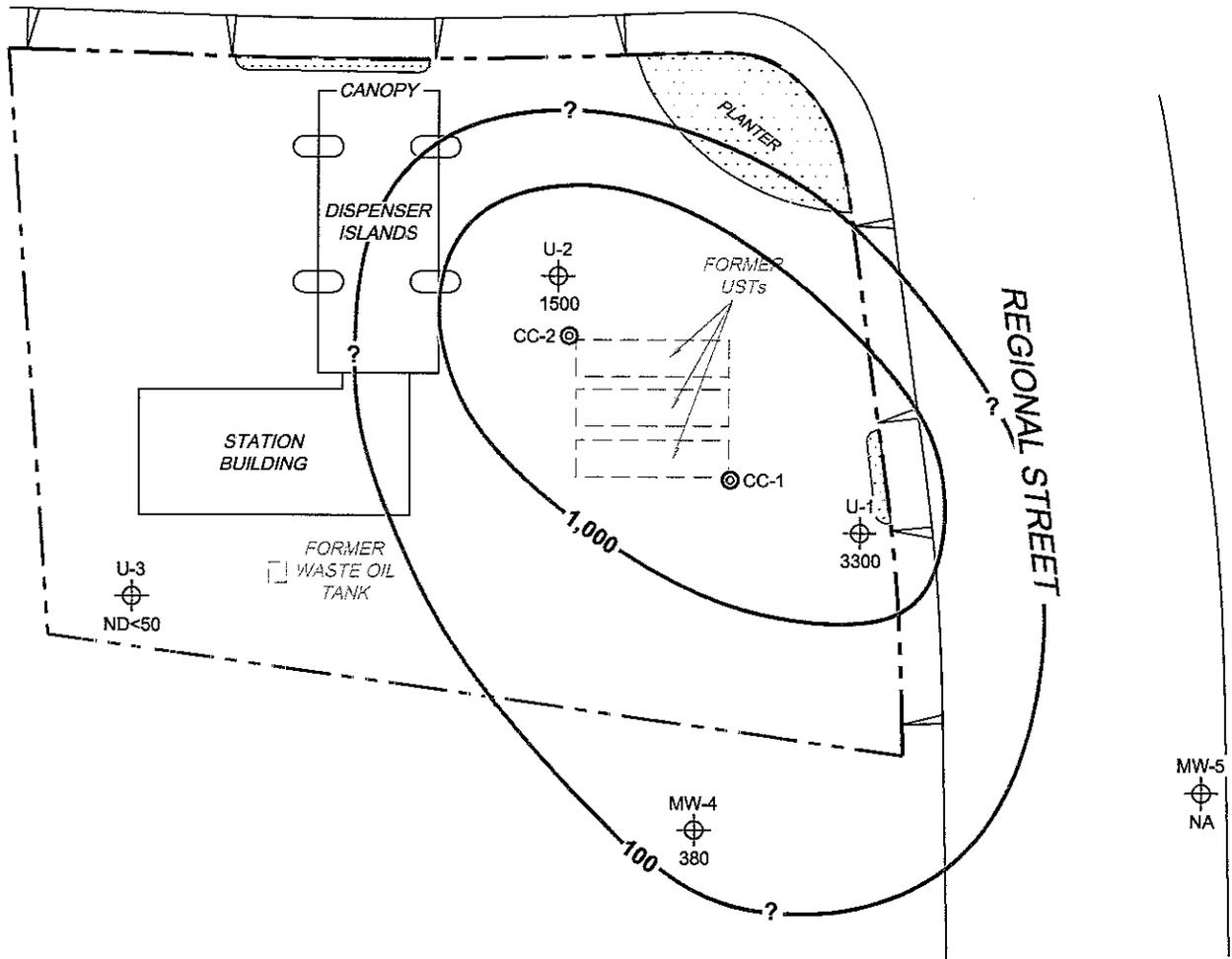
MW-5  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration ( $\mu\text{g/l}$ )

CC-2  Conductor Casing

 -1,000 Dissolved-Phase TPH-G (GC/MS) Contour ( $\mu\text{g/l}$ )



**AMADOR VALLEY BOULEVARD**



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B  $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report NA = not analyzed measured or collected. UST = underground storage tank.

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH\7176-1776-QMS(NEW).dwg Oct 08, 2008 - 7:55am bschmidt

MS=1:1 7176-003



PROJECT: 154771

FACILITY:  
76 STATION 7176  
7850 AMADOR VALLEY BOULEVARD  
DUBLIN, CALIFORNIA

**DISSOLVED-PHASE TPH-G (GC/MS)  
CONCENTRATION MAP**  
September 2, 2008

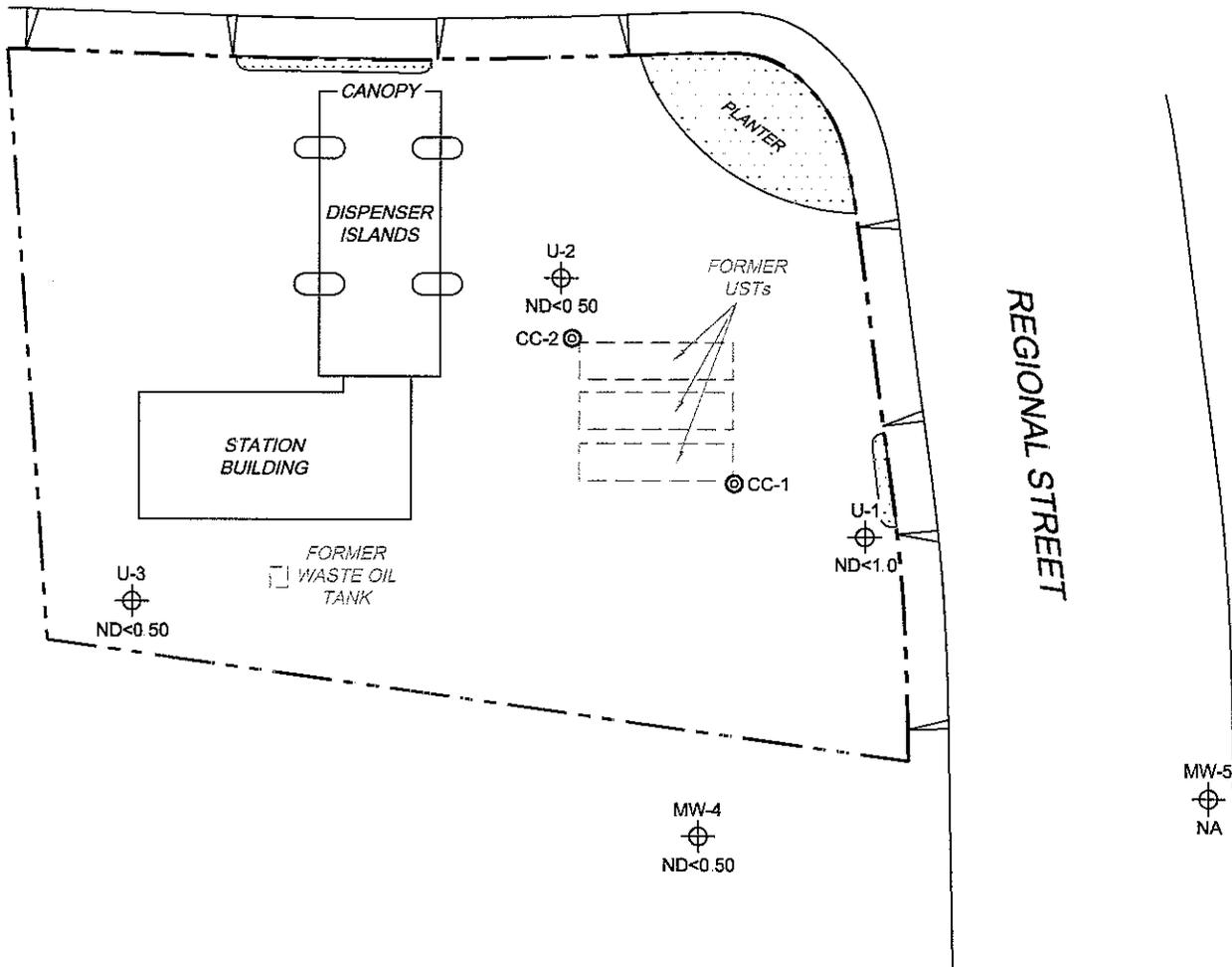
**FIGURE 3**

**LEGEND**

- MW-5  Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )
- CC-2  Conductor Casing

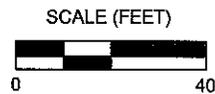


**AMADOR VALLEY BOULEVARD**



**NOTES:**

$\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 NA = not analyzed, measured, or collected. UST = underground storage tank.



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MS-1.1 7176-003



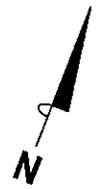
PROJECT: 154771  
 FACILITY:  
 76 STATION 7176  
 7850 AMADOR VALLEY BOULEVARD  
 DUBLIN, CALIFORNIA

**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP**  
 September 2, 2008

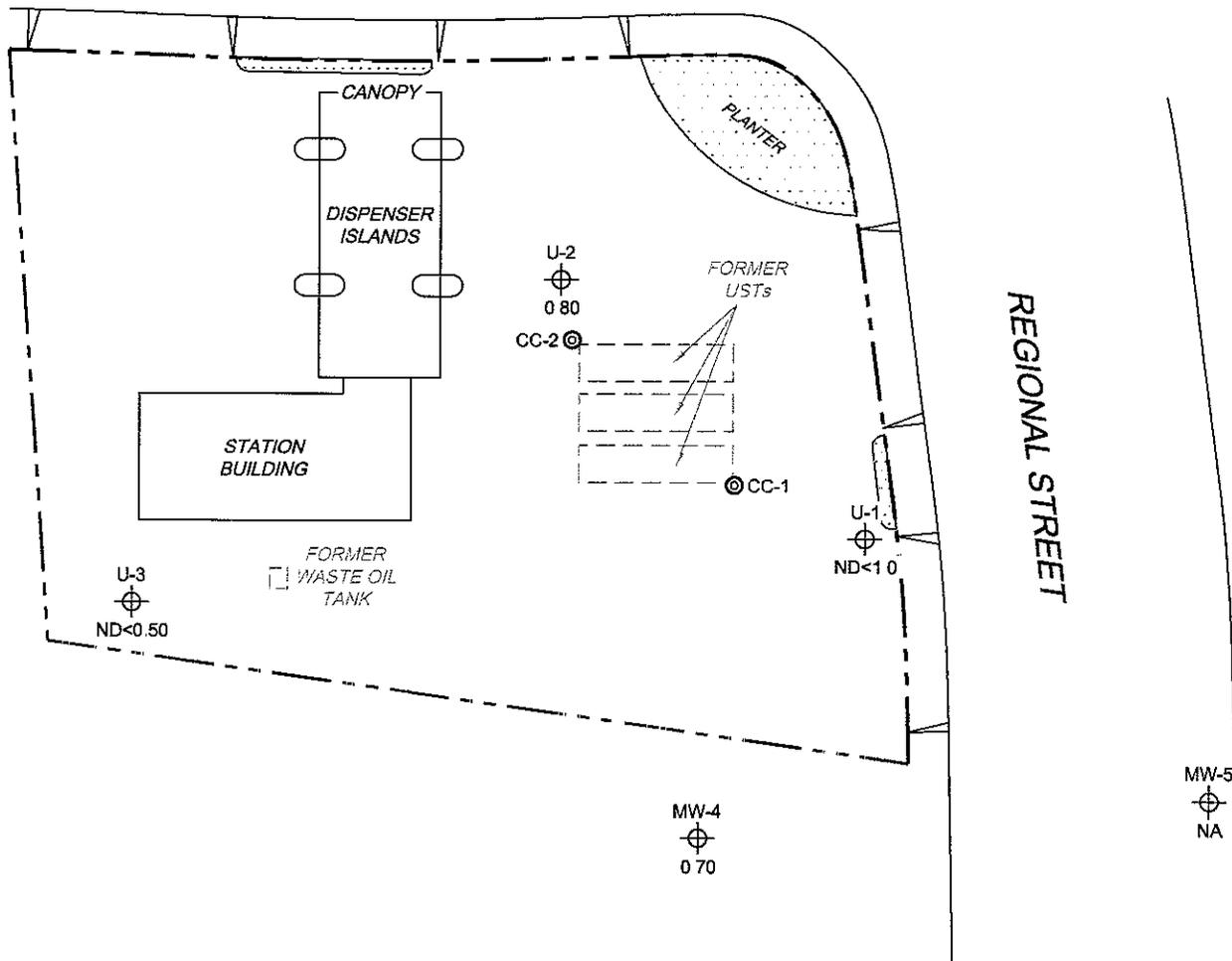
**FIGURE 4**

**LEGEND**

- MW-5  Monitoring Well with Dissolved-Phase MTBE Concentration ( $\mu\text{g/l}$ )
- CC-2  Conductor Casing



AMADOR VALLEY BOULEVARD



**NOTES:**

MTBE = methyl tertiary butyl ether  $\mu\text{g/l}$  = micrograms per liter ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected UST = underground storage tank Results obtained using EPA Method 8260B.

SCALE (FEET)



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MS-1:1 7176-003



PROJECT: 154771

FACILITY:  
76 STATION 7176  
7850 AMADOR VALLEY BOULEVARD  
DUBLIN, CALIFORNIA

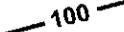
**DISSOLVED-PHASE MTBE  
CONCENTRATION MAP  
September 2, 2008**

**FIGURE 5**

**LEGEND**

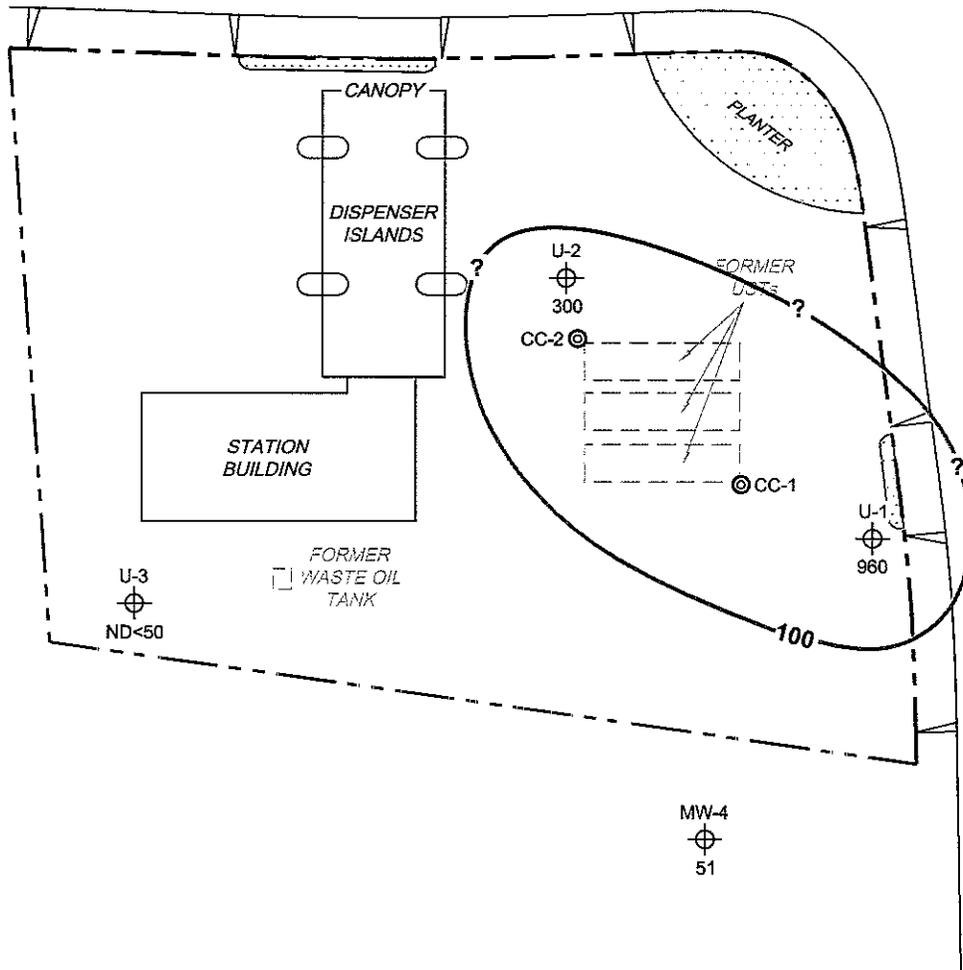
MW-5  Monitoring Well with Dissolved-Phase TPH-D Concentration ( $\mu\text{g/l}$ )

CC-2  Conductor Casing

100  Dissolved-Phase TPH-D Contour ( $\mu\text{g/l}$ )



**AMADOR VALLEY BOULEVARD**



**REGIONAL STREET**

MW-5  
  
NA

**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 TPH-D = total petroleum hydrocarbons as diesel.  $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected.  
 UST = underground storage tank Results obtained using EPA Method 8015M.

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH\7-176-003\7-176-CMS(NEW).dwg Oct 08, 2008 - 7:56am bschmidt

MS=1:1 7-176-003



PROJECT: 154771  
 FACILITY:  
 76 STATION 7176  
 7850 AMADOR VALLEY BOULEVARD  
 DUBLIN, CALIFORNIA

**DISSOLVED-PHASE TPH-D  
 CONCENTRATION MAP**  
 September 2, 2008

**FIGURE 6**