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Site Conceptual Model
800, 726, and 706 Harrison Street Commingled Plume
Oakland, California

Stantec Project No.:
211402300

Submitted to:
Mr. Steven Plunkett
Senior Hazardous Materials Specialist
Alameda County Environmental Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-9335

Submitted by:
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Prepared on behalf of:
ConocoPhillips Company
Ms. Shelby Lathrop
Site Manager
76 Broadway
Sacramento, California 95818

September 30, 2009

ConocoPhillips
76 Broadway
Sacramento, California 95818

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Mr. Stephen Plunkett
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: Site Conceptual Model
800,726, and 706 Harrison Street
Oakland, CA

Dear Mr. Plunkett:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call me at (916) 558-7604.

Sincerely,

Eric G. Hetrick
Site Manager
Risk Management & Remediation

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to Fill Data Gaps	Comments
Site Description	**Site Location** The subject site consists of three properties at 800, 726, and 706 Harrison Street in Oakland, California. Currently, there is an active 76 Station at 800 Harrison Street (Unocal), an asphalt parking lot and building on the Former Shell Station property at 726 Harrison Street (Yee property), and an asphalt parking lot on the Former Arco Service Station at 706 Harrison Street in Oakland, CA (Gin Property). **Site Description** Current site facilities at 800 Harrison Street consist of a single-story convenience store and smog shop, three product dispenser islands under two canopies, and two 12,000-gallon double-wall poly-steel gasoline underground storage tanks (USTs). Current site facilities at 726 Harrison Street consist of an asphalt parking lot facility and commercial building. Current site facilities at 706		Site Location Map Historical Site Plan	**800 Harrison:** TRC, 2007, *Additional Soil and Groundwater Investigation*, September 28. Gettler-Ryan Inc., 2001, *Site Conceptual Model*, April 23. Stantec, 2009, *Quarterly Status Summary Report for First Quarter 2009*, April 14. **726 Harrison:** ASE, 2007, *Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Investigation*, December 6. **706 Harrison:** CRA, 2007, *Onsite Characterization*			

	Harrison Street consist of an undeveloped asphalt parking lot. **Underground Storage Tank Releases** **800 Harrison Street (Unocal):** In November 1990, two gasoline USTs and one waste oil UST were removed from the site. The tanks consisted of one 10,000 gallon regular unleaded gasoline storage tank, one 10,000 gallon super unleaded gasoline storage tank, and one 280 gallon waste oil tank. The waste oil tank contained one 1/8th-inch square hole. In November 1996, one 1,100 gallon waste oil UST and former product dispensers and associated piping were removed from the site. No apparent holes or cracks were observed in the waste oil tank at this time. **726 Harrison Street (Former Shell):** In October 1995, three 4,000 gallon gasoline USTs, one 8,000 gallon gasoline UST, and one 1,000 gallon waste oil UST were removed from the site. Elevated hydrocarbon concentrations were detected in soil beneath each of these former tank locations.			*Work Plan*, October 5.			

	706 Harrison Street (Former Arco Station): In January 1991, four 1,000 gallon gasoline USTs, two 6,000 gallon gasoline USTs, and one unknown size waste oil tank were removed from the site. Elevated petroleum hydrocarbon concentrations were observed in confirmation sampling.						

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Regional Geology	**Geology/Stratigraphy** Based on review of the regional geologic map (U.S. Geological Survey, 2000), the subject site is underlain by Holocene and Pleistocene-age eolian sand deposits referred to as the Merrit Sand. The Merrit Sand is described as typically consisting of fine grained, very well sorted, well-drained eolian sand, interfingering with Holocene Bay Mud. This sand apparently reaches a maximum depth of approximately 50 feet below ground surface.		Section of USGS Map	USGS, R.W. Graymer, Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California, 2000			

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Regional Hydrogeology	The site is located in the East Bay Plain sub-basin in the Santa Clara Valley groundwater basin, as identified in the California Regional Water Quality Control Board (CRWQCB) – San Francisco Bay Region's *San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan)*, dated January 18, 2007. This basin has been designated as having existing beneficial uses for municipal and domestic water supply, industrial process water supply, industrial service water supply, and agricultural water supply.		CRWQCB-SFBR Groundwater Basins: East and South Bay Map	California Regional Water Quality Control Board – San Francisco Bay Region's *San Francisco Bay Basin Region's San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan)*, dated January 18, 2007.			

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Subject Site Geology	**Site Geology** Based on historical review of boring logs from subject site(s), the subsurface materials beneath the site consist mainly of fine grained sand and silty sand extending to approximately 30 feet below ground surface (bgs). In the area of 800 Harrison Street where deeper CPT borings were drilled, silt and clay was encountered between the approximate depths of 30 and 42 feet. Below the clay, fine grained sand and silty sand were encountered. It should be noted that there was discrepancy between the CPT boring logs and visual logs provided by other consultants. Stantec gave more weight to the visual logs when interpreting the data, based on the fact that the presence of sand was acknowledged by different field geologists at similar depths at the site, and considering documented instances where soil was sandier than CPT logs revealed (Fernandez, DeJong, and Dahl, 2007).		Geologic Cross Sections A-A', B-B', C-C' and D-D' Historical Well and Boring Logs	Fernandez, R., DeJong, J, and Dahl, K. 2007. Soil Mechanics Analysis and Comparison to In Situ Test Methods of Soils Found in Potrero Canyon. Paper presented at 2007 Earthquake Engineering Symposium for Young Researchers. August 8-12.			

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Subject Site Hydrogeology	**Local Hydrogeology** Previous investigations have encountered first groundwater at approximately 15 to 22 feet below ground surface (bgs), within sand and silty sand. Historically, depth to groundwater in subject site(s) monitoring wells has been measured between approximately 12 and 22 feet bgs, but fluctuates mainly between 15 and 20 feet (smear zone). Groundwater in the unconfined shallow water-bearing zone (extending to approximately 30 feet deep) flows predominantly toward the south-southwest, at an approximate gradient of 0.01 ft/ft. A silt and clay stratum was encountered beneath the first water-bearing zone at approximately 30 to 42 feet bgs. Beneath this stratum, a deeper water-bearing zone consisting of sand and silty sand was encountered in CPT borings at depths of 42-50 feet. There are no wells installed in the deeper zone. The nearest surface waters are the Oakland Inner Harbor to the south and west and Lake Merritt to the east and northeast; each body of water is		First Quarter 2009 Groundwater Elevation Contour Maps	TRC, 2007, *Additional Soil and Groundwater Investigation*, September 28.			

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	approximately ½-mile from the site. Site survey data for the three sites will be correlated for the 3Q09 event.						

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Subject Site(s) Source Areas Soils	**Primary On-Site Source Areas** **800 Harrison Street:** The subject site area at 800 Harrison Street currently contains a Unocal 76 service station that has been in operation since 1930. According to PHR Environmental Consultants, Inc, prior to Unocal operation the site was documented as undeveloped. Historically, site facilities included a tire shop, battery shop, service bay, and wash room along the eastern edge of the property. In 1967, the station was demolished and upgraded. The newer station building included two service bays. Each service bay contained a floor drain that was connected to a clarifier located beneath the eastern bay. The clarifier reportedly drained to the sewer located in Harrison Street. The floor drains were capped in early 1993 with concrete. The PHR site map implies that the service bays	Historical Soil Tables	TPPH Isoconcentration Map- Soil 0-15 Feet PHR Site Plan	**800 Harrison:** PHR, 1993, *Phase I Environmental Assessment,* November 29. KEI, 1994, *Subsurface Investigation*, April 1. KEI, 1994, *Remedial Action Plan*, April 1. KEI, 1997, *Soil Sampling Report,* January 10. **726 Harrison:** AEI, 1995, *Tank Removal Report*, October 8. ASE, 2002, Report of Additional Soil and Groundwater Assessment and			Throughout the history of sampling and analysis at the site, different titles have been given to gasoline results in the analytical laboratory reports, including total petroleum hydrocarbons as gasoline (TPHg) and total purgeable petroleum hydrocarbons (TPPH). Laboratory personnel have indicated that these different titles are essentially synonymous.

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Subject Site(s) Source Areas Soils (cont)	may have included hydraulic hoists. According to an initial soil and UST investigation conducted by Kapraelian Engineering, Inc (KEI) in November 1990, two 10,000 gallon USTs and one 280 gallon waste oil tank were removed from the central portion of the site. The two 10,000 gallon USTs that were removed appeared to be in fairly good condition with no holes or corrosion noted. Slight soil staining and confirmation soil sampling from beneath the former tank pit indicated detectable petroleum hydrocarbons in soil and suggested that a potential release had occurred historically. KEI also documented in their report that the 280 gallon waste oil tank that was removed contained one square 1/8-inch hole in the tank but no obvious signs of soil staining. Based on confirmation soil sampling during the UST removal, the majority of the source area was in the soil beneath the former			Remediation Recommendations, August 7. ASE, 2007, *Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Investigation*, December 6. **706 Harrison:** Dennis Bates Associates, Inc., 1993, *Report of Groundwater Monitoring Well Installation Report*, September 20. CRA, 2007, *Onsite Characterization Work Plan,* October 5.			

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Subject Site(s) Source Areas Soils (cont)	UST pit. Confirmation samples collected from the fuel tank pit showed TPHg concentrations at a maximum of 1,200 parts per million (ppm); TPHg was detected at 9.5 ppm and TOG was not detected in the waste oil tank pit. Both tank pits were overexcavated and additional sampling showed TPHg levels at a maximum of 3,800 ppm from the fuel tank pit. Sampling under one of the dispensers in the southern portion of subject site showed TPHg concentrations at a maximum of 45 ppm. Following one additional excavation under the dispenser, a concentration of 1,200 ppm TPHg was detected. Following their initial investigation, KEI returned in December 1990 to further investigate soil impacts beneath the dispenser islands. Petroleum hydrocarbons were detected in samples beneath the dispenser islands in the southern portion of the site. During the UST and waste oil tank removal activities, approximately 475 cubic yards						

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Subject Site(s) Source Areas Soils (cont)	were overexcavated in these source areas. Soil analytical results from the 1994 investigation indicated that petroleum hydrocarbons were present at maximum concentrations of 19 mg/kg TPHd [EB11(6)], 21,000 mg/kg TPHg [EB8(18.5)], 7.0 mg/kg benzene [EB8(18.5)], 78 mg/kg toluene [EB8(18.5)], 26 mg/kg ethylbenzene [EB8(18.5)], and 140 mg/kg xylenes [EB8(18.5)]. Concentrations of heavy petroleum hydrocarbons were detected in EB-11 near the service bays and potential hoist area at maximum concentrations of 19 mg/kg TPHd, 13,000 mg/kg TOG, and 4,300 mg/kg TPH as hydraulic fluid. In November 1996, one 1,100 gallon waste oil UST and former product dispensers and associated piping were removed from the site. No apparent holes or cracks were observed in the waste oil tank. Following the removal of the tank, one soil confirmation						

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Subject Site(s) Source Areas Soils (cont)	sample [WO1(9.5)] was taken. The analytical results from the soil samples indicated non-detected concentrations of TOG, TPHg, and BTEX. Gettler-Ryan Incorporated, in their April 23, 2001 Site Conceptual Model for 800 Harrison Street, referenced the source area leak as a potential UST spill bucket containment failure stating that there were several historically documented maintenance reports in which residual rainwater was noted in the spill tank basin after overflow. The spill bucket containment was repaired in November 2001. Since the repair, hydrocarbon concentrations decreased in the short term, but there have been several additional peak concentrations spikes in 2004 which suggests that the spill bucket containment failure was not likely the single contributing source release.						

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Subject Site(s) Source Areas Soils (cont)	**726 Harrison Street:** The subject site area is a former Shell Service station at 726 Harrison Street and is currently a vehicle parking facility with a small commercial building. Initial site investigations were conducted by All Environmental Incorporated (AEI) in October 1995. AEI removed four gasoline storage tanks; three 5,000 gallon and one 8,000 gallon. In addition, a 1,000 gallon waste oil tank was removed from the southern portion of the property. Confirmation sampling in the former UST basin indicated a release near the ends of two of the former USTs. A maximum of 470 ppm TPHg was detected in soil samples collected beneath the former gasoline USTs. Total oil and grease was detected in the soil samples collected from beneath the waste oil UST at 85 mg/kg (E-WO-8) and 24						

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Subject Site(s) Source Areas Soils (cont)	mg/kg (W-WO-8). In December 1995, AEI returned to the site to further overexcavate the former UST Basin to approximately 20 feet bgs. Approximately 530 tons of contaminated soil was transported off site to a disposal facility. Residual soil confirmation sampling indicated the source area was primarily beneath the former UST Basin. The soil sample (OEC-19) collected from near the southern portion of the excavation contained maximum concentrations of 5,100 ppm TPHg, 15 ppm benzene, 110 ppm toluene, 82 ppm ethylbenzene, and 510 ppm total xylenes. In August 2001, Aqua Science Engineers (ASE) installed extraction well EW-1 in order to conduct a series of feasibility tests. During the well installation a soil sample was collected at approximately 10 feet bgs (above the smear						

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Subject Site(s) Source Areas Soils (cont)	zone). The sample contained detectable petroleum hydrocarbons of 2,300 ppm TPHg and 0.33 ppm benzene indicating further soil contamination in this area. Soil has not been overexcavated in the EW-1 vicinity. In July 2002, ASE drilled soil borings BH-D through BH-H at the subject site. The highest concentrations were in boring BH-E (within former tank pit area), which contained up to 2,100 ppm TPHg, 7.3 ppm benzene, 47 ppm toluene, 41 ppm ethylbenzene, 200 ppm total xylenes, and 40 ppm methyl tertiary butyl ether (MTBE). **706 Harrison Street** The subject site area is a former Arco Service station at 706 Harrison Street that operated from 1963 to 1985. The site is currently a vacant asphalted vehicle parking facility with no above ground structures. The site contained two 6,000 gallon USTs, four				Source of hydrocarbons in EW-1	Research	

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Subject Site(s) Source Areas Soils (cont)	1,000 gallon USTs, and one 150 gallon waste oil UST. A preliminary subsurface soil investigation was performed by Frank Lee and Associates in August 1988. The investigation involved borings to approximately 20 feet bgs and confirmed petroleum impacted soil. The removal of seven USTs was conducted by Tank Protection Engineering in December 1990 and January 1991. Consolidated Technologies released a report in December of 1991 in which they noted little to slight soil staining on the northeast and southeast excavation sidewalls. A maximum concentration of 9,400 ppm TPHg and 82 ppm benzene were detected in the confirmation soil samples collected. In February 1993, Dennis Bates and Associates (DBA) attempted to further overexcavate, to the extent						

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Subject Site(s) Source Areas Soils (cont)	possible, residual petroleum impacted soils in the former UST basin area. Since DBA did not shore the excavation, they were unable to remove hydrocarbon contaminated soil along Harrison Street and the excavation was backfilled. A soil sample (16 ft Bottom Sample) collected at 16 feet bgs contained 4,300 ppm TPHg and 66 ppm benzene. During the July 1993 monitoring well installation activities maximum concentrations of 6,000 ppm TPHg and 210 ppm benzene were detected in the 17 ft bgs soil sample collected from VW-2. In December 1993, DBA conducted further subsurface soil investigations by borings beneath the former pump island location in the southern portion of the subject site. Petroleum impacted soil was not detected; however organic lead in shallow soil was detected at 17 ppm. During monitoring well installation in November and						

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Subject Site(s) Source Areas Soils (cont)	December 1994, maximum concentrations of 15,000 ppm TPHg and 160 ppm benzene were detected in the 17.5-foot bgs soil sample collected from VW-4. Soil samples excavated are noted on the TPPH Isoconcentration Map.						

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Subject Site(s) Soil Contamination	**Soil Contamination** The extent of hydrocarbons in soil has been assessed within the vadose zone (0-15 feet bgs) with the exception of the eastern portion of the UST pit, and beneath the building (heavy hydrocarbons) at 800 Harrison Street, and the southwestern corner of the building at 726 Harrison Street. Alameda County Health Care Services Agency, Environmental Health Services (ACEH) requested confirmation sampling in the southwestern tank area, and further evaluation of the northeastern 6K tank pit at 706 Harrison Street. Hydrocarbon concentrations detected in soil below 15 feet bgs (smear zone) are within plume boundaries and will be best addressed through groundwater monitoring and remediation.	Historical Soil Tables	TPPH Isoconcentration Map- Soil 0-15 Feet	CRWQCB-SFBR, Interim Final - November 2007, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Revised May 2008.	Gasoline hydrocarbons in eastern portion of UST pit and heavy hydrocarbons /metals beneath 800 Harrison Street building area, gasoline hydrocarbon extent at southwestern corner of building at 726 Harrison St.	Perform additional assessment to investigate petroleum hydrocarbons in eastern portion of the UST pit at 800 Harrison and southwestern portion of UST pit at 726 Harrison, heavy hydrocarbons beneath the building at 800 Harrison Street, assessment and confirmation sampling at 706 Harrison Street.	Note that depths of some soil samples were unknown and assumed to be less than 15 feet bgs because of locations within UST removal.

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Subject Site(s) Soil Contamination (cont.)	Concentrations of TPHg, TPHd, TOG, benzene, toluene, ethylbenzene, and xylenes exceeded CRWQCB ESLs for groundwater as a potential source of drinking water in borings from 800, 726, and 706 Harrison Street. Metals in soil appear to be below appropriate ESLs; however, additional metals and SVOC testing is recommended in the area of EB-11 at 800 Harrison Street where heavy hydrocarbons were detected above ESLs.				Metals and SVOC data	Analyze future soil samples in waste/hydraulic oil source areas for metals and SVOCs.	

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Subject Site(s) Groundwater Contamination	**Groundwater Contamination** Recent correspondence with Mr. Steven Plunkett of the ACEH indicated that coordination of semiannual monitoring with the former Shell (726 Harrison) and former Arco (706 Harrison) sites will begin during the third quarter 2009 (3Q09). Currently, 3Q09 data is being compiled and the most recently submitted quarterly data for first quarter 2009 (1Q09) is referenced below for this report. The sites have been monitored and sampled since 1991 (800 Harrison), 1998 (726 Harrison), and 1993 (706 Harrison). The current commingled site monitoring well network includes 20 groundwater monitoring	Historical GW Tables	Dissolved Phase TPPH Isoconcentration Map Dissolved Phase Benzene Isoconcentration Map Dissolved Phase MTBE Isoconcentration Map	CRWQCB-SFBR, Interim Final - November 2007, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Revised May 2008.	Only shallow water bearing zones have been targeted within the existing monitoring well networks. Deeper data is available for 800 Harrison Street but is not available for 726 and 706 Harrison Street. The subject site dissolved TPPH plume is not delineated to the southwest and southeast. Metals concentrations in groundwater near former waste oil tanks have not been evaluated.	Install a deep groundwater monitoring well located adjacent to a shallow well in the main source area for evaluation of the concentrations in the deeper water-bearing zone and to evaluate vertical gradient. Wells to delineate MTBE plume to southwest and southeast. Analyze for metals and SVOCs in MW-1 at 800 Harrison, MW-2 at 726 Harrison, and MW-3 at 706 Harrison)	Note that the CPT grab groundwater samples collected from the 800 Harrison Street investigation were not time synchronous with the 1Q09 data but were used generally for plume delineation.

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Subject Site(s) Groundwater Contamination (cont.)	wells. During the first quarter 2009 event, maximum concentrations were observed in the site wells located at 706 and 726 Harrison Street at 90,000 µg/L TPPH (MW-2-GIN), 2,800 µg/L benzene (MW-2-GIN), and 18,000 MTBE (MW-5-Yee). Concentrations of TPHg, benzene, and MTBE exceeded the CRWQCB ESLs for groundwater as a current or potential drinking water resources for several wells located at the subject sites. The extent of hydrocarbons in groundwater has been delineated laterally by the monitoring well network and CPT borings, with the exception of MTBE to the southwest and southeast. The vertical extent of hydrocarbons					during next monitoring event. Analyze groundwater	

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Subject Site(s) Groundwater Contamination (cont.)	in groundwater has been delineated in the northwestern portion of the plume (800 Harrison), but not downgradient. Metals in groundwater appear to be below appropriate ESLs; however, groundwater analysis for metals and SVOCs in the areas of the former waste oil tanks and the clarifier (MW-1 at 800 Harrison, MW-2 at 726 Harrison, and MW-3 at 706 Harrison) is recommended. Measureable non aqueous phase liquid (NAPL) was not observed in site wells from 800 and 726 Harrison Street during the1Q09 event. Sheen was observed in two site wells (MW-2 and MW-4) at 706 Harrison Street during the 1Q09 event.				Metals and SVOC data in areas of heavy hydrocarbon concentrations.	samples from MW-1 at 800 Harrison, MW-2 at 726 Harrison, and MW-3 at 706 Harrison for metals and SVOCs.	

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Subject Site(s) Groundwater Contamination (cont.)	Since groundwater investigations began on the subject sites in the early 1990s, there has been no documentation of measureable NAPL in monitoring wells located at 800 and 726 Harrison Street. NAPL has been detected intermittently in site wells located at 706 Harrison since 1993 to present.						

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Preferential Pathways: **Well Survey**	**800 Harrison Street:** In April 2001, Gettler-Ryan Incorporated prepared a site conceptual model (SCM) for the subject site(s). The SCM referenced that the subject site(s) is situated approximately ½ mile north/northeast of the Oakland Inner Harbor, closest sensitive receptor, and ½ mile to ¾ mile west/southwest of Lake Merritt. The groundwater gradient is historically in the south/southwest direction. A one mile radius well search was conducted by Alameda County Public Works Agency in 2001. Four irrigation wells and one industrial well were identified within the 1-mile search radius. The closest well to the site was an irrigation well at Laney College (900 Fallon Street) cross gradient, located approximately 1,880 feet southeast of the site.		Historical Well Survey Maps and table	**800 Harrison Street:** Gettler-Ryan, 2001, *Site Conceptual Model*, April 23. **726 Harrison Street:** ASE, 2007, *Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Assessment*, December 6. **706 Harrison Street:** CRA, 2007, *Onsite Characterization Work Plan,* October 5.			ASE recently conducted a well survey in 2007 within a 2000 foot radius of 726 Harrison Street. Results indicated that the recent survey included investigation of potential receptors within the area of the three sites and an updated sensitive receptor survey is not necessary.

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Well Survey (cont.)	**726 Harrison Street:** An area well study was conducted by ASE and referenced in their December 6, 2007 Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Assessment. According to ASEs assessment report, approximately 166 wells are located within the study area and of these wells, approximately 136 are listed as monitoring and/or testing wells, 10 are listed as piezometers, one is listed as a cathodic protection well, thirteen are listed as remediation wells, one is listed as a domestic well, one is listed as an abandoned well, two are listed as destroyed wells, and two are of unknown usage. The well labeled as domestic is owned by Western Union and is approximately 33-feet deep. It is not likely that the well is used as domestic drinking water. In their study, ASE concluded that based on all of the						

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Well Survey (cont.)	information known from these wells, (a) no water supply wells are located in the site vicinity, and (b) none of the other wells downgradient of the site appear to present a potential conduit for the downward movement of contamination. Additional well detail can be found in ASE's December 6, 2007 report. **706 Harrison Street:** Conestoga-Rovers and Associates (CRA) proposed a well survey in their Onsite Characterization Work Plan submitted on October 5, 2007. ACEH put implementation of this work plan on hold, pending the parties entering into a commingled plume agreement and further evaluation of work necessary.						

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Preferential Pathways: **Utility Survey**	**800 Harrison Street:** No utility survey conducted **726 Harrison Street:** A utility survey was referenced by ASE in their December 6, 2007 Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Assessment. The subsurface utility study suggested only storm water sewer lines and sanitary sewer lines in the subject site vicinity that were greater than 10 feet bgs are potential preferential pathways for groundwater contaminants. Highest recorded groundwater for the site is approximately 11.39 feet bgs. All additional utilities were less than 5 feet bgs and would not be impacted during the highest periods of groundwater elevations. See ASE Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Assessment		Historical Utility Maps	**726 Harrison Street**: ASE, 2007, *Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Assessment* (Section 3.0; pg 4), December 6. **706 Harrison Street:** CRA, 2007, *Onsite Characterization Work Plan,* October 5.	**726 Harrison Street:** Storm sewer and sanitary sewer lines may be potential preferential pathways.	**726 Harrison Street:** Verify if storm/sewer lines are preferential pathways.	ASE recently conducted a conduit and preferential pathway study in 2007 within the vicinity of the three sites. Results indicated that the investigation did not reveal conduits and pathways.

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Utility Survey (cont.)	(Section 3.0; pg 4) for breakdown of specifics of local utility corridors. **706 Harrison Street:** Conestoga-Rovers and Associates (CRA) proposed a utility study in their Onsite Characterization Work Plan submitted on October 5, 2007. Some work was completed and known utilities are included on the historical utility map.						

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Preferential Pathways: **Subject Site Risk Evaluation**	A subject site risk evaluation has not been performed for 800, 726, or 706 Harrison Street.				No human health risk assessment has been conducted for 800/726/700 Harrison Street		

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Nearby Release Sites	**Lim Property Gas Station** **250 8TH Street** **Alameda County LOP Case No. RO 0000479** A gasoline service station was formerly located on this property located at the corner of 8th Street and Alice Street in Oakland, CA. Ten underground storage tanks (UST) were removed in 1992. Soil samples from UST removal in May 1992 indicated maximum concentrations of TPHg and TPHd of 10,000 ppm and 5,900 ppm, respectively. Soil was over excavated onsite; however contamination along the south edge of the property indicated that petroleum hydrocarbons extended below 8th Street and was left in place. Groundwater monitoring and sampling indicated that the plume was migrating to the south. Starting in 1999, a hydrogen peroxide remediation system was installed and operated. Free floating hydrocarbons were discovered after the installation of injection wells. IW-5 located offsite in 8th Street south of the site contained		Lim Property Site Plan	Aqua Science Engineers Inc., 2008, *Remedial Action Plan,* September 10. Aqua Science Engineers Inc., 2009, *Quarterly Groundwater Monitoring Report December Groundwater Sampling*, March 16.			

Nearby Release Sites (cont)	1.75 feet of free-floating product. Approximately 3-gallons of free floating product were removed in 1999 and bi-weekly removal events were implemented. The hydrogen peroxide remediation system was discontinued in November 2000. A DPE pilot test and DPE interim remediation event was performed at the site in 2004. Later in 2007, three 10-hour DPE events were performed at the site, removing approximately 19 gallons of gasoline from the vadose zone and approximately 4,000 gallons of groundwater and free-floating product. Soil and groundwater assessment performed in 2008 indicated that horizontal and vertical extent of petroleum hydrocarbons had been delineated in groundwater and soil. Dual phase extraction was recommended to remove the remaining free-floating product and petroleum hydrocarbons and will be implemented upon approval of the UST Cleanup Fund. Currently, the property is used as an auto repair shop. During the fourth quarter 2008 sampling event, 8 groundwater monitoring wells (MW-1 through MW-8) were monitored and sampled on a						

Nearby Release Sites (cont)	quarterly basis. The groundwater flow direction was generally to the south at an approximate gradient of 0.008 ft/ft. Maximum concentrations were detected at 120,000 ppb TPPH (MW-4), 140 ppb TPHd (MW-1), 14,000 ppb benzene (MW-4), and 2.2 ppb MTBE (MW-5). Approximately 0.46 feet of free-floating product was observed in well MW-3 during the fourth quarter 2008. Although the property is located cross/upgradient from the subject sites, it does not appear that petroleum hydrocarbons from 250 8TH Street are impacting site wells at 800, 726, and 706 Harrison Street.						

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to Fill Data Gaps	Comments
Historical Remediation	**800 Harrison** In August 1995, KEI conducted a pilot vapor extraction test at the subject site. The test was initially started in MW-3 but due to continued non-measurable flow, the system was shut down and moved to well MW-1. Flow tests were also conducted on MW-5 and MW-6. Wells MW-1 through MW-7 were used as observation wells for the test. Influent and effluent air samples collected indicated maximum concentrations of 19,000 µg/L TPHg and 300 µg/L benzene. Based on analytical results and air flow rates measured during the test, a maximum extraction rate of approximately 0.11 pounds per hour of TPHg was achieved. KEI noted that two feet of screen were exposed in the wells used for the extraction test and the soil samples may have been partially saturated in the area of the exposed screens. **726 Harrison** In August 2001, ASE installed one extraction well (EW-1), one			**800 Harrison** KEI, 1995, *Pilot Vapor Extraction Test Report*, October 3. **726 Harrison** ASE, 2001 *Soil and Groundwater Assessment and Corrective Action Plan,* December 21. **706 Harrison** CRA, 2007, *Onsite Characterization Work Plan,* October 5.	Confirmation Sampling	Additional subsurface investigation at 706 Harrison to confirm effects of SVE/AS system and in area of 6,000 gallon UST excavation near MW-2. Groundwater samples from SP-3, SP-4, and SP-5 also need to be collected.	Based on dissolved-phase and absorbed petroleum hydrocarbon concentrations in site stratigraphy, soil vapor extraction (SVE) with ozone injection may be an appropriate remediation technology.

	air sparge well (AS-1), and two vapor extraction wells (VE-1 and VE-2). A step drawdown test was performed and a pumping rate of 0.5 gallons per minute (gpm) was selected. A constant rate pumping test was performed and a major and minor hydraulic conductivity of 20.2 feet per day and 5.02 feet per day were determined, respectively. In September 2001, a vapor extraction and air sparging test was performed at the subject site. ASE determined that these technologies would not be an effective remediation strategy. **706 Harrison** Remediation Testing and Design (RTD) conducted a soil vapor extraction test in April 1994. A maximum of 8,353 parts per million by volume (ppmv) of TPHg were detected in the vapor samples. RTD concluded that soil vapor extraction was an effective remedial technology for the subject site. In May 1998, Cambria installed and started an SVE and AS						

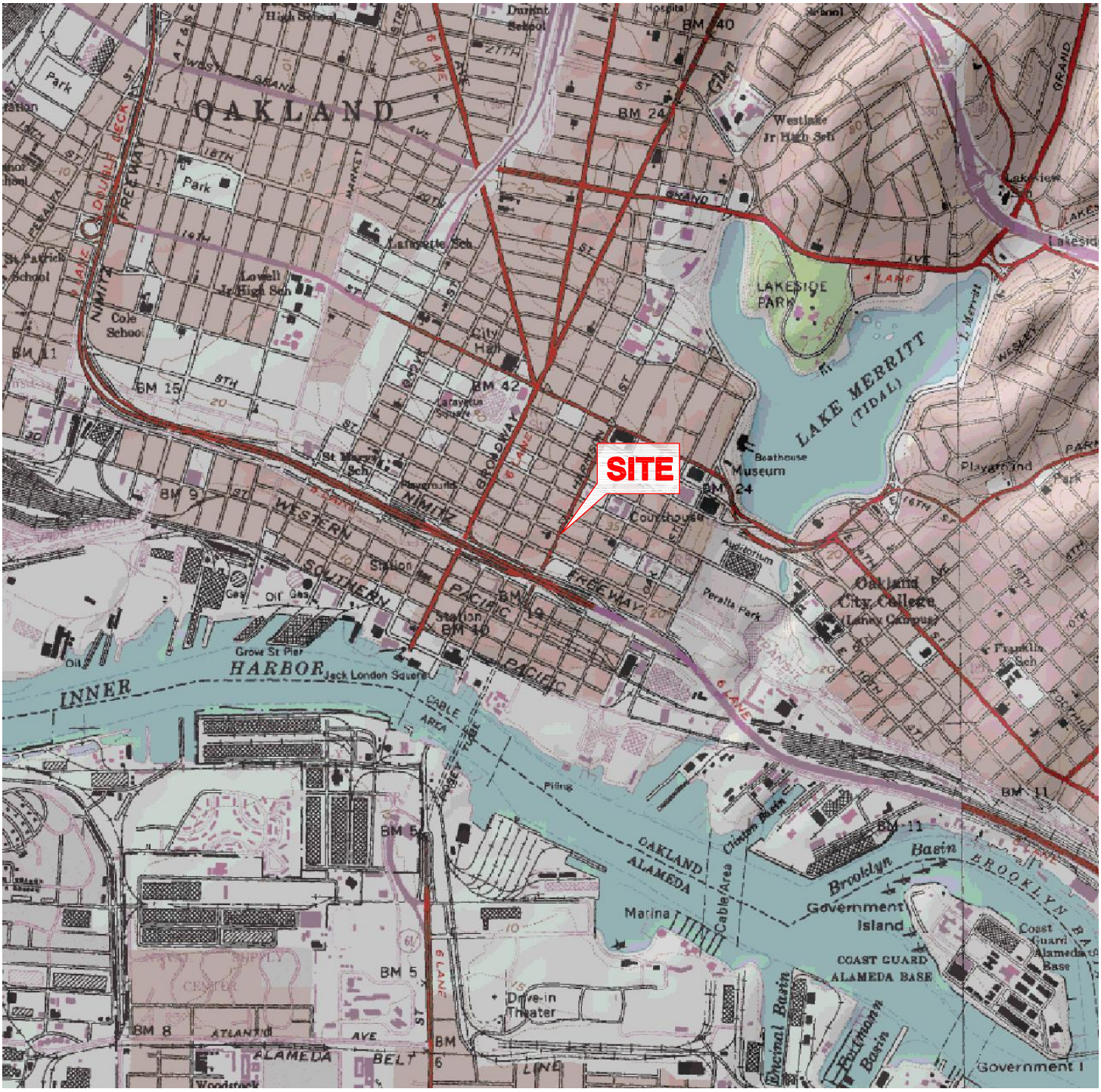
	system onsite to remediate subsurface soils. The SVE system was shut down due to low influent concentrations in February 2001. The air sparge system continued to operate until first quarter 2003 in order to increase oxygen efficiency and promote further aerobic degradation of residual impacted soils. The AS system was terminated in first quarter 2003 due to low groundwater concentrations. The combined SVE/AS system removed approximately 1,900 pounds of hydrocarbons from the subsurface.						

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to Fill Data Gaps	Comments
Conclusion of SCM	**Conclusion of SCM:** The hydrocarbons from separate underground storage tank source areas at 800, 726, and 706 Harrison Street have commingled into one dissolved-phase plume. The extent of hydrocarbons in soil to 15 feet bgs has been assessed with the exception of the eastern portion of the UST pit and beneath the building (heavy hydrocarbons) at 800 Harrison Street, and the southwestern corner of the building at 726 Harrison Street. Research regarding the source of hydrocarbons in soil in EW-1 (Yee) is recommended. ACEH requested confirmation sampling in the southwestern tank area, and further evaluation of the northeastern 6K tank pit, at 706 Harrison Street. Concentrations in soil below 15 feet bgs (smear zone) will be best addressed through groundwater monitoring and remediation. Metals in soil appear to be below						

	appropriate ESLs; however, additional metals and SVOC testing is recommended in the area of EB-11 at 800 Harrison Street where heavy hydrocarbons were detected above ESLs. The extent of hydrocarbons in groundwater has been delineated laterally by the monitoring well network and CPT borings, with the exception of MTBE to the southwest and southeast. The vertical extent of hydrocarbons in groundwater has been delineated in the northwestern portion of the plume (800 Harrison), but not downgradient. A deep groundwater monitoring well located adjacent to a shallow well in the main source area would allow evaluation of the concentrations in the deeper water-bearing zone, as well as the vertical gradient. Metals in groundwater appear to be below appropriate ESLs; however, groundwater analysis for metals and SVOCs in the areas of the former waste oil tanks and clarifier (MW-1 at 800 Harrison, MW-2 at 726 Harrison, and MW-3 at 706 Harrison) is recommended. Utility and receptor surveys done						

	for 726 Harrison appear to be adequate for the commingled site, and no sensitive receptors or preferential pathways were identified. Nearby release sites do not appear to be impacting the commingled plume. Confirmation soil sampling for remediation implemented and assessment in the area of the 6,000 gallon UST excavation near MW-2 at 706 Harrison should be performed, as well as groundwater sampling and analysis from wells SP-3, SP-4, and SP-5. Based on the soil stratigraphy and hydrocarbon concentrations, soil vapor extraction and ozone sparging warrant consideration as remedial alternatives for the site.						

	DESCRIPTION
Limitations and Certification	This report was prepared in accordance with the scope of work outlined in Stantec's contract with ConocoPhillips Company dated October 1, 2007 and with generally accepted professional environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of the joint claimants, namely, ConocoPhillips, Mr. Bo Gin, and Mr. Peter Yee, for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. No other warranties, expressed or implied, are made by Stantec. **Prepared By:** **Reviewed By:** Anthony Giglini, Associate Scientist; Laura Shook, Geologic Associate Information, conclusions, and recommendations provided by Stantec in this document have been prepared under the supervision of and reviewed by the licensed professionals whose signatures appear below. **Licensed Reviewer:** **Signature:** Diane Barclay, C.H.G. Principal Geologist PROFESSIONAL GEOLOGIST · DIANE M. BARCLAY No. HG 34 CERTIFIED HYDRO GEOLOGIST · STATE OF CALIFORNIA **Date:** September 30, 2009 **Stamp:**



REFERENCE: USGS 7.5 MINUTE QUADRANGLE, OAKLAND EAST, CALIFORNIA

Stantec	FOR: UNOCAL NO. 0752/YEE/GIN COMINGLED 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA	**SITE LOCATION MAP**		FIGURE: **1**
	JOB NUMBER: 211402121.200.0301	DRAWN BY: MDR	CHECKED BY: LS	APPROVED BY: DB	DATE: 09/20/09

FILEPATH:M:\ConocoPhillips\0752\FIG-1 TOPO.dwg | Layout Tab: Layout1 | Drafter: MiRamirez | Sep 21, 2009 at 13:32

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID-COAST ENGINEERS (2000); VIRGIL CHAVEZ (2003).

Stantec

FOR: UNOCAL NO.0752-YEE/GIN COMMINGLE 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA		HISTORICAL SITE PLAN	FIGURE: 2
JOB NUMBER: 211402121	DRAWN BY: MDR	CHECKED BY: LS	APPROVED BY: DB	DATE: 08/27/09

FILEPATH:M:\ConocoPhillips\0752\SCM\FIG 2 - SITE-08-27-09.dwg|miramirez|Sep 25, 2009 at 16:25|Layout: C SIZE LANDSCAPE

Sections of USGS map copied from:
Geologic Map and Map Database of the Oakland Metropolitan Area,
Alameda, Contra Costa, and San Francisco Counties, California
By R.W. Graymer, 2000

LIST OF MAP UNITS

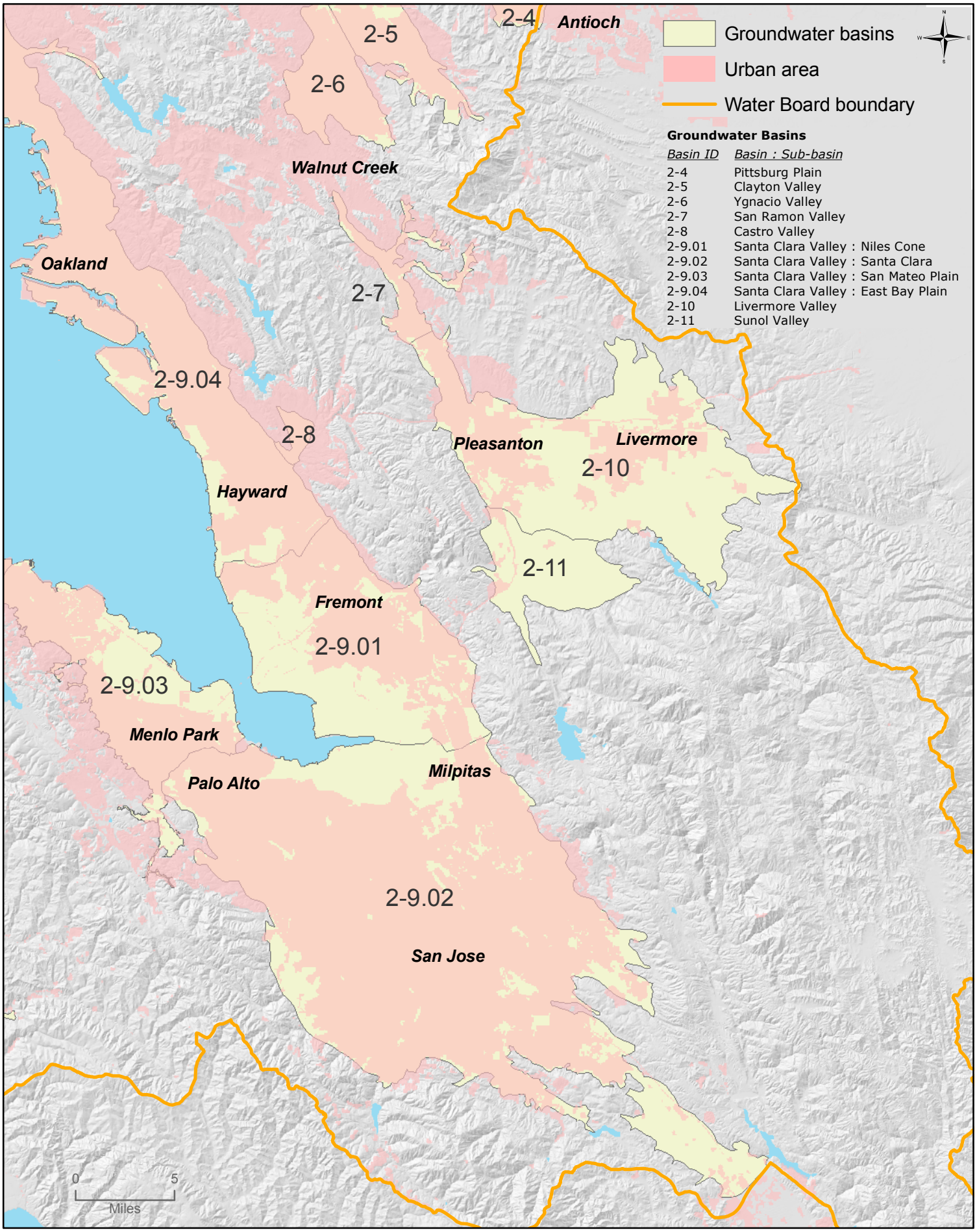
Surficial Deposits

af	Artificial fill (Historic)
alf	Artificial levee fill (Historic)
Qhasc	Artificial stream channels (Historic)
Qhaf1	Younger alluvial fan deposits (Holocene)
Qhaf	Alluvial fan and fluvial deposits (Holocene)
Qhb	Basin deposits (Holocene)
Qhbs	Basin deposits, salt affected (Holocene)
Qhbm	Bay mud (Holocene)
Qhbr	Beach ridge deposits (Holocene)
Qhfp	Floodplain deposits (Holocene)
Qhl	Natural levee deposits (Holocene)
Qhsc	Stream channel deposits (Holocene)
Qds	Dune sand (Holocene and Pleistocene)
Qms	Merrit sand (Holocene and Pleistocene)
Qls	Landslide deposits (Holocene and/or Pleistocene)
Qpaf	Alluvial fan and fluvial deposits (Pleistocene)
Qpaf1	Alluvial terrace deposits (Pleistocene)
Qmt	Marine terrace deposits (Pleistocene)
Qpoaf	Older alluvial fan deposits (Pleistocene)
QTI	Irvington Gravels of Savage (1951) (Pleistocene and Pliocene (?))
QTu	Undifferentiated continental gravels (Pleistocene and/or Pliocene)

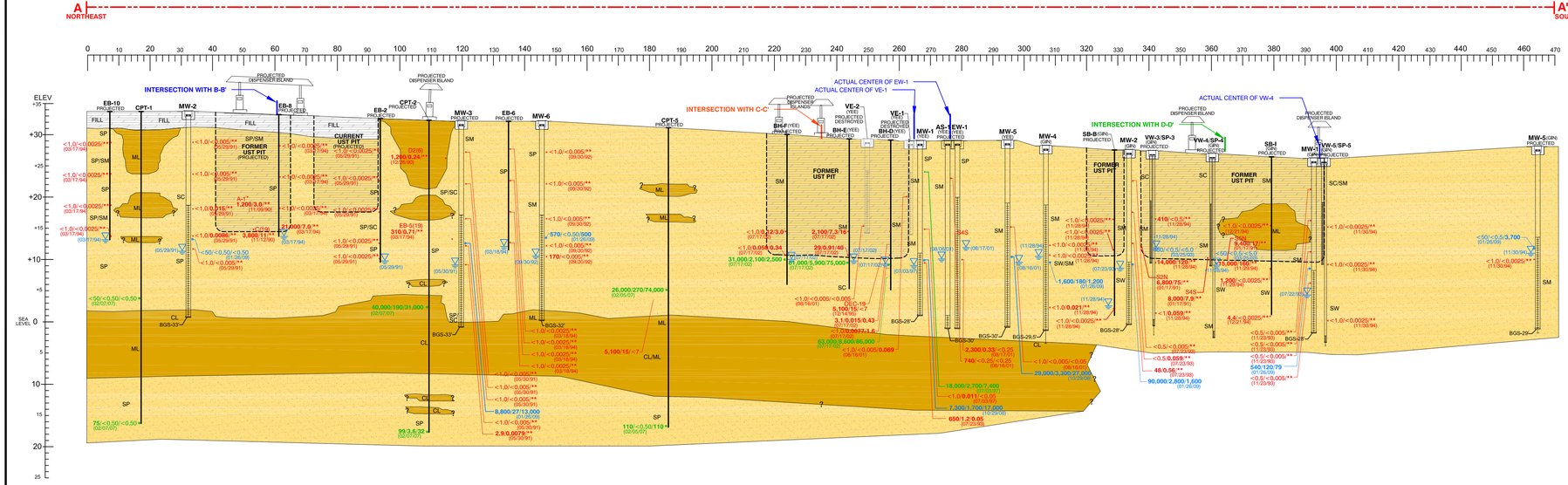
Qms **Merritt sand (Holocene and Pleistocene)**--Fine-grained, very well sorted, well-drained eolian deposits of western Alameda County. The Merritt sand outcrops in three large areas in Oakland and Alameda. Previously thought to be only of Pleistocene age, the Merrit sand is probably time-correlative with unit Qds, based on similar interfingering with Holocene bay mud (Qhbm) and presumably similar depositional environments associated with long-term sea-level fluctuations. The Merrit sand displays different morphology from unit Qds, however, forming large sheets up to 15 meters high with yardang morphology

Qls **Landslide deposits (Holocene and/or Pleistocene)**--Poorly sorted clay, silt, sand, and gravel. Only a few

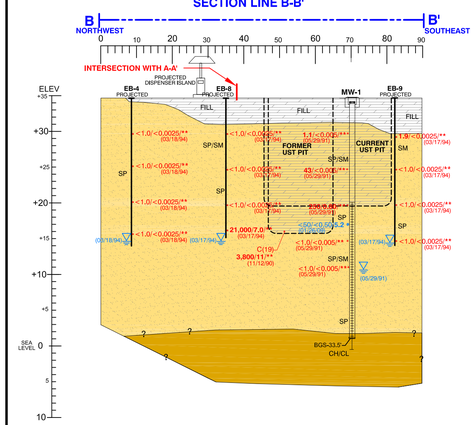
Figure 2-10D Groundwater Basins: East and South Bay



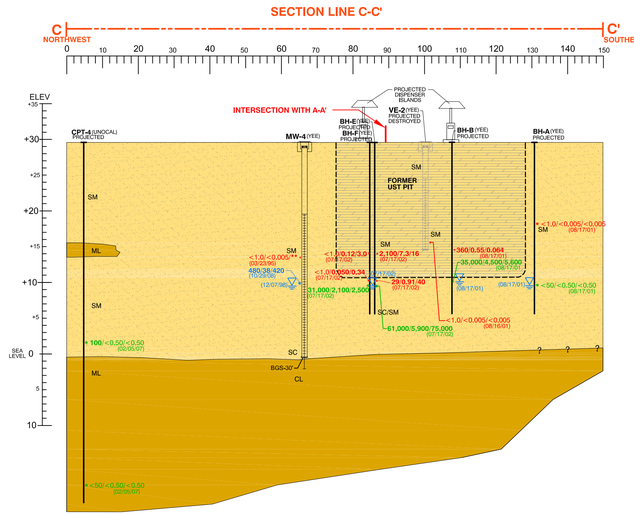
SECTION LINE A-A'



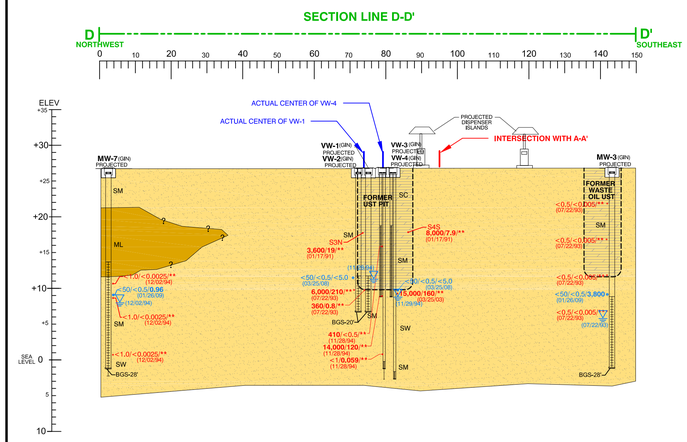
SECTION LINE B-B'

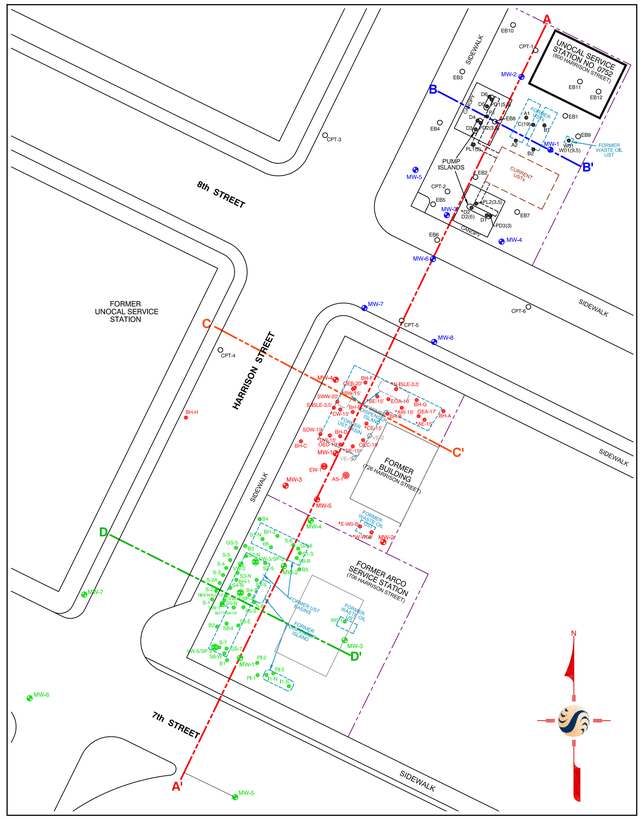


SECTION LINE C-C'



SECTION LINE D-D'





CROSS-SECTION LOCATION MAP
SCALE: 1" = 40'

LEGEND:

TPPH = TOTAL PURGEABLE PETROLEUM HYDROCARBONS
MTBE = METHYL TERTIARY BUTYL ETHER

00/00/00 SOIL ANALYTICAL DATA (TPPH/Benzene/MtBE) mg/kg
00/00/00 GROUNDWATER ANALYTICAL DATA (TPPH/Benzene/MTBE)µg/L (DATA SHOWN AT DEPTH OF STATIC GROUNDWATER)
00/00/00 GRAB GROUNDWATER (TPPH/Benzene/MTBE)µg/L

mg/kg = MILLIGRAMS PER KILOGRAM
µg/L = MICROGRAMS PER LITER
BGS = BELOW GROUND SURFACE
** = NO MTBE DATA

INITIAL GROUNDWATER DURING DRILLING (DATE)

WELL CASING

SCREENED INTERVAL FOR MONITORING AND VAPOR WELLS

NESTED WELLS

SOIL BORING

FILL

CLAY AND SILT (ML/CL/CH)

CLAYEY SAND TO SAND (SC/SM/SW/SP)

INTERPRETED SOIL STRATGRAPHIC BOUNDARY

10
0
0 20
APPROXIMATE SCALE IN FEET

Stantec

FOR:		GEOLOGIC CROSS SECTIONS A-A', B-B',C-C', AND D-D'	FIGURE:
UNOCAL NO. 0752/YEE/GIN COMMINGLE 800, 726, 706 HARRISON STREET OAKLAND, CALIFORNIA			3
JOB NUMBER: 211402523	DRAWN BY: MDR	CHECKED BY: LS	APPROVED BY: DB	DATE: 09/01/09

HISTORICAL WELL AND BORING LOGS

800 HARRISON STREET
OAKLAND, CALIFORNIA

BORING LOG

Project No. KEI-P90-1109	**Boring & Casing Diameter** 9" 2"	**Logged By** W.W. DRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation**	**Date Drilled** 5/29/91
Boring No. MW1	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		5" thick concrete slab over sand and gravel.
				Fill material consisting of silt, clay and gravel, with concrete, wood and glass, moist, gray, brown and yellowish brown mottled.
10/18/28		5	SP/ SM	Fine-grained sand, with silt, trace clay, moist, dense, pale brown to yellowish brown, trace black specks.
18/18/18		10		Fine-grained sand, with silt, trace root holes, moist, dense, olive gray and greenish gray mottled.
6/12/20		15		Fine-grained sand, with silt, trace silt, trace clay, moist, dense,olive brown with slight greenish gray mottling.
20/25/38			SP	Fine-grained sand, trace silt, moist, very dense, dark greenish gray to olive gray.
15/		20		Fine-grained sand, as above, moist, dense, olive gray.

BORING LOG

Project No. KEI-P90-1109	**Boring & Casing Diameter** 9" 2"	**Logged By** W.W.
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation**	**Date Drilled** 5/29/91
Boring No. MW1	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
/19/23			SP	Fine-grained sand, trace silt, moist, dense, olive gray.
20/28/32	▽	25	SP/ SM	Fine-grained sand, with silt, saturated, very dense, grayish brown to light olive brown.
28/32/45		30	SP	Very fine- to fine-grained sand, trace silt, saturated, very dense, grayish brown.
18/23/35		35	CL/ CH	Clay, with silt, trace fine-grained sand, moist, hard, light brownish gray to pale brown.
		40		TOTAL DEPTH:35'

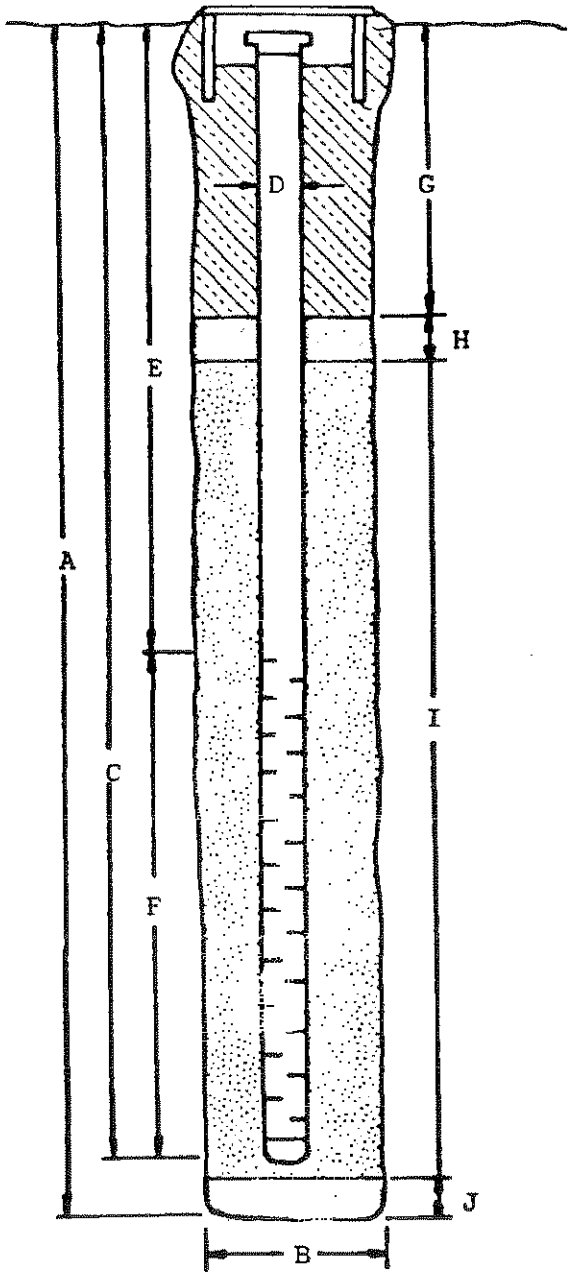
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal 800 Harrison St. Oakland BORING/WELL NO. MW1

PROJECT NUMBER: KEI-J90-1103

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 35'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 33.5'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"
ID = 2.067"

E. Depth to Perforations: 13.5'

F. Perforated Length: 20'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 9.5'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Gravel Pack: 23.5'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: none

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

BORING LOG

Project No. KEI-P90-1103	**Boring & Casing Diameter** 9" 2"	**Logged By** W.W. DRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation**	**Date Drilled** 5/29/91
Boring No. MW2	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement over sand and gravel.
			SC and CL	Fill material consisting of clayey sand and sandy clay, trace brick, trace gravel, moist, brown.
			SC	
6/11/20		5		Clayey sand, field estimated at approximately 15% to 20% clay, sand is fine-grained, moist, dense, dark yellowish brown.
15/19/30		10		Very fine- to fine-grained sand, approximately 15% clay, moist, dense, dark yellowish brown, slight grayish brown mottling.
4/7/9		15		Very fine- to fine-grained sand, approximately 10% clay, moist, medium dense, trace root holes, yellowish brown.
				Very fine- to fine-grained sand, approximately 10% to 15% clay, trace silt, moist, medium dense, gray to olive gray.
19/17/25		20	SP	Very fine- to fine-grained sand, trace clay and silt, dense, moist, greenish gray to dark greenish gray.

BORING LOG

Project No. KEI-P90-1103	**Boring & Casing Diameter** 9" 2"	**Logged By** W.W. DRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation**	**Date Drilled** 5/29/91
Boring No. MW2	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
17/28/42	▽	25	SP	Very fine- to fine-grained sand, trace silt, saturated below 22.5', very dense, dark grayish brown.
22/38/50-3"		30		Very fine- to fine-grained sand, trace silt, saturated, very dense, grayish brown.
24/38/50		35	CL	Very fine- to fine-grained sand, saturated, very dense, dark grayish brown.
		40		Sandy clay, approximately 15% to 20% fine-grained sand, trace silt, moist, hard, light brownish gray.
				TOTAL DEPTH: 33'

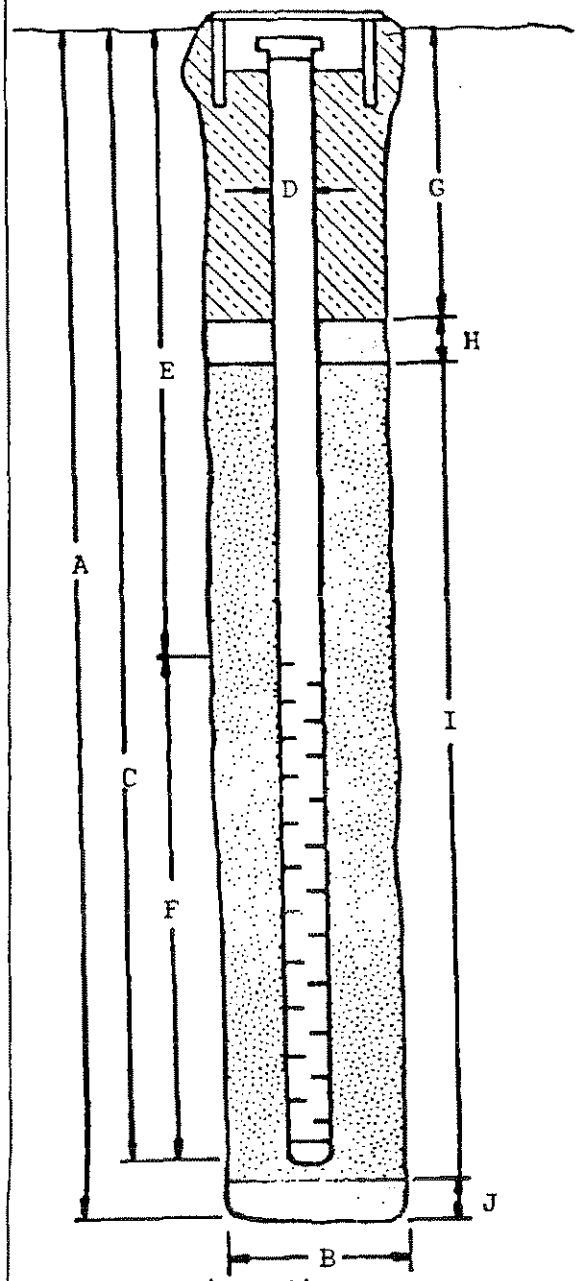
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal 800 Harrison St. Oakland BORING/WELL NO. MW2

PROJECT NUMBER: KEI-J90-1103

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 33'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 33'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375" ID = 2.067"

E. Depth to Perforations: 15'

F. Perforated Length: 18'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 11'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Gravel Pack: 20'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: none

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

BORING LOG

Project No. KEI-P90-1103	**Boring & Casing Diameter** 9" 2"	**Logged By** W.W. DRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation**	**Date Drilled** 5/30/91
Boring No. MW3	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement over sand and gravel.
			SM	Very fine- to fine-grained sand, with approximately 10% silt, moist, medium dense, very dark grayish brown.
				Sand, as above, brown, trace clay.
3/6/14		5	SP/ SC	Very fine- to fine-grained sand, with approximately 10% clay, trace silt, moist, medium dense, dark yellowish brown with light grayish brown mottling.
16/18/22		10		Very fine- to fine-grained sand, with approximately 5% clay, trace silt, moist, dense, yellowish to grayish brown, changing to olive gray below 10.3'.
16/33/41		15		Fine-grained sand, with approximately 5% clay, moist, very dense, olive.
9/14/		20		Fine-grained sand, with approximately 5% clay, moist, dense, light olive gray.

BORING LOG

Project No. KEI-P90-1103	**Boring & Casing Diameter** 9" 2"	**Logged By** W.W. JRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation**	**Date Drilled** 5/30/91
Boring No. MW3	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
/22			SP/ SC	Sand, with clay, as above.
12/24/33	▽		SP	Fine-grained sand, trace silt, very moist to saturated below 23.3', very dense, gray to greenish gray.
16/28/42		25		Very fine- to fine-grained sand, trace silt, saturated, very dense, greenish gray.
19/29/40		30		Very fine- to fine-grained sand, trace silt, saturated, very dense, dark grayish brown to olive brown.
9/14/22			SP/ SC	Very fine- to fine-grained sand, with approximately 10% clay, very moist, very dense, light brownish gray.
			SC/ CL	Very clayey sand to very sandy clay, moist to very moist, dense to hard, light yellowish brown.
		35		
		40		TOTAL DEPTH: 33'

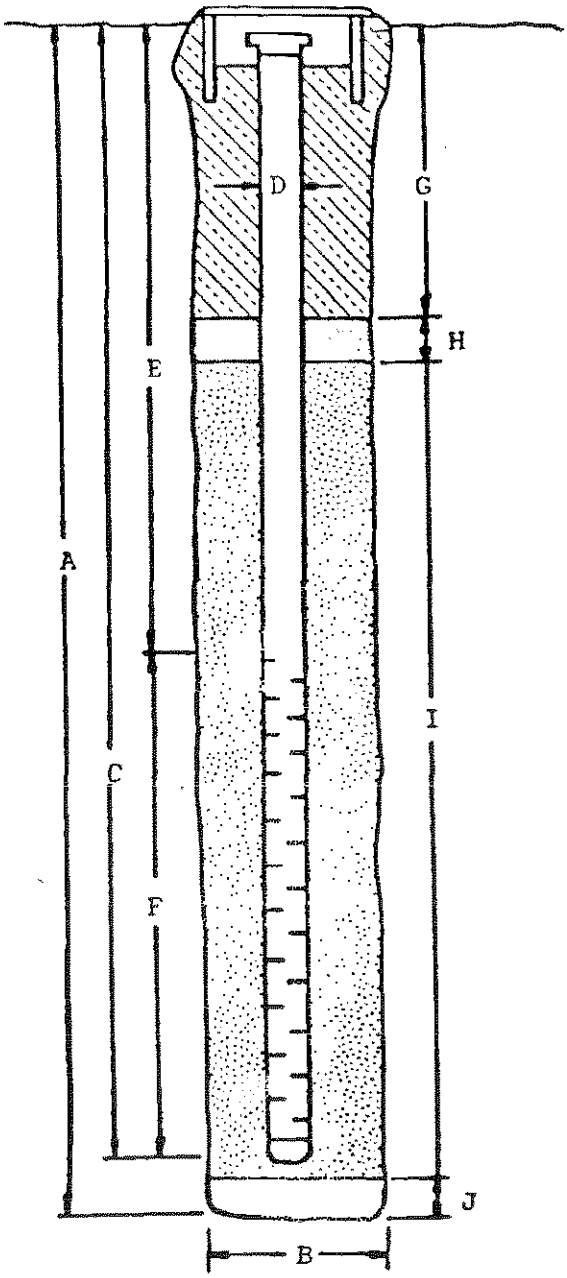
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal 800 Harrison St. Oakland BORING/WELL NO. MW3

PROJECT NUMBER: KEI-J90-1103

WELL PERMIT NO.:

Flush-mounted Well Cover



A. Total Depth: 33'

B. Boring Diameter*: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 33'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375" ID = 2.067"

E. Depth to Perforations: 15'

F. Perforated Length: 18'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 11'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Gravel Pack: 20'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: none

Seal Material: N/A

*Boring diameter can vary from 8-1/4" to 9" depending on bit wear.

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 9" / **Casing Diameter** 2"	**Logged By** JGG W.W. CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 9/30/92
Boring No. MW4	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling Co.

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		3 inches of asphalt over gravel base.
			CL	Clay, stiff, moist, very dark gray (10YR 3/1).
				Sand, estimated at 5-10% silt, moist, brown (10YR 4/3).
12/17/23		5		Sand, estimated at 5-10% silt, trace clay, sand is fine-grained, dense, moist, light yellowish brown (10YR 6/4).
13/15/18		10	SP	Sand, estimated at 5-10% silt, trace clay and gravel to 3/8 inches in diameter, dense, moist, pale brown (10YR 6/3) mottled with yellowish brown (10YR 5/4).
11/21/38		15		Sand, estimated at 5-10% silt and trace clay, dense, moist, pale brown (10YR 6/3) mottled with yellowish brown (10YR 5/4).
10/16/24		20		Sand, estimated at 5-10% silt, dense, moist to very moist, light brownish gray (10YR 6/2).

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 9" **Casing Diameter** 2"	**Logged By** JGG W.W. CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 9/30/92
Boring No. MW4	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling Co.

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
16/19/25	▼	25	SP	Color change Sand, estimated at 5% silt, sand is fine-grained, dense, saturated, greenish gray (5GY 5/1).
				Color change
17/19/26		30		Sand, estimated at 5% silt, sand is fine-grained, dense, saturated, grayish brown (10YR 5/2).
14/28/31			SC-CL	Clayey sand/sandy clay, estimated at 10% silt, trace gravel to 3/8 inches in diameter, sand is fine-grained, very dense/hard, very moist, light brownish gray (2.5Y 6/2).
		35		TOTAL DEPTH: 33'
		40		

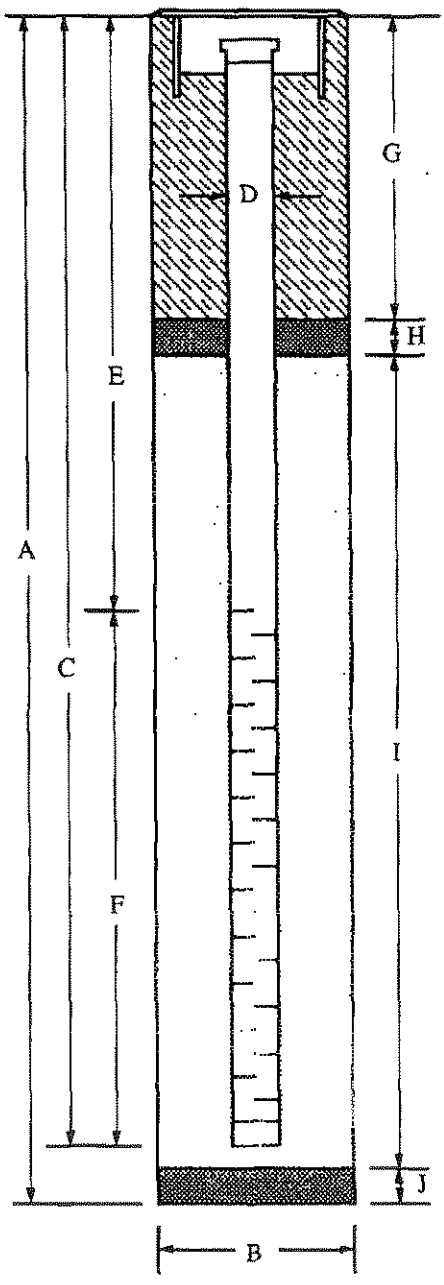
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal S/S #0752, 800 Harrison St., Oakland WELL NO. MW4

PROJECT NUMBER: KEI-P90-1103

WELL PERMIT NO.: 92453

Flush-mounted Well Cover



A. Total Depth : 33'

B. Boring Diameter: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 33'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 15'

F. Perforated Length: 18'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 11'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Filter Pack: 20'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 9" **Casing Diameter** 2"	**Logged By** JGG W.W. CEG 1633
Project Name *Unocal S/S #0752* 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 10/1/92
Boring No. MW5	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling Co.

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		9 inches of concrete pavement over sand base.
				Sand, estimated at 5% silt, sand is fine-grained, medium dense, moist, brown (10YR 4/3).
13/19/31		5		Sand, estimated at 10% silt and 5% clay, sand is fine-grained, dense, moist, greenish gray (5GY 5/1) with olive (5Y 5/3) and yellowish brown (10YR 5/6), mottled.
10/16/25		10	SP	Sand, estimated at 10-15% silt, trace clay, sand is fine-grained, , dense, moist, light olive gray (5Y 6/2).
13/24/35		15		Sand, estimated at 10% silt, trace clay, sand is fine-grained, very dense, moist, greenish gray (5GY 5/1).
13/25/31 23		20		Sand, estimated at 5% silt, very dense, moist to very moist, greenish gray (5GY 5/1).

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 9" **Casing Diameter** 2"	**Logged By** JGG W.W. CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 10/1/92
Boring No. MW5	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling Co.

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
31/55	▼	25	SP	Sand, estimated at 5% silt, sand is fine-grained, very dense, saturated, dark greenish gray (5GY 4/1).
21/29/30		30		Sand, trace silt, sand is fine-grained, dense to very dense, saturated, grayish brown (10YR 5/2).
			CL-SC	Sandy clay/clayey sand, estimated 5-10% silt, sand is fine-grained, hard to very dense, moist, light brownish gray (2.5Y)
		35		TOTAL DEPTH: 32'
		40		

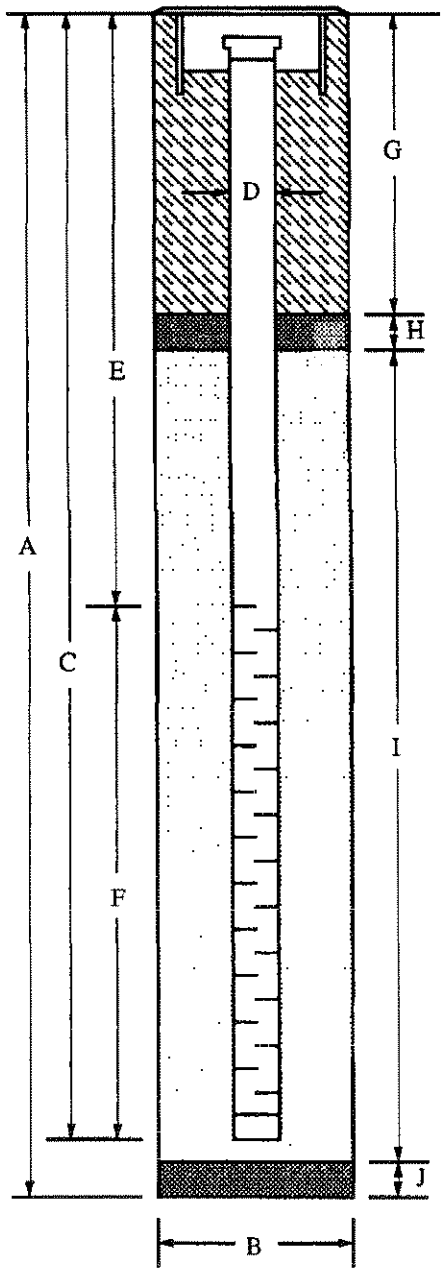
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal S/S #0752, 800 Harrison St., Oakland WELL NO. MW5

PROJECT NUMBER: KEI-P90-1103

WELL PERMIT NO.: 92543

Flush-mounted Well Cover



A. Total Depth : 32'

B. Boring Diameter: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 32'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 15'

F. Perforated Length: 17'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 11'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Filter Pack: 19'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 9" **Casing Diameter** 2"	**Logged By** W.W. JGG CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 9/30/92
Boring No. MW6	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling Co.

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		9 inches of concrete over sand and gravel base.
				Sand, estimated at 5% silt, sand is fine-grained, medium dense, moist, brown (10YR 4/3).
17/26/30		5	SP	Sand, estimated at 10% silt, trace clay, sand is fine-grained, dense, moist to very moist, yellowish brown (10YR 5/4) mottled with olive gray (5Y 5/2).
8/11/19		10	SM	Silty sand, estimated at 15% silt and 5% clay, sand is fine-grained, dense, moist to very moist, yellowish brown (10YR 5/4) mottled with light brownish gray (10YR 6/2).
10/26/55		15	SP	Sand, estimated at 10% silt, trace clay, very dense, moist to very moist, olive gray (5Y 5/2) mottled with greenish gray (5GY 5/1).
13/30/40		20		Sand, very dense, very moist, gray (5Y 6/1), mottled with light olive brown (2.5Y 5/3).
23	▽			Sand, trace silt, sand is fine-grained, very dense, saturated, greenish gray (5GY 5/1).

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 9" **Casing Diameter** 2"	**Logged By** JGG W.W. CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 9/30/92
Boring No. MW6	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling Co.

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
47/50-5"		25	SP	Sand, trace silt, sand is fine-grained, very dense, saturated, greenish gray (5GY 5/1).
21/29/30		30	SM-ML	Sand, estimated at 5% silt, very dense, saturated, dark yellowish brown (10YR 4/4). Silty sand/sandy silt, trace clay, sand is fine-grained, very dense to hard, moist, pale brown (10YR 6/3).
		35		TOTAL DEPTH: 32'
		40		

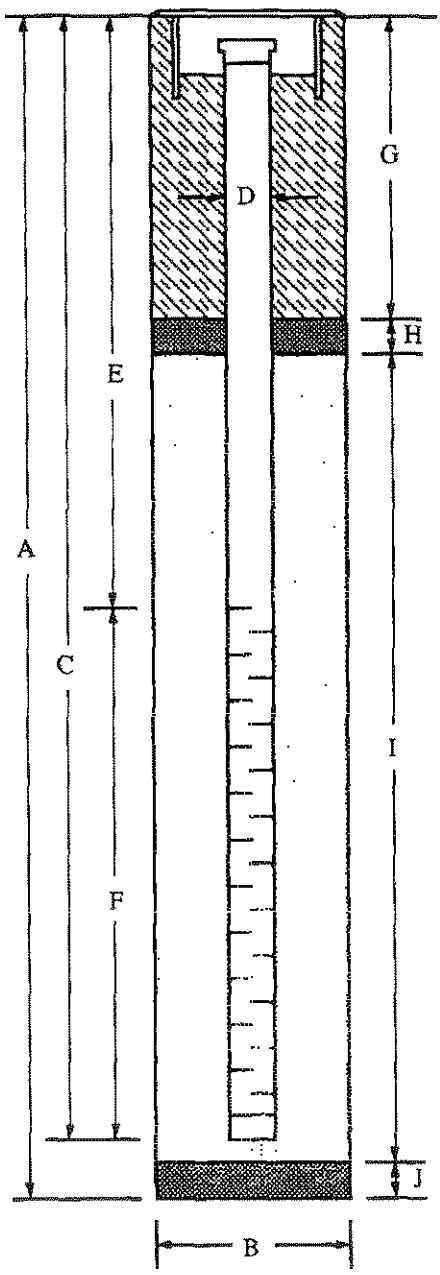
WELL COMPLETION DIAGRAM

PROJECT NAME: Unocal S/S #0752, 800 Harrison St., Oakland WELL NO. MW6

PROJECT NUMBER: KEI-P90-1103

WELL PERMIT NO.: 92543

Flush-mounted Well Cover



A. Total Depth : 32'

B. Boring Diameter: 9"

Drilling Method: Hollow Stem Auger

C. Casing Length: 32'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 15'

F. Perforated Length: 17'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 11'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Filter Pack: 19'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8" **Casing Diameter** 2"	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 4/14/93
Boring No. MW7	**Drilling Method** Hollow-stem Auger	**Drilling Company** Great Sierra Exploration

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete slab over sand, gravel and concrete (fill).
				Poorly graded sand, medium-grained, loose, moist, dark yellowish brown.
4/8/6		5		Clayey sand, estimated at 15% clay, medium dense, moist, brown, with iron oxide staining.
				Poorly graded sand, estimated at 5-10% silt, medium dense, moist, dark yellowish brown.
9/14/22		10	SP	Poorly graded sand, trace silt, medium dense to dense, moist to very moist, olive and dark greenish gray, mottled.
6/14/19		15		Poorly graded sand as above, predominantly medium-grained, estimated at 5-10% silt, medium dense to dense, moist, dark greenish gray.
8/15/20				Poorly graded sand, medium-grained, trace silt, medium dense to dense, moist, dark olive.
9/16/22		20		Poorly graded sand, predominantly medium-grained, trace to 10% silt, medium dense to dense, moist to saturated, greenish gray.
7/16/18	▼			

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8" **Casing Diameter** 2"	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 4/14/93
Boring No. MW7	**Drilling Method** Hollow-stem Auger	**Drilling Company** Great Sierra Exploration

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
6/13/18		25	SP	Poorly graded sand, predominantly medium-grained, trace to 10% silt, medium dense to dense, saturated, dark greenish gray and dark olive gray, mottled.
18/50		30		Poorly graded sand, medium-grained, clean, dense to very dense, saturated, dark olive grading to dark olive brown.
4/10/18			ML	Sandy silt, trace clay, hard, friable, moist, light olive brown, *sand is fine to medium-grained.*
		35		TOTAL DEPTH: 33'
		40		

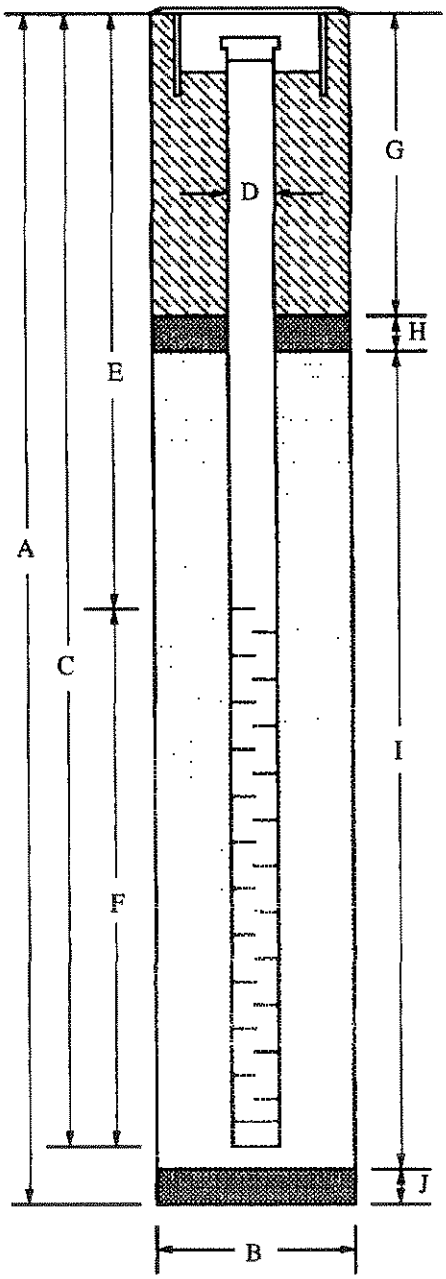
WELL CONSTRUCTION DIAGRAM

PROJECT NAME: Unocal #0752, 800 Harrison St., Oakland **WELL NO.:** MW7

PROJECT NUMBER: KEI-P90-1103

WELL PERMIT NO.: ACFC&WCD 93076

Flush-mounted Well Cover



A. Total Depth : 33'

B. Boring Diameter: 8"

Drilling Method: Hollow Stem Auger

C. Casing Length: 33'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 13'

F. Perforated Length: 20'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 9'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Filter Pack: 22'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8" **Casing Diameter** 2"	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 4/14/93
Boring No. MW8	**Drilling Method** Hollow-stem Auger	**Drilling Company** Great Sierra Exploration

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		*Concrete slab over sand (fill).*
				Granite slab or oblong boulder.
				Poorly graded sand, medium-grained, loose, moist, dark yellowish brown.
6/13/19		5		Poorly graded sand, predominantly fine-grained, estimated at 5-10% silt and trace clay, medium dense to dense, moist, brown and dark yellowish brown mottled, grades to dark olive gray.
11/14/14		10	SP	*Poorly graded sand, predominantly medium-grained, estimated* at 5-10% silt, medium dense, moist, light olive brown with iron oxide staining.
7/17/24		15		Poorly graded sand as above, except olive gray to dark olive *gray.*
5/10/17		20		Poorly graded sand, predominantly medium-grained, estimated at 5 to 10% silt, medium dense to dense, moist to saturated, greenish gray.
6/11/20	▼			

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8" / **Casing Diameter** 2"	**Logged By** JGG / **D.L.** CEG 1633
Project Name Unocal S/S #0752, 800 Harrison St., Oakland	**Well Cover Elevation**	**Date Drilled** 4/14/93
Boring No. MW8	**Drilling Method** Hollow-stem Auger	**Drilling Company** Great Sierra Exploration

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
6/13/18		25	SP	Poorly graded sand, medium-grained, trace silt, medium dense, saturated, olive brown.
				Poorly graded sand, medium-grained, clean, medium dense, saturated, dark olive, with iron oxide staining.
18/50		30	SM	Silty sand, estimated at 20-25 silt, dense, cohesive, moist, light olive brown.
			ML	Clayey silt, trace sand, hard, moist, light olive green.
				TOTAL DEPTH: 31'
4/10/18		35		
		40		

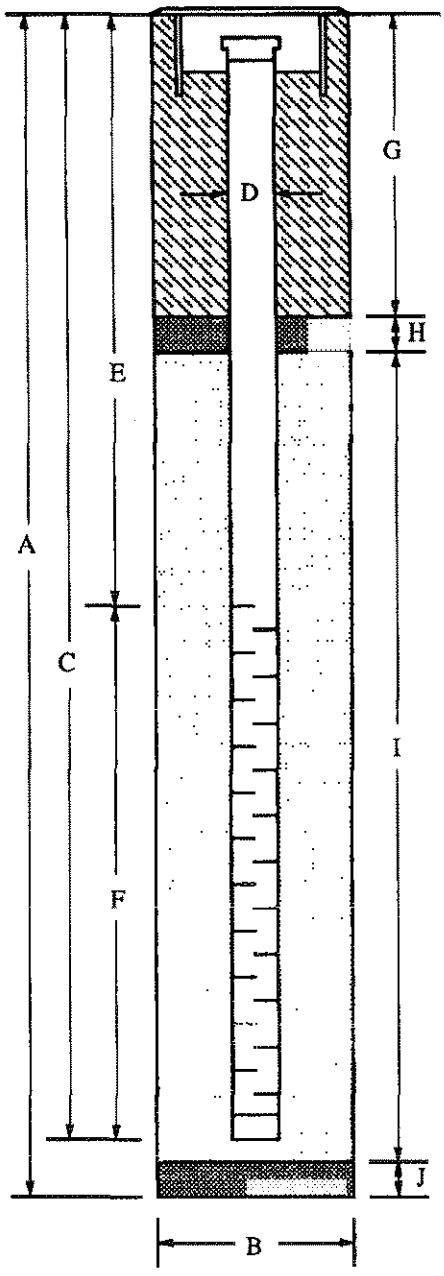
WELL CONSTRUCTION DIAGRAM

PROJECT NAME: Unocal #0752, 800 Harrison St., Oakland **WELL NO.:** MW8

PROJECT NUMBER: KEI-P90-1103

WELL PERMIT NO.: ACFC&WCD 93076

Flush-mounted Well Cover



A. Total Depth : 31'

B. Boring Diameter: 8"

Drilling Method: Hollow Stem Auger

C. Casing Length: 29'

Material: Schedule 40 PVC

D. Casing Diameter: OD = 2.375"

ID = 2.067"

E. Depth to Perforations: 11'

F. Perforated Length: 18'

Perforation Type: Machined Slot

Perforation Size: 0.020"

G. Surface Seal: 7'

Seal Material: Neat Cement

H. Seal: 2'

Seal Material: Bentonite

I. Filter Pack: 22'

Pack Material: RMC Lonestar Sand

Size: #3

J. Bottom Seal: None

Seal Material: N/A

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8"	**Logged By** W.W.
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation** N/A	**Date Drilled** 5/29/91
Boring No. EB1	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		6" thick concrete slab over sand and gravel.
			SM	Fill material consisting of silty sand, with bricks and concrete chunks to 5" diameter, trace gravel, moist, dense, dark yellowish brown.
9/18/27		5	SP	Fine-grained sand, trace silt and clay, moist, dense, light yellowish brown and yellowish brown mottled with traces of gray.
11/15/18		10		Very fine- to fine-grained sand, trace silt, moist, dense yellowish brown.
8/10/21		15		Fine-grained sand, trace clay and silt, moist, dense, yellowish brown and light brownish gray mottled.
			SP	
11/22/33		20		Fine-grained sand, trace clay and silt, moist, very dense, gray to light brownish gray.

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8"	**Logged By** W.W. JRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation** N/A	**Date Drilled** 5/29/91
Boring No. EB1	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
10/20/33	▽		SP	Very fine- to fine-grained sand, trace silt, saturated below 22.3', very dense, olive gray.
		25		
		30		
		35		
		40		TOTAL DEPTH: 23'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8"	**Logged By** W.W. DRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation** N/A	**Date Drilled** 5/29/91
Boring No. EB2	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Asphalt pavement over sand and gravel.
			SM	Fill material consisting of silty sand, with brick and concrete chunks, moist, brown to yellowish brown.
			SP	
		5		
5/8/12				Very fine- to fine-grained sand, trace silt, moist, medium dense, yellowish brown.
				Very fine- to fine-grained sand, trace silt, moist, trace root holes, dense, yellowish brown to dark yellowish brown.
14/16/19		10		
			SP/ SC	
				Fine-grained sand, with clay, trace silt, moist, dense, yellowish brown.
8/16/23		15		
			SP	Very fine- to fine-grained sand, trace clay and silt, moist, dense, light yellowish brown to light olive brown, trace gray mottling.
12/18/23		20		

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8"	**Logged By** W.W. DRB
Project Name Unocal 800 Harrison St. Oakl	**Well Cover Elevation** N/A	**Date Drilled** 5/29/91
Boring No. EB2	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
11/18/37	▽		SP	Very fine- to fine-grained sand, saturated below 22.9', trace clay, very dense, light olive brown.
		25		
		30		
		35		
		40		TOTAL DEPTH: 23'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGG J.G. CEG 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/18/94
Boring No. EB3	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete slab (sidewalk)
				Silty sand, up to 15% silt, sand is fine to medium grained, loose to medium dense, moist, dark brown (fill and disturbed native soil).
				Poorly graded sand, fine to medium grained, medium dense, moist, yellowish brown.
8/12/32		5		Poorly graded sand, up to 15% silt and trace clay, sand is predominantly medium grained, very dense, moist, light reddish brown, with heavy iron oxide staining.
12/17/23		10	SP	Poorly graded sand, up to 10% variable silt content, predominantly medium grained, very dense, light reddish brown and medium brown mottled, mottled iron oxide straining.
8/12/20		15		Poorly graded sand as above, except dense, gray, very moist.
11/18/23	▽	20		Poorly graded sand as above, except wet.
				TOTAL DEPTH: 20.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGC J.G. CE6/633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/18/94
Boring No. EB4	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete slab (sidewalk)
				Poorly graded sand, predominantly medium grained, trace to 10% silt, medium dense, moist, brown, bricks and concrete debris common (fill).
7/14/20		5		Poorly graded sand, predominantly medium grained, up to 10% silt, dense, very moist, orange brown, mottled, iron-oxide staining.
13/16/23		10	SP	Poorly graded sand as above, except very dense, gray to brownish gray, mottled, iron-oxide staining.
15/21/30		15		Poorly graded sand as above, gray.
13/15/20	▽	20		Poorly graded sand, predominantly medium grained, trace silt, very dense, wet, gray.
				TOTAL DEPTH: 20.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/17/94
Boring No. EB5	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete slab (sidewalk)
1/2/2		5	SP	Poorly graded sand, estimated at 5-10% silt with gravel, concrete and debris, loose, moist, predominantly dark brown and very dark grayish brown (fill and disturbed native soil).
9/5/16		10		Poorly graded sand, trace silt, predominantly medium grained, medium dense, moist, dark greenish gray.
			SP	
12/19/38		15		Poorly graded sand, trace silt, predominantly medium grained, dense to very dense, cohesive, moist, olive and olive gray, mottled.
17/28/40				Poorly graded sand, trace silt, predominantly medium grained, very dense grading to dense, moist grading to wet, dark greenish gray, with an occasional lens of silt.
14/19/22	▽	20		
				TOTAL DEPTH: 20.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGG J.G. CEG 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/18/94
Boring No. EB6	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete slab (sidewalk)
			SP	Poorly graded sand, predominantly medium grained, moist, medium dense to dense, brown and dark brown, mottled with gravel and concrete debris (fill).
2/5/8		5		Poorly graded sand as above (fill).
12/12/14		10	SP	Poorly graded sand, predominantly medium grained, up to 10% silt, dense, moist, light brown and light reddish brown, mottled, iron-oxide staining.
10/21/30		15		Poorly graded sand as above, except moist to very moist, very dense, gray.
18/20/24				Poorly graded sand as above.
11/17/25	▽	20		Poorly graded sand, predominantly medium grained, trace to 10% silt, very dense, wet, gray.
				TOTAL DEPTH: 20.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/17/94
Boring No. EB7	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		A.C. Pavement over sand and gravel base
				Silt, sand and gravel, with concrete and debris(fill).
4/13/20		5		Poorly graded sand, trace to 10% variable silt content, sand is predominantly medium grained, medium dense, moist, brown and dark yellowish brown.
11/10/22		10	SP	Poorly graded sand, trace silt, sand is predominantly medium grained, , medium dense, slightly cohesive, brown, with iron-oxide staining.
14/22/40		15		Poorly graded sand as above, except dense to very dense, dark yellowish brown.
16/28/32	▽			Poorly graded sand, clean to trace silt, sand is predominantly medium grained, dense to very dense, moist to wet, olive brown.
		20		TOTAL DEPTH: 19.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/17/94
Boring No. EB8	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete Slab
NO DATA Samples Pushed				Poorly graded sand, predominantly medium grained, loose, moist, olive brown, with bricks and debris (fill and disturbed native soil).
		5	SP/SM	Poorly graded sand, estimated at 10-15% silt, locally with trace clay, sand is predominantly medium grained, medium dense, moist, olive brown, with iron-oxide staining.
		10	SP	Poorly graded sand, trace silt, predominantly medium grained, medium dense, moist, olive brown and olive gray, mottled.
		15		Poorly graded sand, estimated at 5-10% silt, trace clay, predominantly medium grained, medium dense, moist, dark olive gray and dark greeenish gray, mottled.
	▽			Poorly graded sand as above, moist to wet, grades to light olive brown below 18.75 feet, grades to dense.
		20		TOTAL DEPTH: 19.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGG D.L. CEG/1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/17/94
Boring No. EB9	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete Slab
				Poorly graded sand, variable silt content, loose, slightly moist, predominantly brown to very dark grayish brown, with numerous bricks, cobbles and concrete (fill).
2/4/7		5	SM	Silty sand, estimated at 15% silt, trace clay, sand is predominantly medium grained, medium dense, moist, dark brown and dark yellowish brown, with heavy iron oxide staining.
10/16/23		10		Poorly graded sand, clean to trace silt, sand is predominantly medium grained, medium dense to dense, moist, olive and olive gray, mottled.
12/14/18		15	SP	Poorly graded sand as above, except trace to 10% variable silt content.
11/15/20	▽	20		Poorly graded sand, trace silt, medium grained, medium dense to dense, moist to wet, olive gray.
				TOTAL DEPTH: 20.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 8.5" **Casing Diameter** N/A	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/17/94
Boring No. EB10	**Drilling Method** Hollow-stem Auger	**Drilling Company** Woodward Drilling

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		A.C. Pavement over sand and gravel base, with concrete and asphalt debris (fill).
			SP	Poorly graded sand, loose, slightly moist, dark brown, with debris (fill and disturbed native soil).
6/17/19		5	SP/SM	Poorly graded sand, estimated at 10-15% silt, sand is predominantly medium grained, medium dense to dense, moist, olive brown, with iron-oxide staining.
13/20/24		10	SP	Poorly graded sand, trace silt, medium grained, medium dense, moist, olive brown, with iron oxide staining.
			SP/SM	Poorly graded sand, estimated at 10-15% silt, trace clay, sand is predominantly medium grained, dense, moist, olive brown.
8/14/18		15	SP	Poorly graded sand, estimated at 5-10% silt, trace clay, medium dense to dense, moist, brown and dark yellowish brown, mottled.
10/17/18	▽	20		Poorly graded sand, trace silt, sand is medium grained, medium dense to dense, very moist to wet, dark greenish gray.
				TOTAL DEPTH: 20.5'

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 3" **Casing Diameter** N/A	**Logged By** JGC D.L. CEC 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/18/94
Boring No. EB11	**Drilling Method** N/A	**Drilling Company** Hand Augered by KEI Personnel

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete Slab
				Poorly graded sand, gravel, loose, slightly moist, brown, with bricks and concrete debris (fill and disturbed native soil).
		5		Poorly graded sand, predominantly medium grained, loose to *medium dense, slightly moist, olive brown, clean.*
				Poorly graded sand, trace silt, sand is predominantly medium grained, medium dense, moist, dark yellowish brown grades to dark olive gray and dark greenish gray below 6 feet.
		10	SP	Poorly graded sand, medium grained, trace to 10% silt, medium dense *to dense, moist, dark greenish gray.*
		15		TOTAL DEPTH: 10.5'
		20		

BORING LOG

Project No. KEI-P90-1103	**Boring Diameter** 3" **Casing Diameter** N/A	**Logged By** JGG D.L. CEG 1633
Project Name Unocal S/S #0752 800 Harrison Street, Oakland	**Well Cover Elevation** N/A	**Date Drilled** 3/18/94
Boring No. EB12	**Drilling Method** N/A	**Drilling Company** Hand Augered by KEI Personnel

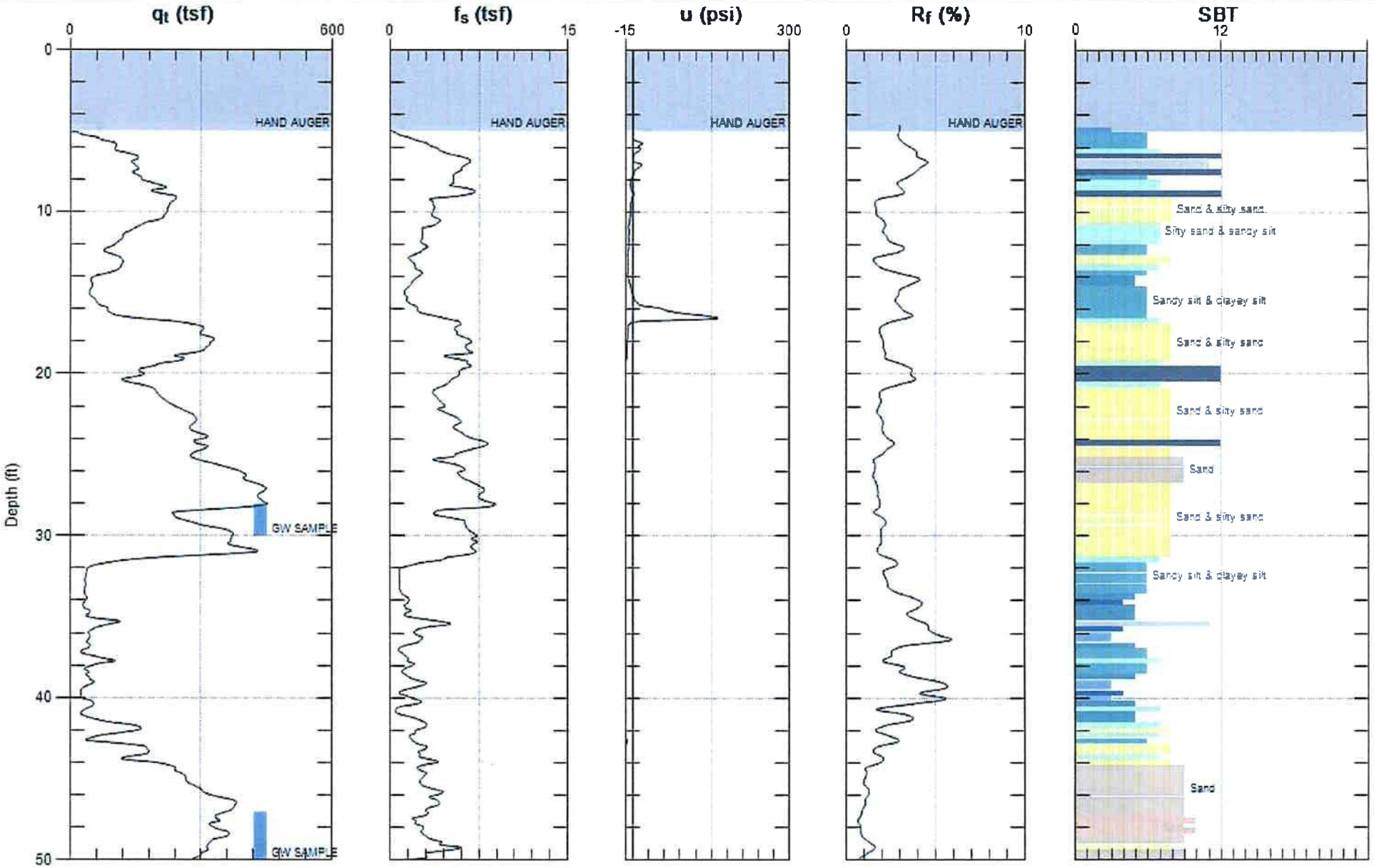
Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati-graphy USCS	Description
		0		Concrete Slab
				Poorly graded sand, loose, slightly moist, dark brown to very dark grayish brown, with bricks, gravel and concrete debris (fill).
			SP	Poorly graded sand, loose, moist, olive brown.
		5	SC	Clayey sand, estimated at 15% clay, medium dense, moist, dark brown and dark yellowish brown.
			SP/SM	Poorly graded sand with silt, trace clay, medium dense, moist, dark brown and dark yellowish brown.
			SP	Poorly graded sand, medium grained, up to 10% silt, medium dense to dense, moist, dark yellowish brown.
		10		
				TOTAL DEPTH: 11'
		15		
		20		

GREGG

TRC

Site: 76 SERVICE STA. #0752 **Engineer: K.WOODBORNE**

Sounding: CPT-01 **Date: 2/7/2007 12:12**



Max. Depth: 50.200 (ft)
Avg. Interval: 0.328 (ft)

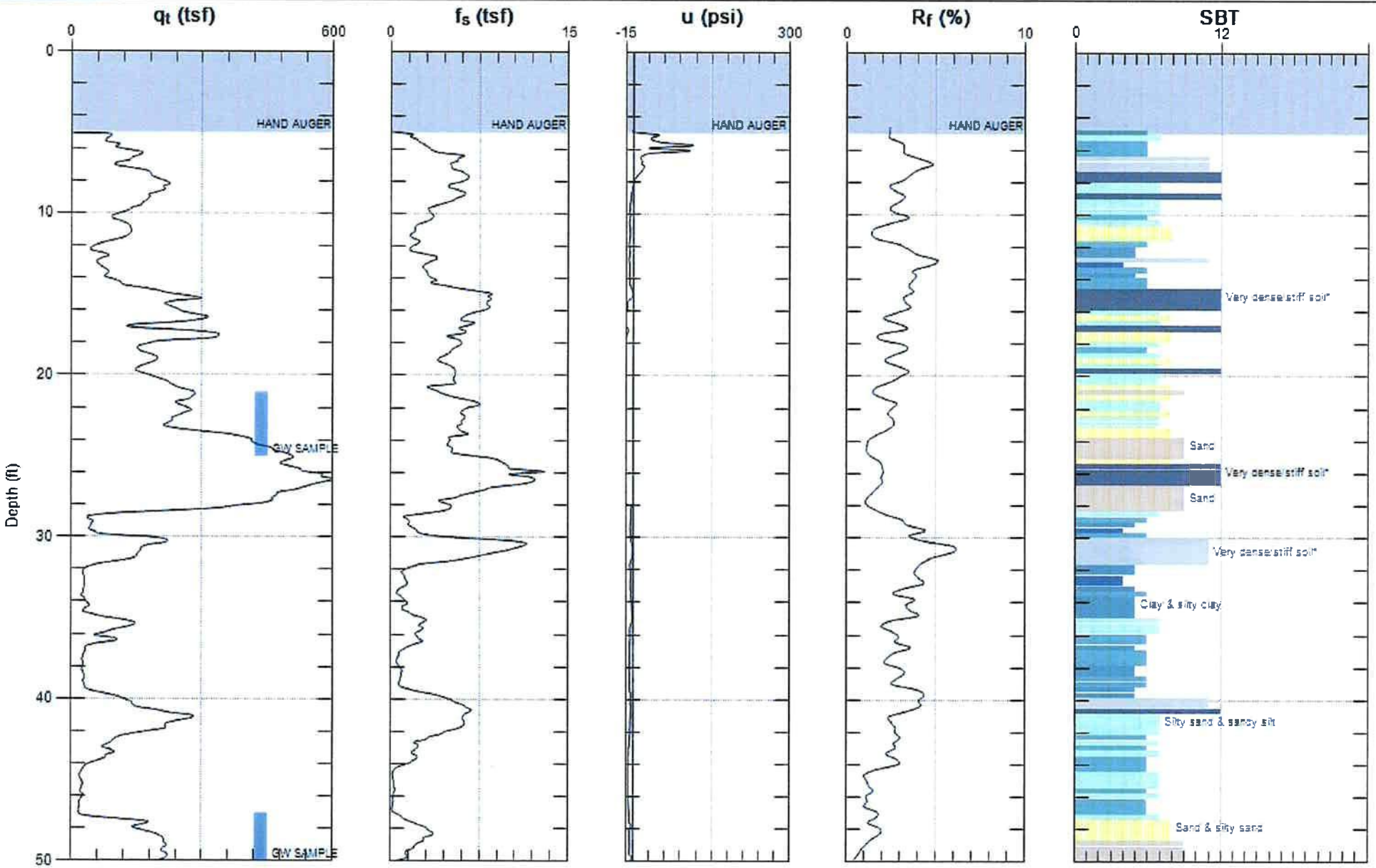
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC

Site: 76 SERVICE STA. #0752 **Engineer: K.WOODBORNE**

Sounding: CPT-02 **Date: 2/7/2007 07:25**



Max. Depth: 50.200 (ft)
Avg. Interval: 0.328 (ft)

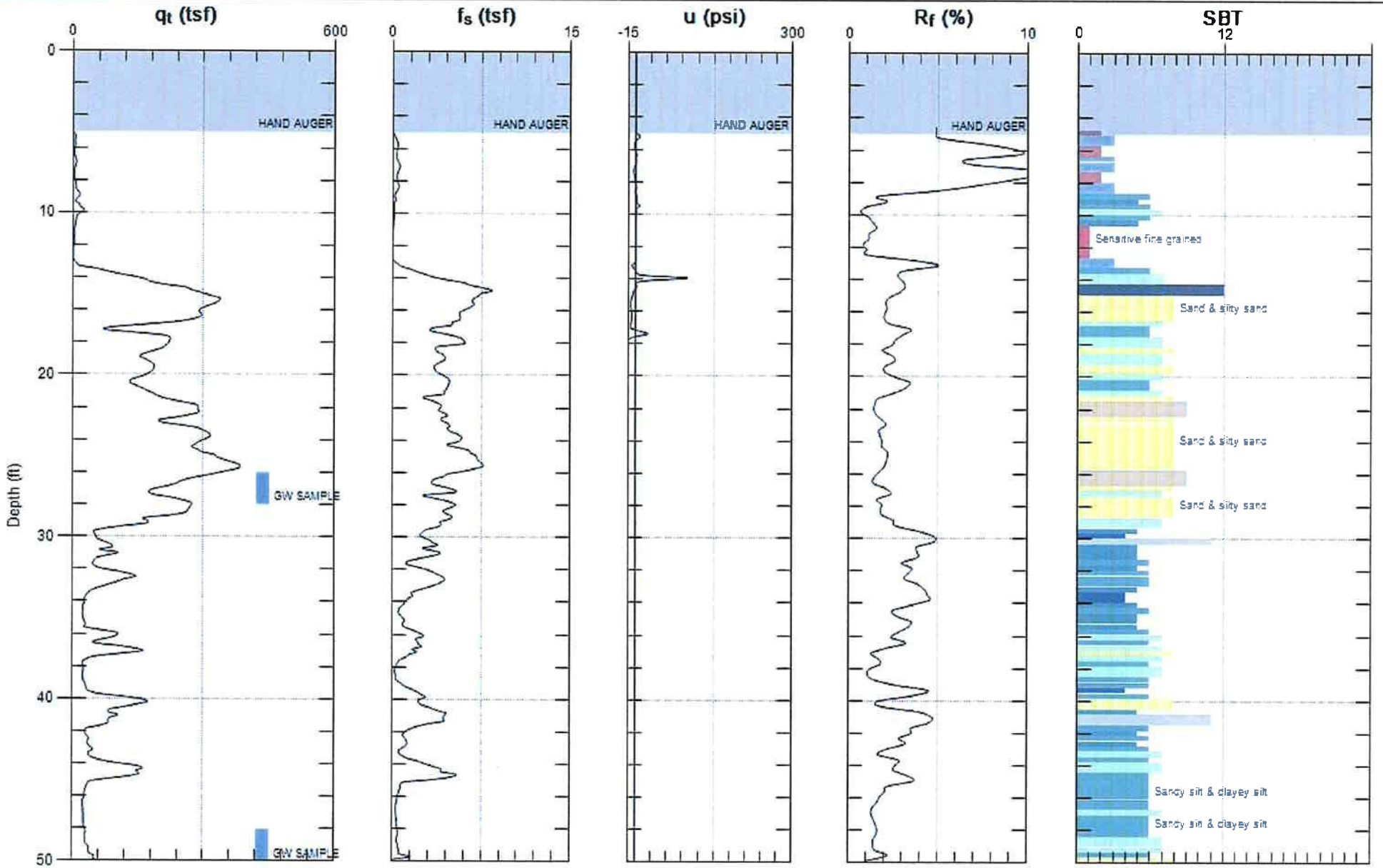
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC

Site: 76 SERVICE STA. #0752 **Engineer: K.WOODBORNE**

Sounding: CPT-03 **Date: 2/6/2007 11:06**



Max. Depth: 50.030 (ft)
Avg. Interval: 0.328 (ft)

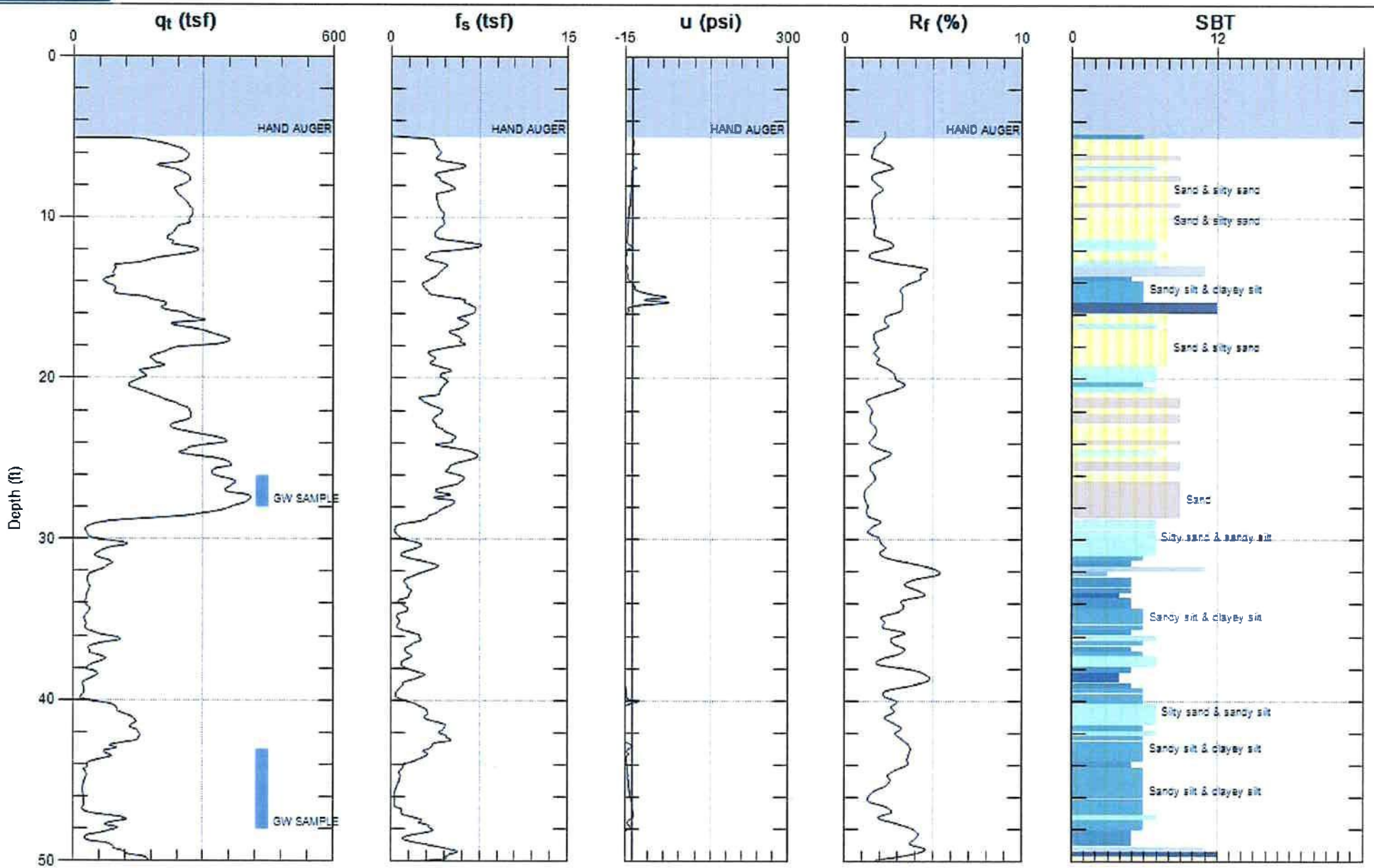
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC

Site: 76 SERVICE STA. #0752 **Engineer: K.WOODBORNE**

Sounding: CPT-04 **Date: 2/5/2007 11:43**



Max. Depth: 50.200 (ft)
Avg. Interval: 0.328 (ft)

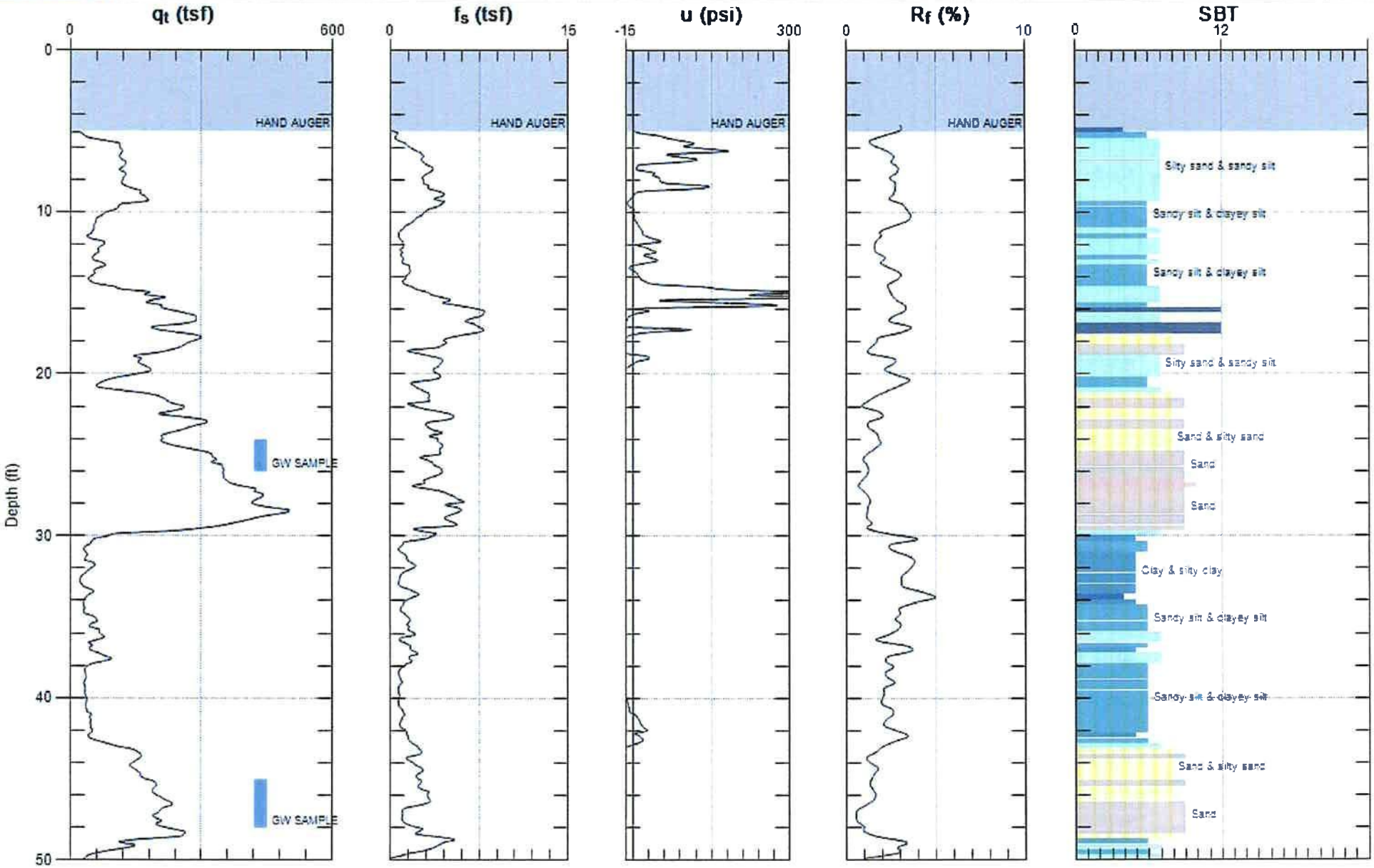
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC

Site: 76 SERVICE STA. #0752 **Engineer: K.WOODBORNE**

Sounding: CPT-05 **Date: 2/5/2007 08:08**



Max. Depth: 50.030 (ft)
Avg. Interval: 0.328 (ft)

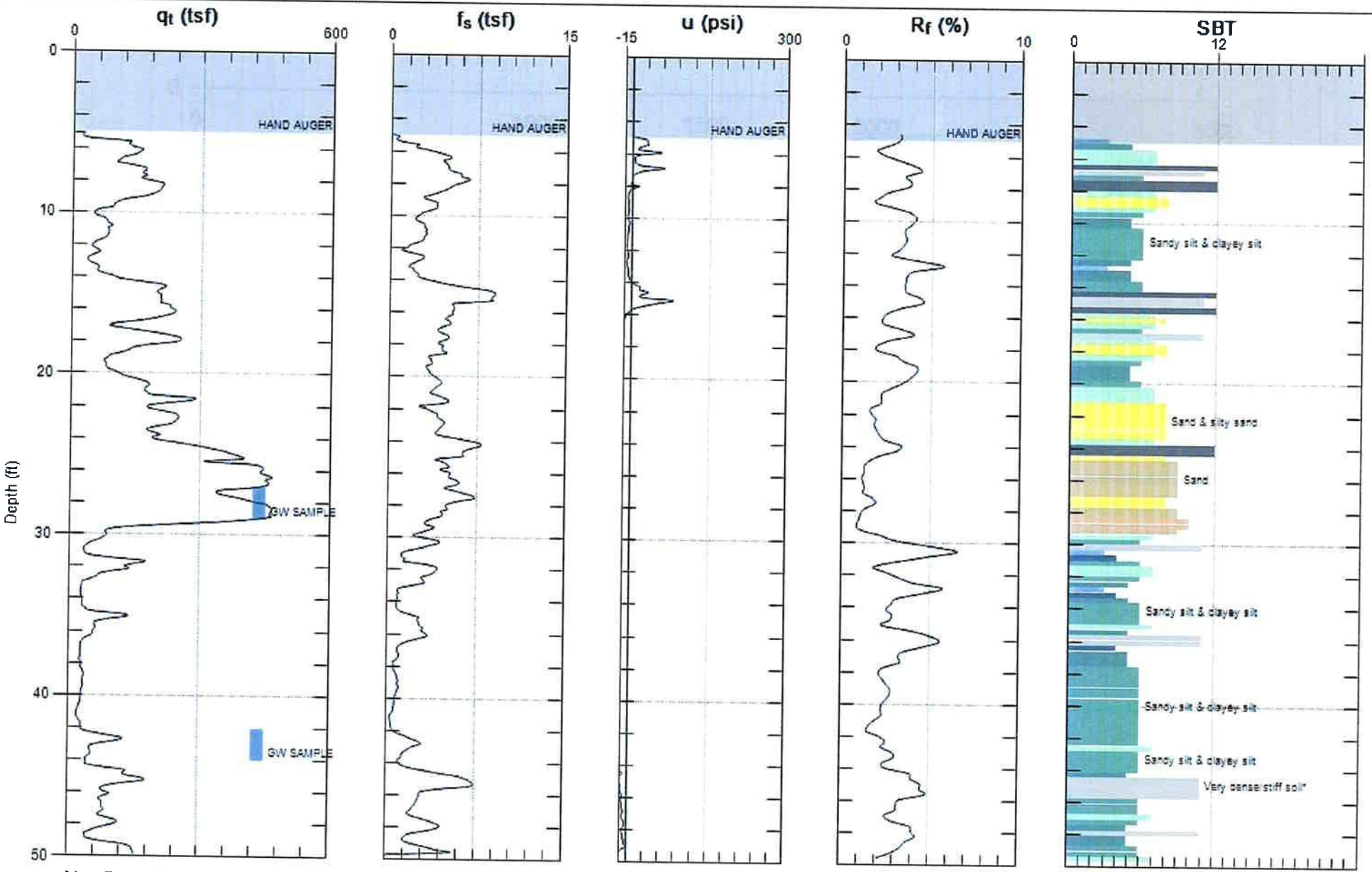
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC

Site: 76 SERVICE STA. #0752 **Engineer: K.WOODBORNE**

Sounding: CPT-06 **Date: 2/6/2007 07:41**



Max. Depth: 49.870 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

726 HARRISON STREET
OAKLAND, CALIFORNIA

DRILL RIG:

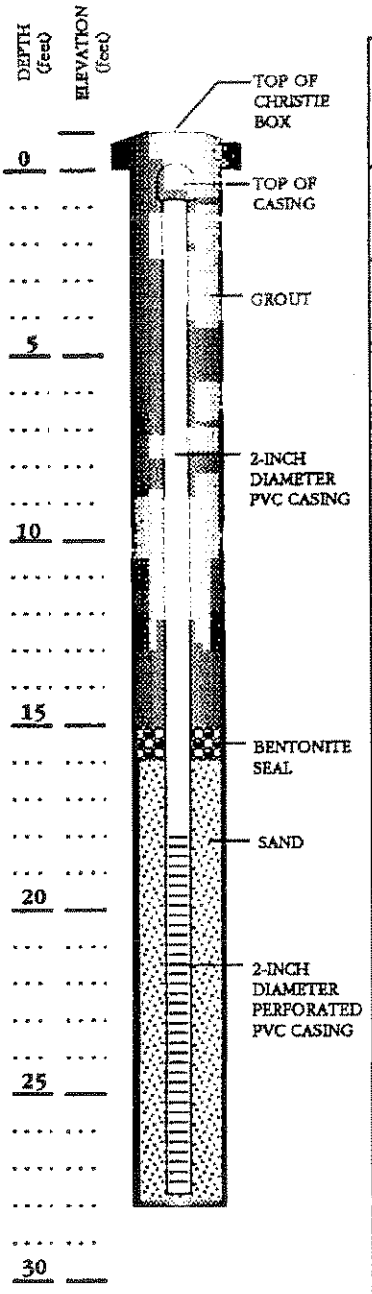
SURFACE ELEVATION: –

LOGGED BY: BAF

DEPTH TO GROUND WATER: 20 ft.
(From Surface Elevation)

BORING DIAMETER: 8 inches

DATE DRILLED: 7/3/97



DESCRIPTION	SYMBOL	CONSISTENCY	SOIL TYPE	LEGEND	DEPTH (feet)	SAMPLER	WATER CONTENT (%)	PENETRATION RESISTANCE (BLOWS/FT.)	ORGANIC VAPORS (ppm)
Asphalt/Baserock	Af								
SAND, Brown, moist, fine to medium grained	A	Loose	SP		5			7	
Brown and gray mottled, trace silt, moderate petroleum odor		Dense			10			54	
Trace silt and clay, strong petroleum odor		Medium dense			15			21	
Gray, wet, no silt and clay, very strong petroleum odor		Very dense			20		▼	60	
Saturated, petroleum odor		Medium dense			25			37	
Brown, saturated, no odor		Dense						44	
Bottom of Well = 28.0 feet NOTE: The stratification lines represent the approximate boundary between the soil types. The transition may be gradual.					30				

812-3, 11/15 TJR*EB

MONITORING WELL LOG - MW-1

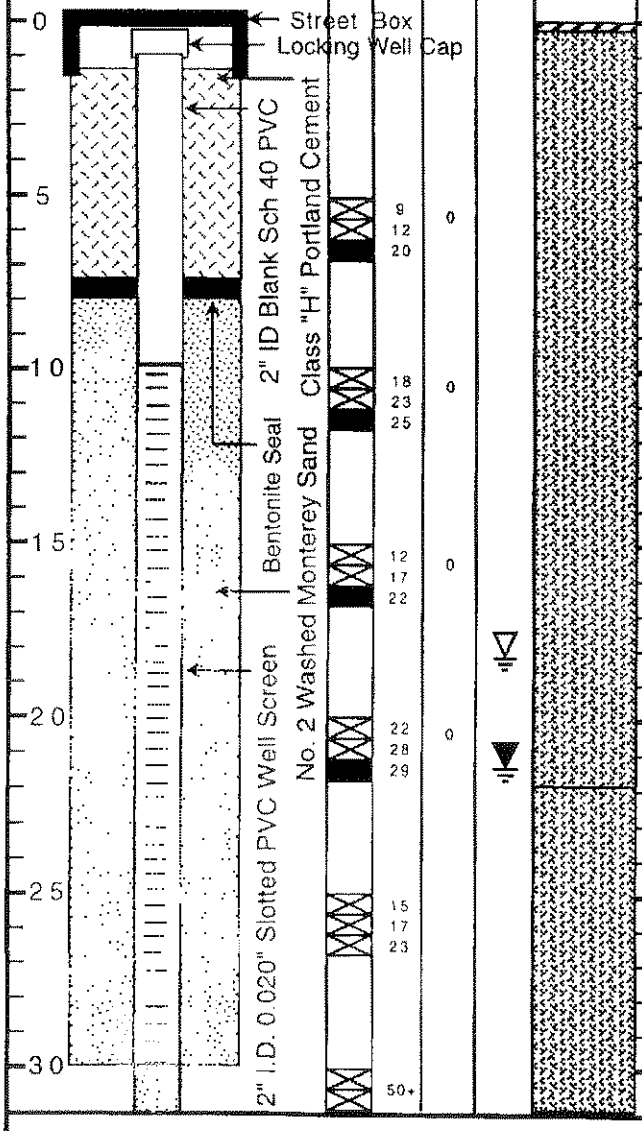
726 HARRISON STREET
Oakland, California

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

MW-1
1260-1

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well MW-2
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: V&W Drilling, Rio Vista, CA	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Robert E. Kitay, R.G.	Date Drilled: December 7, 1998	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 21.5'	Total Depth of Well Completed: 30.0'
Static Depth of Water in Well: 18'	Well Screen Type and Diameter: 2" Diameter PVC Casing
Total Depth of Boring: 31.5'	Well Screen Slot Size: 0.020"
	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler

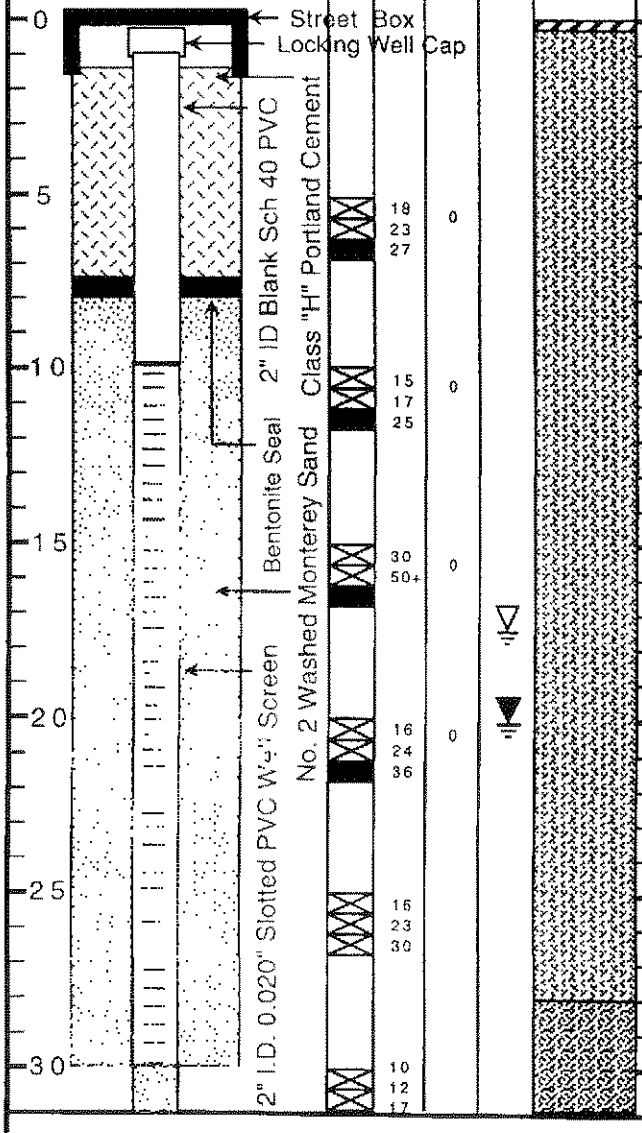


Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Silty SAND (SM); medium brown; medium dense; damp; 75% fine sand; 15% silt; 10% clay; low plasticity; medium estimated K; no odor
15	olive; slight hydrocarbon odor at 15'
20	wet at 21.5'
	Silty SAND (SP); yellow brown; medium dense; wet; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor
25	
30	

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well MW-3
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: V&W Drilling, Rio Vista, CA	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Greg Schramm	Date Drilled: December 7, 1998	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20.0'	Total Depth of Well Completed: 30.0'
Static Depth of Water in Well: 17.5'	Well Screen Type and Diameter: 2" Diameter PVC Casing
Total Depth of Boring: 31.5'	Well Screen Slot Size: 0.020"
	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler



Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Silty SAND (SM); yellow brown; medium dense; damp; 75% fine sand; 20% silt; 5% clay; low plasticity; medium estimated K; no odor
5	olive brown at 4'
10	yellow brown; 85% fine sand; 15% silt; trace clay at 10'
15	olive; slight hydrocarbon odor at 15'
20	wet at 20'
25	
30	Clayey SAND (SC); olive brown; medium dense; wet; 65-70% fine sand; 20-25% clay; 10% silt; medium plasticity; low estimated K; no odor

AQUA SCIENCE ENGINEERS, INC.

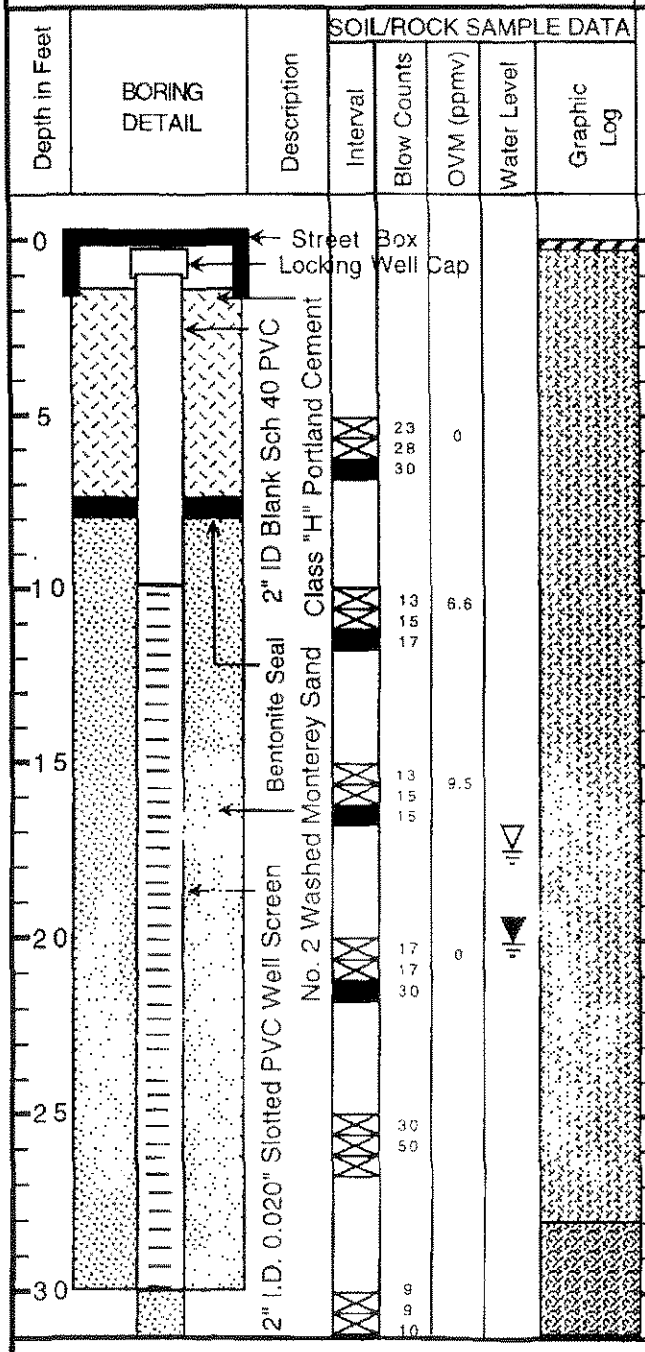
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

Well MW-4

Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: V&W Drilling, Rio Vista, CA	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Greg Schramm	Date Drilled: December 7, 1998	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA

Depth of Water First Encountered: 20.0'	Total Depth of Well Completed: 30.0'
	Well Screen Type and Diameter: 2" Diameter PVC Casing
Static Depth of Water in Well: 18'	Well Screen Slot Size: 0.020"
Total Depth of Boring: 31.5'	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler

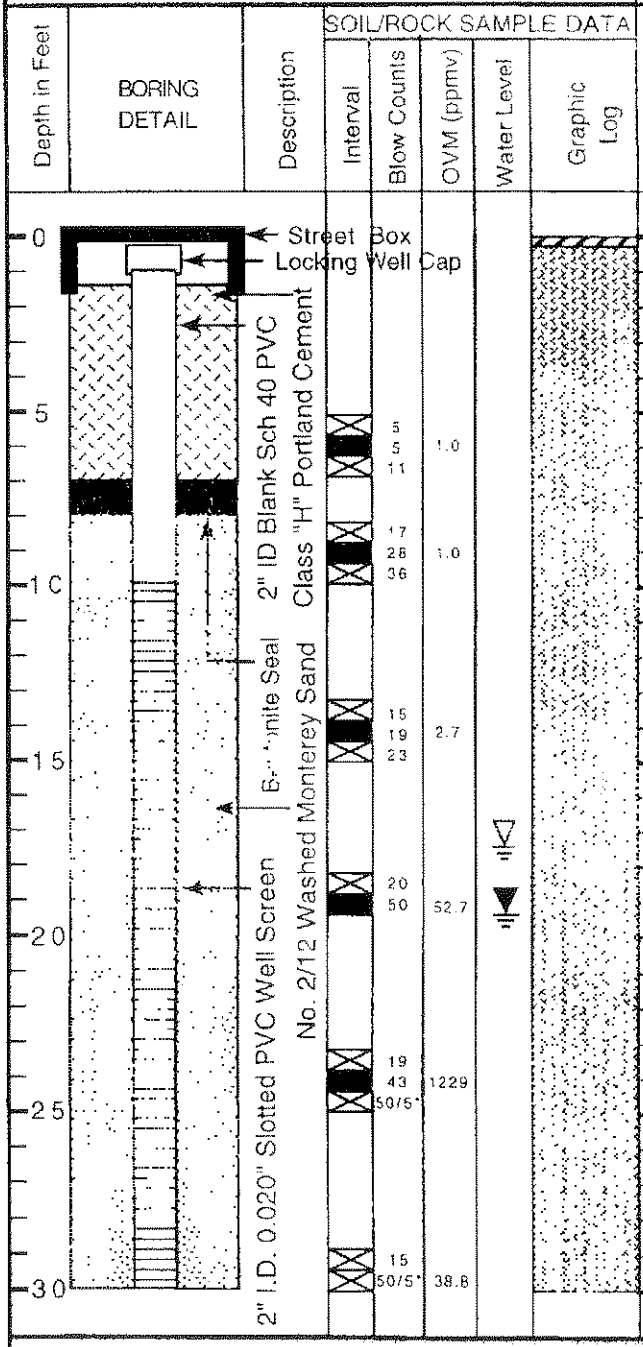


Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Silty SAND (SM); light brown; medium dense; damp; 75% fine sand; 20% silt; 5% clay; low plasticity; medium estimated K; no odor
10	olive brown mottled yellow brown at 10'
15	olive; 70% fine sand; 20% silt; 10% clay; slight hydrocarbon odor at 15'
20	wet; 75% fine sand; 20% silt; 5% clay; no odor at 20'
25	light brown; no odor at 25'
30	Clayey SAND (SC); light brown; medium dense; wet; 65-70% fine sand; 20-25% clay; 10% silt; medium plasticity; low estimated K; no odor

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well MW-5
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8" Diameter
Logged By: Erik Paddleford	Date Drilled: August 16, 2001	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 19.5'	Total Depth of Well Completed: 30.0'
	Well Screen Type and Diameter: 2" Diameter PVC Casing
Static Depth of Water in Well: 17.5'	Well Screen Slot Size: 0.020"
Total Depth of Boring: 30.0'	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler



DESCRIPTION OF LITHOLOGY	
standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.	
0	Asphalt
	Silty SAND (SM); light brown; medium dense; dry; 75% fine sand; 20% silt; 5% clay; low plasticity; medium estimated K; no odor
5	
	Olive; very dense; 85% fine sand; 10% silt; 5% fine sand; very low plasticity; slight hydrocarbon odor
10	
	Light brown; dense; non-plastic; no odor
15	
	Gray-green; very dense; wet
20	
25	
30	End of boring at 30'

AQUA SCIENCE ENGINEERS, INC.

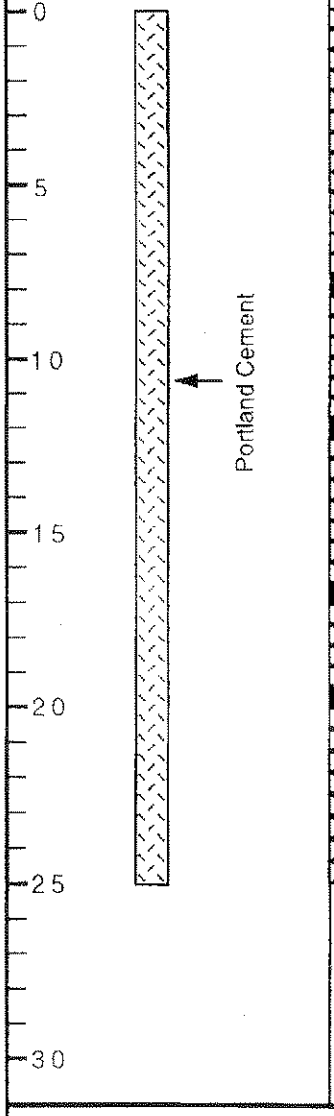
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

Boring: BH-A

Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: HSA	Size of Drill: 4.0" Diameter
Logged By: Erik H. Paddleford	Date Drilled: August 17, 2001	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA

Depth of Water First Encountered: 19'	Total Depth of Well Completed: NA
Static Depth of Water in Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 25'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler



SOIL/ROCK SAMPLE DATA

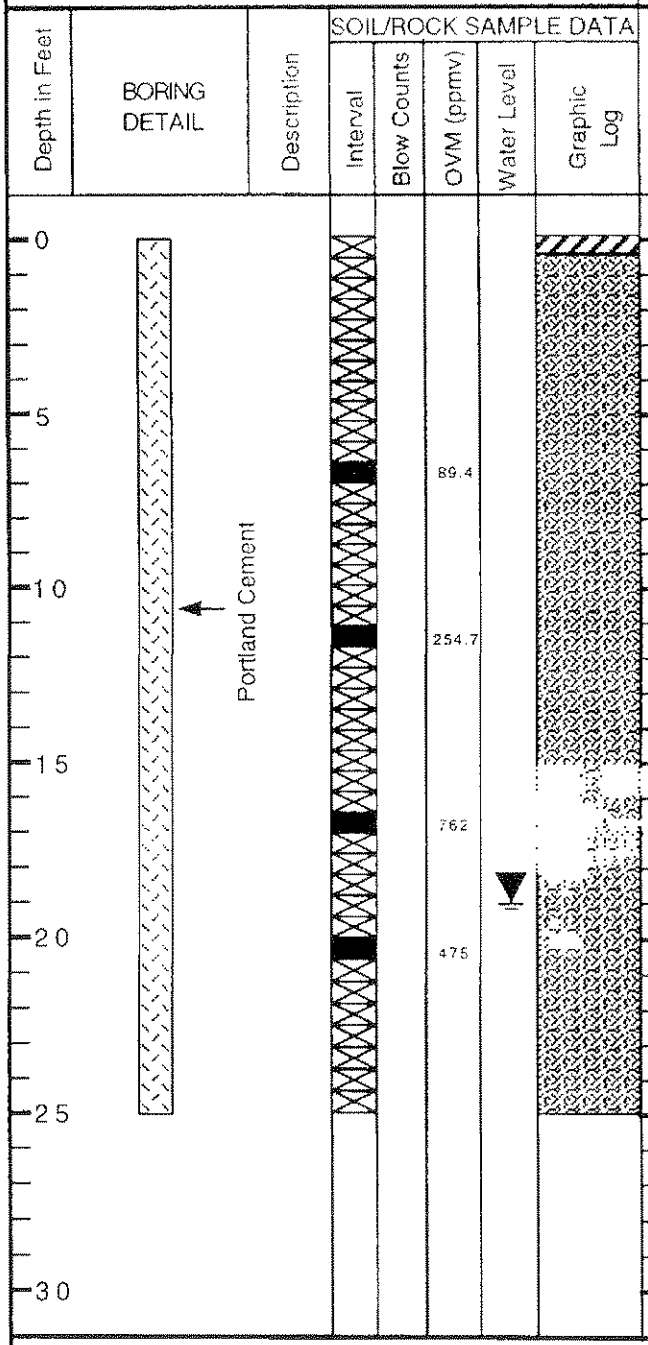
Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log
		1.0		
		1.5		
		2.7	▼	
		9.2		

Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Silty SAND (SM); yellow-brown; medium dense; damp; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor
5	
10	80% fine sand; 15% silt; trace clay
15	85% fine sand; 15% silt
20	Wet
25	End of Boring at 25'
30	

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Boring: BH-B
Project Name:Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: HSA	Size of Drill: 4.0" Diameter
Logged By: Erik H. Paddleford	Date Drilled: August 17, 2001	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 19'	Total Depth of Well Completed: NA
Static Depth of Water in Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 25'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler



Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Silty SAND (SM); brown; medium dense; damp; 75% fine sand; 20% silt; 5% clay; low plasticity; medium estimated K; no odor
5	Olive; 80% fine sand; 15% silt; 5% clay; trace clay
15	85% fine sand; 15% silt; trace clay
20	Wet
25	End of Boring at 25'
30	

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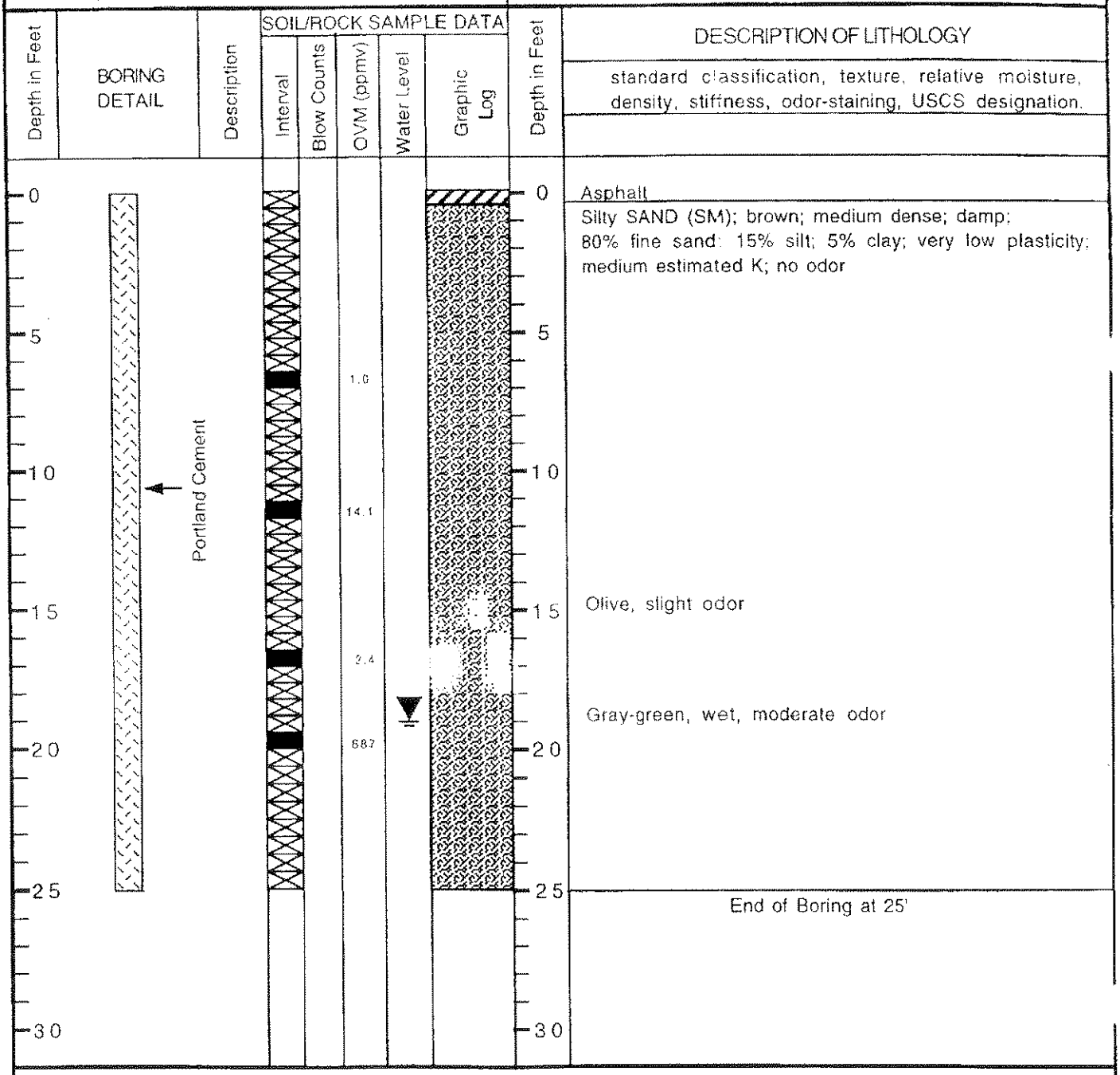
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Boring: BH-C
Project Name:Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: HSA	Size of Drill: 4.0" Diameter
Logged By: Erik H. Paddleford	Date Drilled: August 17, 2001	Checked By: Robert E. Kitay, R.G.

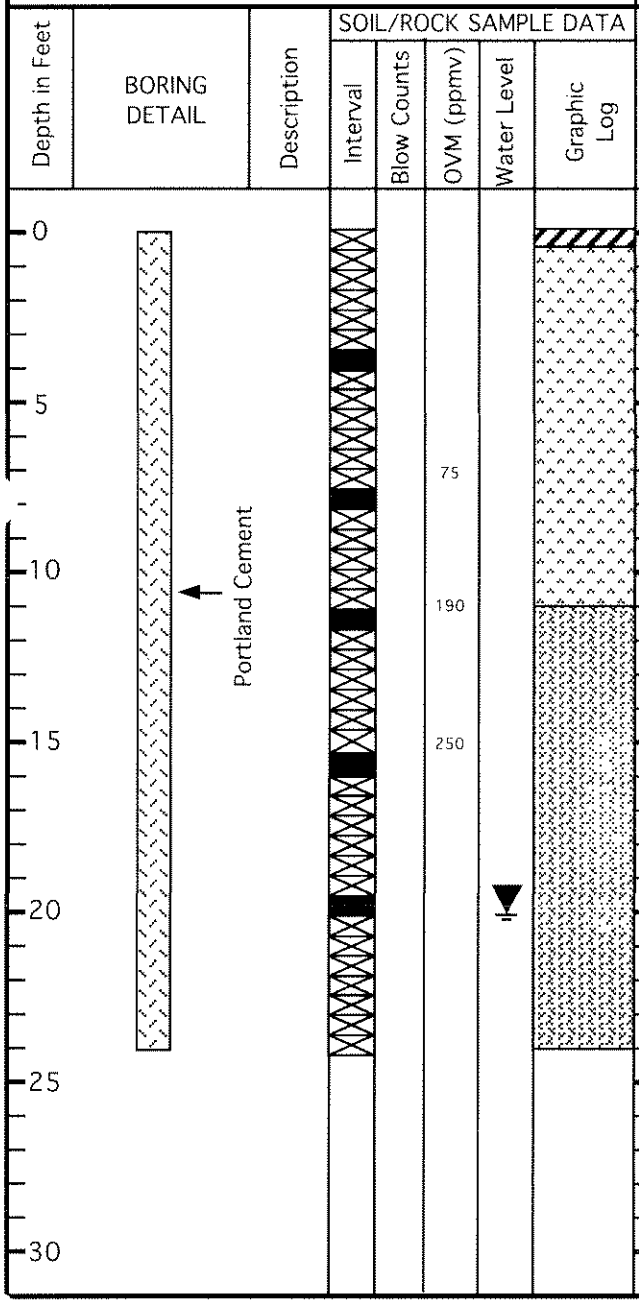
WATER AND WELL DATA	
Depth of Water First Encountered: 19'	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 25'	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler
	Total Depth of Well Completed: NA



AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Boring: BH-D
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter
Logged By: Robert E. Kitay, R.G.	Date Drilled: July 17, 2002	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
Static Depth of Water in Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 24'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler

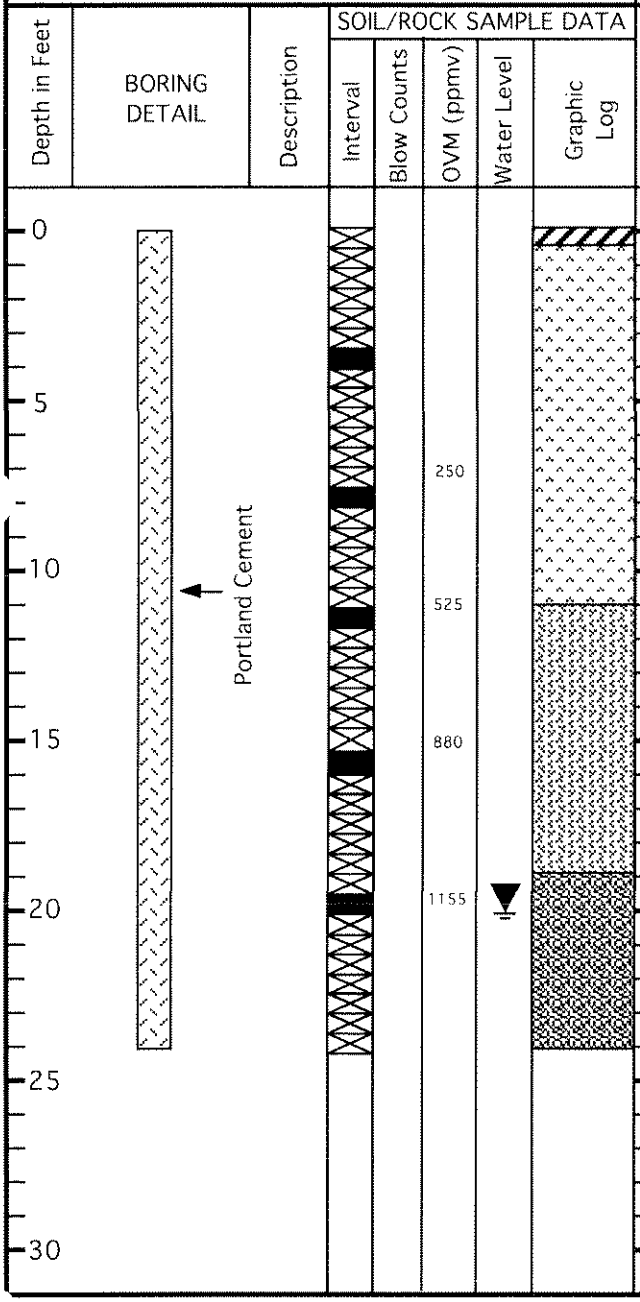


Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Gravelly SAND (SW); grey; medium dense; dry; 55-60% fine to medium sand; 30-35% gravel to 2" diamter; 10% silt; non-plastic; high estimated K; no odor (FILL)
10	
	Silty SAND (SM); olive; medium dense; damp; 80% fine sand; 20% silt; non-plastic; low estimated K, moderate hydrocarbon odor
20	wet at 20'
25	End of Boring at 24'

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Boring: BH-E
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter
Logged By: Robert E. Kitay, R.G.	Date Drilled: July 17, 2002	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
Static Depth of Water in Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 24'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler

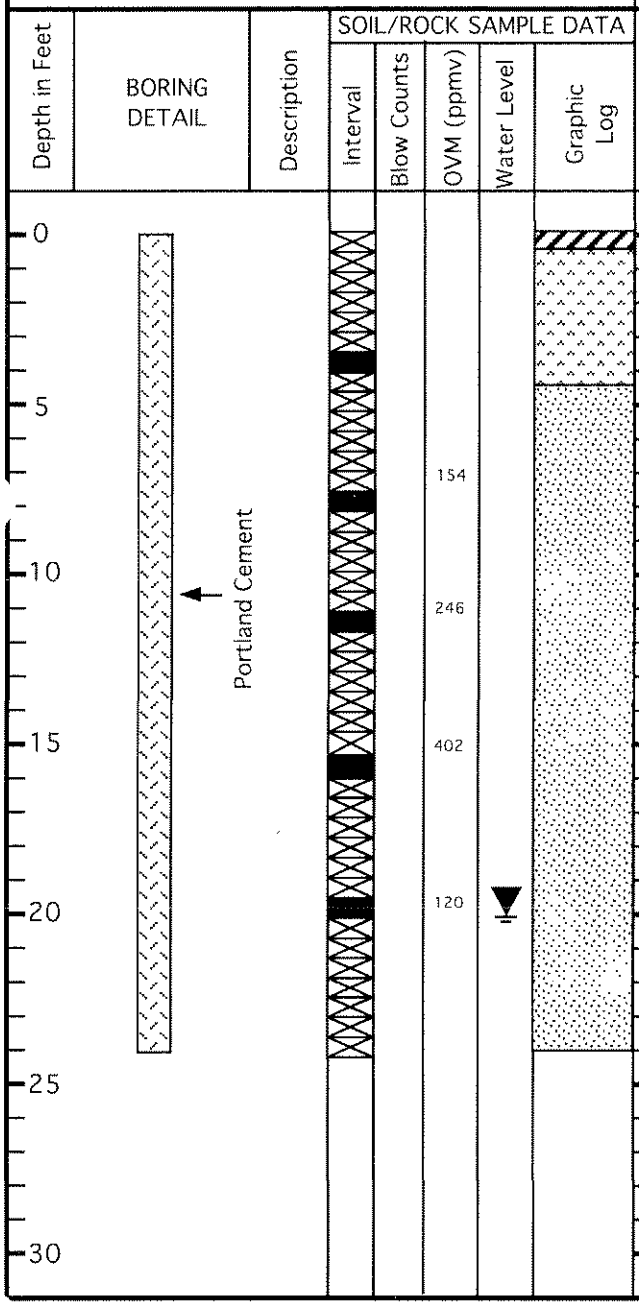


Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Gravelly SAND (SW); grey; medium dense; dry; 55% fine to medium sand; 35% gravel to 2" diamter; 10% silt; non-plastic; high estimated K; no odor (FILL)
10	
	Silty SAND (SM); brown; medium dense; damp; 80% fine sand; 20% silt; non-plastic; low estimated K, slight hydrocarbon odor olive; strong hydrocarbon odor
20	Clayey SAND (SC); olive; medium dense; moist; 90% fine sand; 10% clay; low plasticity; low estimated K, slight hydrocarbon odor
25	End of Boring at 24'
30	

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Boring: BH-F
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter
Logged By: Robert E. Kitay, R.G.	Date Drilled: July 17, 2002	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
Static Depth of Water in Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 24'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

0 — Asphalt

Gravelly SAND (SW); grey; medium dense; dry; 60% fine to medium sand; 30% gravel to 1" diamter; 10% silt; non-plastic; high estimated K; no odor (FILL)

5 — Silty SAND (SM); olive; medium dense; damp; 80% fine sand; 20% silt; non-plastic; low estimated K, slight hydrocarbon odor

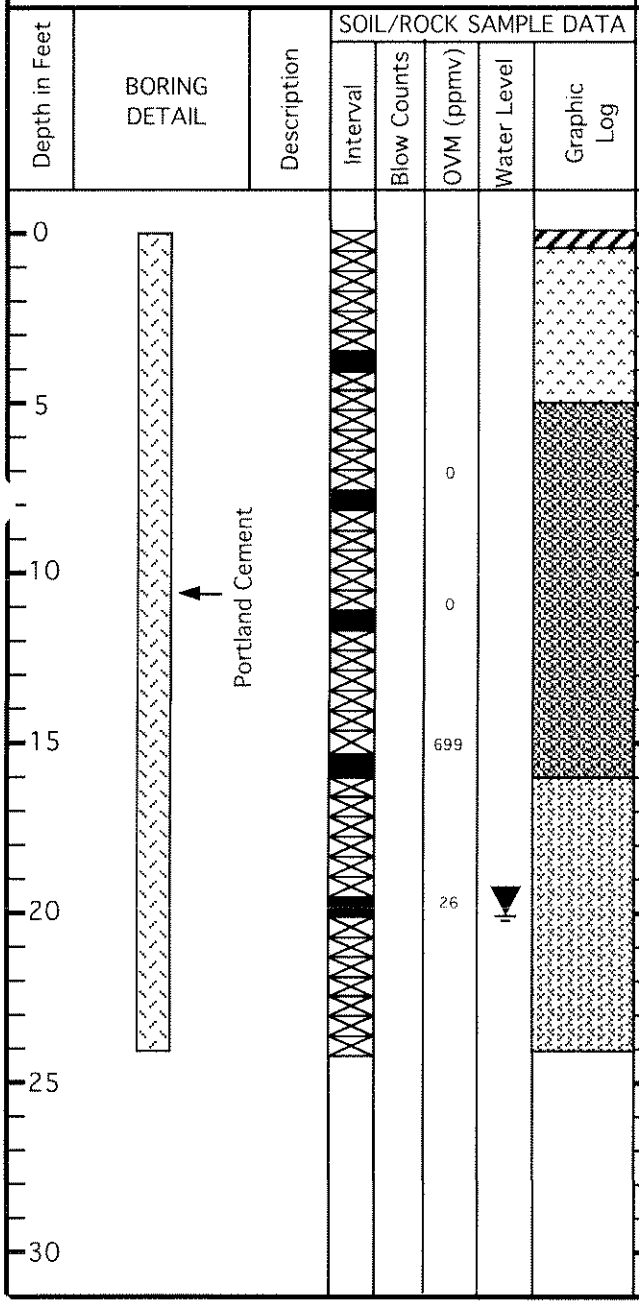
20 — wet at 20'

25 — End of Boring at 24'

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Boring: BH-G
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter
Logged By: Robert E. Kitay, R.G.	Date Drilled: July 17, 2002	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
Static Depth of Water in Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 24'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler

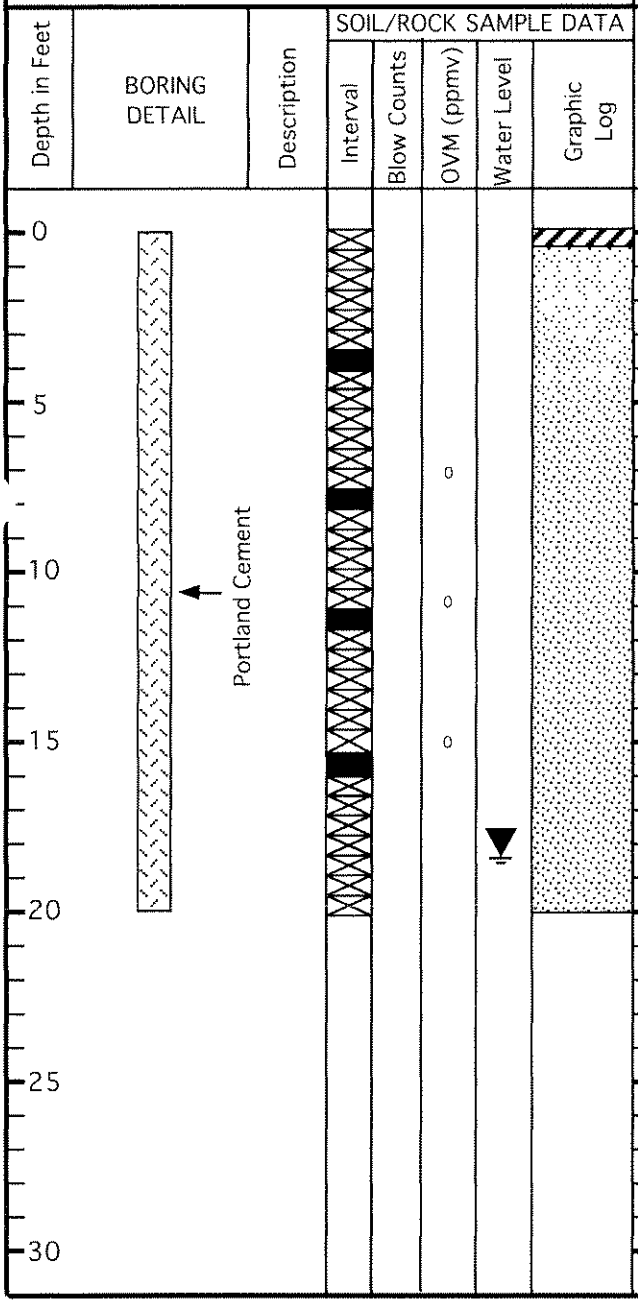


DESCRIPTION OF LITHOLOGY
standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
Asphalt
Gravelly SAND (SW); grey; dense; dry; 60% fine to medium sand; 30% gravel to 2" diamter; 10% silt; non-plastic; high estimated K; no odor (FILL)
Clayey SAND (SC); yellow brown; medium dense; damp; 70% fine sand; 30% clay; low plasticity; low estimated K, no odor
slight hydrocarbon odor at 14'
Silty SAND (SM); olive brown; medium dense; damp; 85-90% fine sand; 10-15% silt; non-plastic; low estimated K, slight hydrocarbon odor
End of Boring at 24'

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Boring: BH-H
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter
Logged By: Robert E. Kitay, R.G.	Date Drilled: July 17, 2002	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 18'	Total Depth of Well Completed: NA
	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 20'	Type and Size of Soil Sampler: 2.0" I.D. Macro Core Sampler

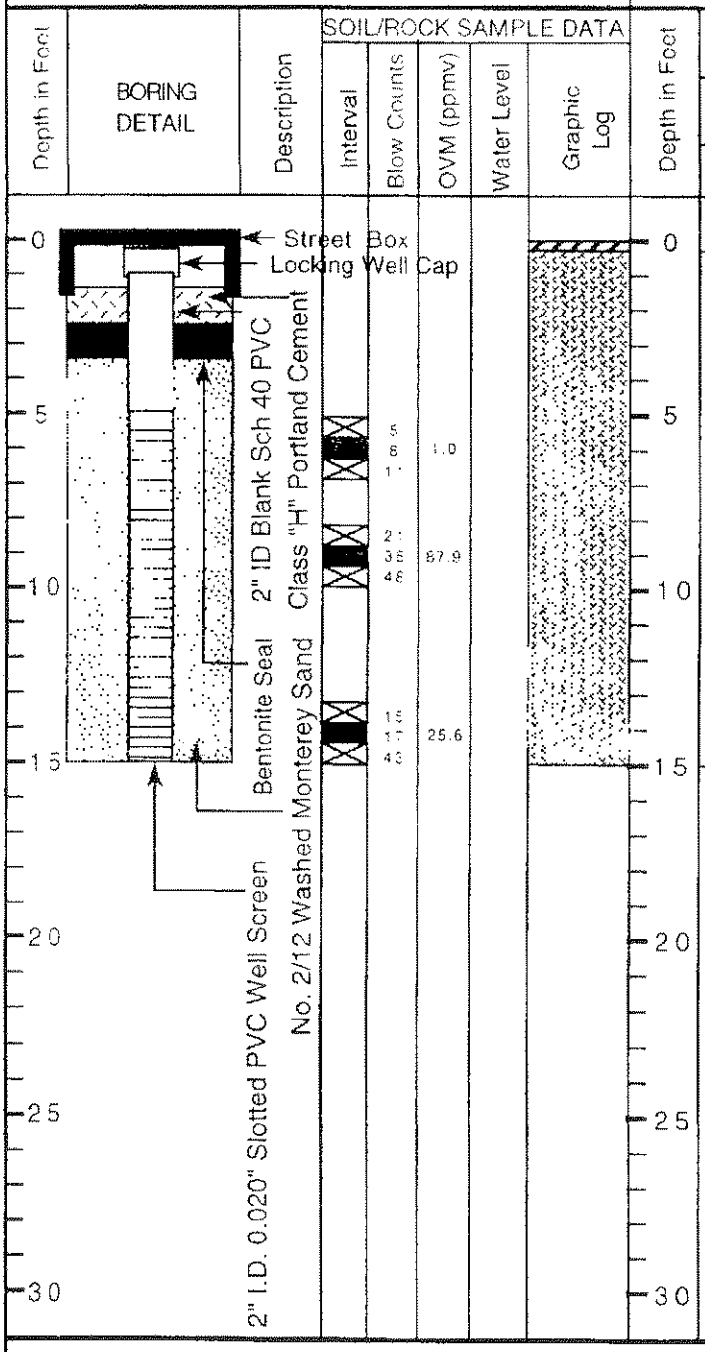


Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Asphalt
	Silty SAND (SM); brown; medium dense; damp; 80% fine sand; 20% silt; non-plastic; low estimated K, no odor
15	wet at 18'
20	End of Boring at 20'

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well VE-1
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8" Diameter
Logged By: Erik Paddleford	Date Drilled: August 16, 2001	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	Total Depth of Well Completed: 15.0'
Depth of Water First Encountered: NA	Well Screen Type and Diameter: 2" Diameter PVC Casing
Static Depth of Water in Well: NA	Well Screen Slot Size: 0.020"
Total Depth of Boring: 15.0'	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler

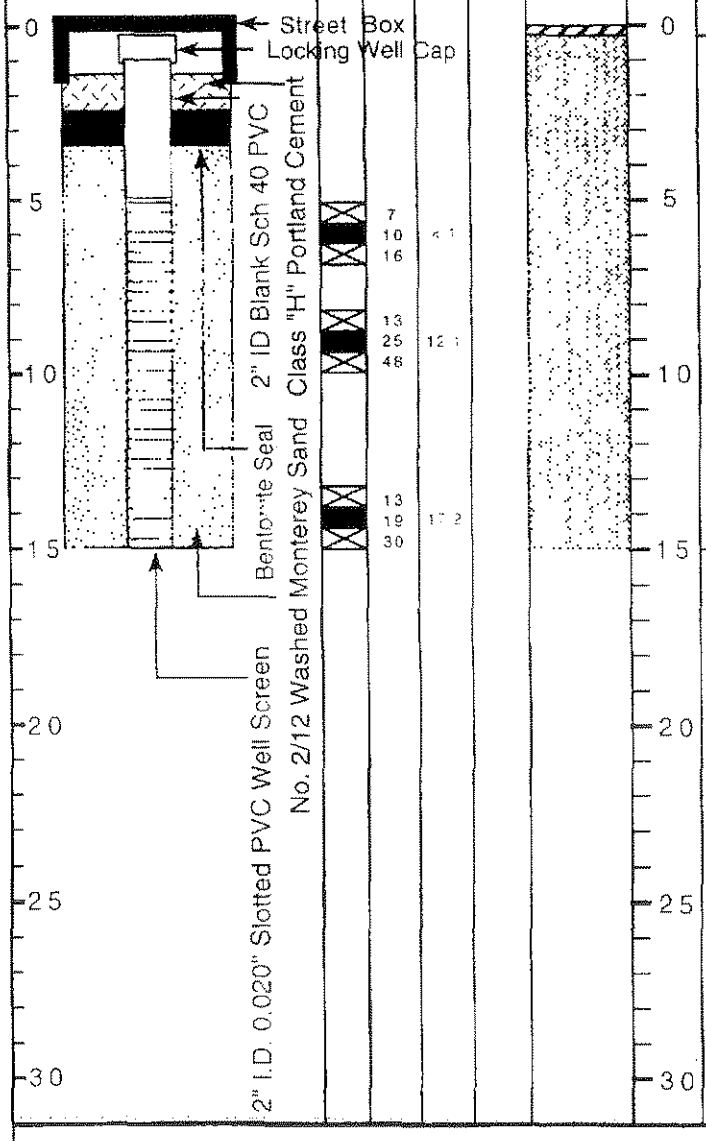


DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.	
Asphalt	0
Silty SAND (SM); brown; medium dense; dry; 75% fine sand; 20% silt; 5% clay; very low plasticity; medium estimated K; no odor	
80% fine sand; 15% silt; 5% clay; non-plastic	5
Very dense	10
Gray-green; 75% fine sand; 15% silt; 10% clay; very low plasticity; low estimated K; slight hydrocarbon odor	15
End of boring at 15'	

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well VE-2
[illegible] Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: [illegible] Drilling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8" Diameter
Logged By: Erik Paddleford	Date Drilled: August 16, 2001	Checked By: Robert E. Kitay, R.G.

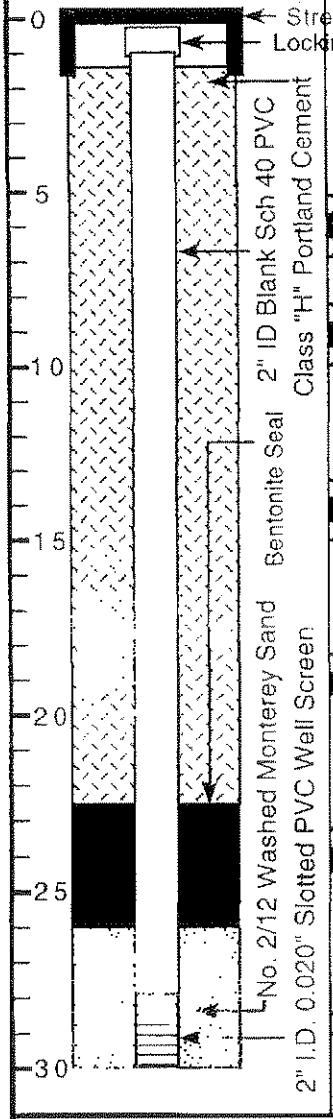
WATER AND WELL DATA	
Depth of Water First Encountered: NA	Total Depth of Well Completed: 15.0'
Static Depth of Water in Well: NA	Well Screen Type and Diameter: 2" Diameter PVC Casing
Total Depth of Boring: 15.0'	Well Screen Slot Size: 0.020"
	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler



DESCRIPTION OF LITHOLOGY
standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
Asphalt
Silty SAND (SM); brown; medium dense; dry; 80% fine sand; 15% silt; 5% clay; very low plasticity; medium estimated K; no odor
olive-gray
Very dense; slight hydrocarbon odor
End of boring at 15'

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well AS-1
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8" Diameter
Logged By: Erik Paddleford	Date Drilled: August 16, 2001	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 19.0'	Total Depth of Well Completed: 30.0'
Static Depth of Water in Well: NA	Well Screen Type and Diameter: 2" Diameter PVC Casing
Total Depth of Boring: 30.0'	Well Screen Slot Size: 0.020"
	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler

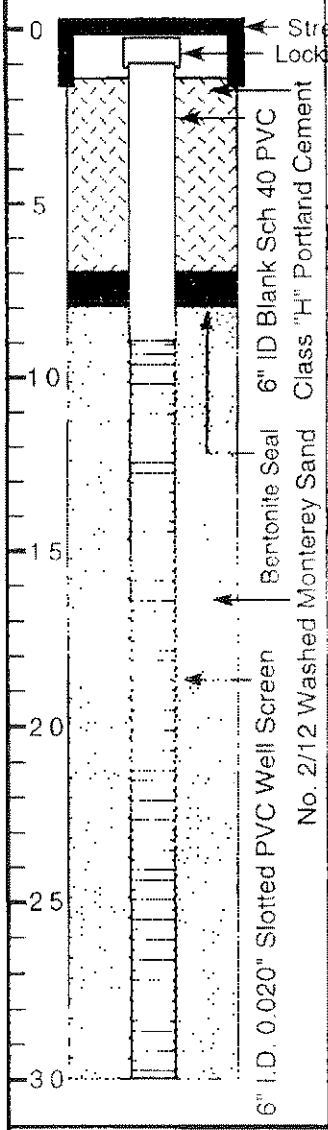


SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY
Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
					0	Asphalt
						Silty SAND (SM); light brown; medium dense; dry; 75% fine sand; 15% silt; 10% clay; trace gravel; low plasticity; medium estimated K; slight odor
	5 7 10	1224			5	Gray; 60% fine to medium sand; 20% clay; 20% silt; trace gravel; medium estimated K; non-plastic; strong hydrocarbon odor
						Brick and rock fragments noted at 7' by driller
	14 40 50/4"	720			10	Olive green to gray; very dense; 80% fine sand; 15% silt; 5% clay
	21 25 26	692			15	90% fine sand; 10% silt; moderate to strong hydrocarbon odor
	27 50/4"	610	▼		20	Wet
	27 50/5"	20.9			25	Slight hydrocarbon odor
	50	11.5			30	Brown

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well EW-1
Project Name: Chan Property	Project Location: 726 Harrison Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: Hollow-Stem Auger	Size of Drill: 12" Diameter
Logged By: Erik Paddleford	Date Drilled: August 17, 2001	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 19.0'	Total Depth of Well Completed: 30.0'
Static Depth of Water in Well: 17'	Well Screen Type and Diameter: 6" Diameter PVC Casing
Total Depth of Boring: 30.0'	Well Screen Slot Size: 0.020"
	Type and Size of Soil Sampler: 2.0" I.D. Split-Barrel Sampler



Depth in Feet	Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.)
0						0	Asphalt.
							Silty SAND (SM): gray-green; dense; damp; 75% fine sand; 15% silt; 10% clay; trace gravel; low plasticity; medium estimated K; moderate hydrocarbon odor
5		9 13 31	887			5	Very dense; strong hydrocarbon odor
		12 37 35	1200				
10						10	
		16 28 30	956				80% fine sand; 15% silt; 5% clay
15				▽		15	
		20 50	402	▼			Wet
20						20	
		19 50	145.5				Brown to gray; moderate odor
25						25	
		15 50	6.0				Slight odor
30						30	End of boring at 30'

AQUA SCIENCE ENGINEERS, INC.

706 HARRISON STREET
OAKLAND, CALIFORNIA

DENNIS BATES ASSOCIATES, INC.
MONITORING WELL/SOIL BORING LOG
[WELL CONSTRUCTION DETAILS]

ROJECT NAME: OAKLAND AUTO PARTS, 706 HARRISON STREET, OAKLAND
)A PROJECT: ENV1514N
)RING #: 1/ WELL ID: MW 1

LOGGED BY: GLEN WHITE REVIEWED BY: WALTER HOWE, R.G.

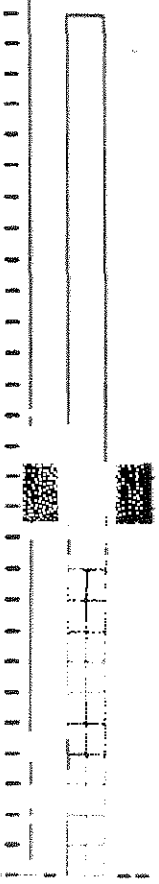
DEPTH	SAMPLE	BLOWS	USCS CODE	DESCRIPTION	WELL CONST
-0-					
-2-					
-4-		6			
	MW1/5	13	SM	SAND, SILTY, SLIGHTLY CLAYEY, GOLDISH	
-6-		21		BROWN, MOIST, FIRM, NO ODOR	
-8-					
		8			
-10-	MW1/10	10	SC	SAND, CLAYEY, SILTY, BLUE-GRAY, MOIST	
		11		FIRM, HEAVY 'OLD' HYDROCARBON ODOR	
-12-					
-14-		15			
	MW1/15	25	SM	SAND, SILTY, OLIVE GREEN, MOIST, FIRM	
-16-		27		HEAVY HYDROCARBON ODOR	
-18-					
		15			
-20-	MW1/20	24	SM	SAND, SILTY, SLIGHTLY CLAYEY, OLIVE	
		32		GREEN, MOIST, FIRM, SLIGHT ODOR	
-22-	▽			SATURATED AT 22 FEET (+/-)	
-24-					
			SM	SAND, SILTY - DARK BROWN - NO ODOR	
-26-					
-28-				EOB 28	
-30-					
-32-					
-34-					
-36-					
-38-					
-40-					

DENNIS BATES ASSOCIATES, INC.
MONITORING WELL/SOIL BORING LOG
[WELL CONSTRUCTION DETAILS]

PROJECT NAME: OAKLAND AUTO PARTS, 706 HARRISON STREET, OAKLAND
DBA PROJECT: ENV1514N
BORING #: 4/ WELL ID: MW 2

LOGGED BY: GLEN WHITE REVIEWED BY: WALTER HOWE, R.G.

DEPTH	SAMPLE	BLOWS	USCS CODE	DESCRIPTION	WELL CONST
-0-					
-2-					
-4-		9			
	MW2/5	12	SM	SAND, SILTY, SLIGHTLY CLAYEY, GOLDISH	
-6-		15		BROWN, MOIST, FIRM, NO ODOR	
-8-					
		11			
-10-	MW2/10	12	SM	SAND, SILTY, GOLDISH BROWN, MOIST,	
		12		FIRM, NO ODOR	
-12-					
-14-		11			
	MW2/15	14	SM	SAND, SILTY, GOLDISH BROWN, MOIST,	
-16-		23		FIRM, NO ODOR	
-18-					
	▽	9		SATURATED AT 19 FEET (+/-)	
-20-		10	SM	SAND, SILTY, BROWN, SOFT, WET	
		12		MODERATE GASOLINE ODOR	
-22-				NO SAMPLE COLLECTED, BELOW WATER	
-24-		10			
		22	SM	SAND, SILTY, BROWN, SOFT, WET	
-26-		19		SOME SHEEN ON SAMPLER, SLIGHT ODOR IN	
				SOIL	
-28-				EOB 28 FEET	
-30-					
-32-					
-34-					
-36-					
-38-					
-40-					

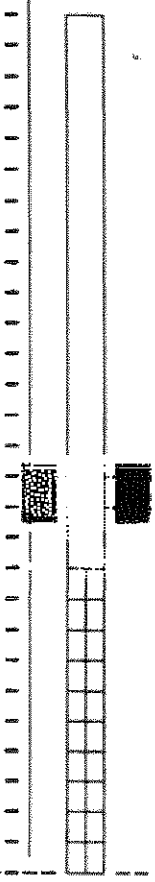


DENNIS BATES ASSOCIATES, INC.
MONITORING WELL/SOIL BORING LOG
[WELL CONSTRUCTION DETAILS]

PROJECT NAME: OAKLAND AUTO PARTS, 706 HARRISON STREET, OAKLAND
DBA PROJECT: ENV1514N
BORING #: 5/ WELL ID: MW 3

LOGGED BY: GLEN WHITE REVIEWED BY: WALTER HOWE, R.G.

DEPTH	SAMPLE	BLOWS	USCS CODE	DESCRIPTION	WELL CONST
-0-					
-2-					
-4-		7			
	MW3/5	16	SM	SAND, SILTY, GOLDISH BROWN, MOIST,	
-6-		20		FIRM, NO ODOR	
-8-					
		7			
-10-	MW3/10	11	SM	SAND, SILTY, GOLDISH BROWN, MOIST,	
		14		HARD, NO ODOR	
-12-					
-14-		24			
	MW3/15	30	SM	SAND, SILTY, GOLDISH BROWN, MOIST,	
-16-		44		HARD, NO ODOR	
-18-					
		7			
-20-	MW3/20	16	SM	SAND, SILTY, BROWN, FIRM, MOIST, NO ODOR	
		23		SATURATED AT 21 FEET (+/-)	
-22-				NO SAMPLE COLLECTED, BELOW WATER	
-24-		14			
		22	SM	SAND, SILTY, BROWN WITH SOME RUST	
-26-		44		SOFT, WET, NO ODOR	
				SOIL	
-28-				EOB 28 FEET	
-30-					
-32-					
-34-					
-36-					
-38-					
-40-					



DRILLING LOG

Client: Mr. Bo K. Gin

Project No: 23116 Phase Task 001

Well ID MW-4 Boring ID SB-A

Location 706 Harrison Street Oakland, CA

Surface Elev. N/A ft. Page 1 of 1

Depth Feet	Blow Count	Sample Interval	Lithologic Description
0			Ground Surface
			Silty SAND(SM);Brown; loose; damp; 20% silt, 80% fine to medium sand; moderate estimated hydraulic conductivity.
5	6 15 30		2% gravel and dense.
10	15 27 27		Occasional black manganese oxide blems.
15	20 42 50		SAND;(SW-SM); grayish green; moist; 10% silt, 90% very fine to moderate sand; possible presence of solvent.
20	20 50 50		
25	33		
30	25 33 40		Sandy CLAY (CL);Light brown; very stiff; moist; 70% clay, 30% fine to very fine sand; low to medium plasticity; low estimated hydraulic conductivity.
35			

TPHg (ppm)	Graphic Log	Well Construction Graphics	Depth Feet	Well Construction Details
				T.O.C. Elev. 31.18
			0	Locking cap with traffic rated vault
			5	
nd			10	
nd			15	▽: 1st water
			20	
nd			25	
			30	Bottom of well
			35	

Driller Soils Exploration

Logged By David Elias

Drilling Started 11/28/94

Drilling Completed 11/28/94

Construction Completed 11/28/94

Development Completed 12/16/94

Water Bearing Zones 17.5 to 31.5 ft

Development Yield N/A

Well Casing 2" Dia. 0' to 9.5'

Casing Type Schedule 40 PVC

Well Screen 2" Dia. 9.5' to 29.5'

Screen Type Schedule 40 PVC

Slot Size 0.010-inch

Drilling Mud N/A

Grout Type Portland Type I-II

Bentonite Seal 6.5 to 8.5 ft

Sand Pack Monterey sand

Sand Pack Type #2/12

Static Water Level 17.50 ft Depth

Date N/A

Notes: Northeast end of lot

Cambria Environmental Technology, Inc.

DRILLING LOG

Client: **Mr. Bo K. Gin**

Project No: **23116** Phase Task **001**

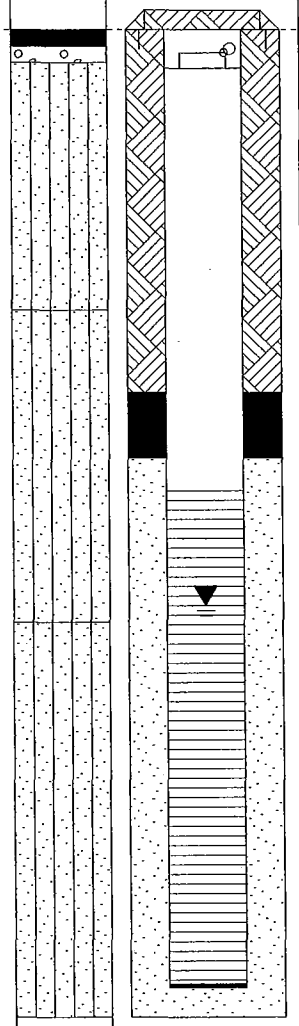
Well ID **MW-5** Boring ID **SB-F**

Location **706 Harrison Street Oakland, CA**

Surface Elev. **N/A ft,** Page **1** of **1**

Depth Feet	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			
				Asphalt / **Concrete**
				Silty SAND (SM);Reddish brown; damp; 20% silt, 80% sand ; high estimated hydraulic conductivity. No hydrocarbon odor.
10				**Silty to Clayey SAND**(SM); reddish brown; damp; 3% clay, 32% silt, 65% sand; low to moderate estimated hydraulic conductivity.
20				**Silty Sand**(SM); brown, damp to moist; 20% silt, 80% sand, moderate estimated hydraulic conductivity.
35				

TPHg (ppm)	Graphic Log	Well Construction Graphics	Depth Feet	Well Construction Details
			0	T.O.C. Elev. 28.04
				Locking cap with traffic rated vault
nd			30	Bottom of well



Driller	**Soils Exploration**	Development Yield	**N/A**	Bentonite Seal	**11 to 13 ft**
Logged By	**David Elias**	Well Casing	**2"** Dia. **0'** to **14.5'**	Sand Pack	**Monterey sand**
Drilling Started	**11/30/94**	Casing Type	**Schedule 40 PVC**	Sand Pack Type	**#1/20**
Drilling Completed	**11/30/94**	Well Screen	**2"** Dia. **14.5'** to **29.0'**	Static Water Level	**17.50** ft Depth
Construction Completed	**11/30/94**	Screen Type	**Schedule 40 PVC**	Date	**N/A**
Development Completed	**12/16/94**	Slot Size	**0.010-inch**	Notes:	**7th Street west of Harrison**
Water Bearing Zones	**17.5 to 30.0 ft**	Drilling Mud	**N/A**		
		Grout Type	**Portland Type I-II**		

Cambria Environmental Technology, Inc.

DRILLING LOG

Mr. Bo K. Gin

Phase

MW-6

SB-G

706 Harrison Street, Oakland, CA

1

surface

0

SAND

5

Sandy to Silty CLAY

10

Silty SAND to Sandy SILT

green

10

15

Silty SAND (SM)

nd

15

20

Sandy SILT (SM)

25

Bottom of well

30

40 PVC

M

nd

#1

12-?-94

17.20

12-?-94

PVC

N/A

12-16-94

Harrison Street south of

Cambria Environmental Technology, Inc.

DRILLING LOG

Client: Mr. Bo K. Gin

Project No: 23116 Phase Task 001

Well ID MW-7 Boring ID SB-H

Location 706 Harrison Street Oakland, CA

Surface Elev N/A ft. Page 1 of 1

Depth Feet	Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Well Construction Graphics	Depth Feet	Well Construction Details
0			Ground Surface				0	T.O.C. Elev. 29.67
			Asphalt / Rock / Concrete					Locking cap with traffic rated vault
5			Silty SAND (SM); Light brown; damp; 30% silt, 70% sand; moderate estimated hydraulic conductivity.				5	
			Sandy SILT (ML); Brown; damp; 55% silt, 45% very fine to medium sand; non-plastic; moderate estimated hydraulic conductivity. No hydrocarbon odor.					
10			Silt increasing to 65%, very fine to fine sand to 35%, color change to gray.				10	
15	10 25 19		Silty SAND; (SM); Grey; 20% silt, 80% sand; moderate estimated hydraulic conductivity. No hydrocarbon odor.	nd			15	
	27 50		40% silt, 60% sand, wet.	nd				
20	10 29 42						20	
			SAND; (SW); brown; 3% silt, 97% very fine to fine sand; high estimated hydraulic conductivity; no hydrocarbon odor.					
25	22 36 46			nd			25	
30							30	Bottom of well
35							35	

Drilling Started 12/2/94

Drilling Completed 12/2/94

Construction Completed 12/2/94

Development Completed 12/16/94

Water Bearing Zones

Casing 2" Dia. 0' to 13'

Casing Type Schedule 40 PVC

Well Screen to 28'

Screen Type PVC

Slot Size

Drilling Mud N/A

Grout Type

Bentonite

Sand Pack

Sand Pack Type #1/20

Static Water Level ft Depth

Date N/A

Notes: Harrison Street north of 7th Street.

Cambria Environmental Technology, Inc.

Page 1

EXPLORATORY BORING LOG

PROJECT NAME : Oakland Auto Parts
PROJECT NUMBER : 1514 N
LOGGED BY: Glen White
BORING: VW1
DATE: 7/22/93

DEPTH	DTW	SAMP #	OVA	USC	SOIL DESCRIPTION
1					Fill material
10					Odor in cuttings - fill material
17		VW1-17		SM	Sand, silty, Olive green-gray, soft, moist, strong gasoline odor.
20					E.O.B. at 20'

Page 1

EXPLORATORY BORING LOG

PROJECT NAME : Oakland Auto Parts
PROJECT NUMBER : 1514 N
LOGGED BY: Glen White
BORING: VW2
DATE: 7/22/93

DEPTH	DTW	SAMP #	OVA	USC	SOIL DESCRIPTION
1					Fill material
10					odor encountered, slight hydrocarbon
17		VW2-17			Sandy Silty, olive green, moist, soft, strong gasoline odor
20					E.O.B. @ 20'

DRILLING LOG

Client: Mr. Bo K. Gin

Project No: 23116 Phase Task 001

Well ID VW-3 Boring ID SB-C

Location 706 Harrison Street Oakland, CA

Surface Elev. N/A ft. Page 1 of 1

Depth Feet	Blow Count	Sample Interval	Lithologic Description
0			Ground Surface
			Clayey SAND (SC); Dark gray fill material; damp; 20% clay, 10% silt; 60% medium to very coarse sand, 10% gravel; low estimated hydraulic conductivity.
5	12 18 25		[illegible] brown; [illegible]; 40% silt, 60% fine sand; [illegible] estimated hydraulic conductivity; no hydrocarbon odor.
10	27 33 35		20% silt, 80% fine to medium sand; very dense.
15	12 30 [illegible]		Gray, 90% fine to medium sand; moist; strong hydrocarbon odor.
	19 [illegible]		
20	18 22 [illegible]		Brown.
25	20 36 50		Mild hydrocarbon odor.
			Moist to wet.
30			
35			

TPHg (ppm)	Graphic Log	Well Construction Graphics	Depth Feet	Well Construction Details
				T.O.C. Elev. N/A
			0	
				Locking well caps with trafffic rated vault.
			5	
410			10	
			15	
14,000				Bottom of 2" well.
			20	→ bentonite
nd				→ 1" air
			25	
				Bottom of 1" well.
			30	
			35	

Soils Exploration

Logged By David Elias

Drilling Started 11/28/94

Drilling Completed 11/28/94

Construction Completed 11/28/94

Development Completed N/A

Water Bearing Zones 18.2 to 29.5 ft

Development Yield N/A

Well Casing 2"/ 1" Dia. 0'/ 0' to 8'/ 27'

Casing Type Schedule 40 PVC

Well Screen 2" Dia. 8' to 18'

Screen Type Schedule 40 PVC

Slot Size 0.010-inch

Drilling Mud N/A

Grout Type Portland Type I-II

Bentonite Seal 5 to 6 and 23.5 to 25

Sand Pack Monterey sand

Sand Pack Type #1/20

Static Water Level 18.20 ft Depth

Date N/A

Notes: Located west side of lot near multiple tank excavation.

Cambria Environmental Technology, Inc.

DRILLIN[illegible]

By K. Gin

MW-4

SB-D

[illegible] Harris[illegible] Street Oakland, CA

N A [illegible]

1

0 Ground surface

5

Silty SAND [illegible]

10

<1

[illegible] clay.

15

<1

Clayey to Silty SAND [illegible]

SAND [illegible]

20

Silty SAND [illegible]

25

[illegible] of boring

[illegible] Exploration

N/A

[illegible] and [illegible] to 28.5

Monterey sand

Schedule 40 PVC

#2 12

[illegible] 94

18.00

Schedule 40 PVC

N A

[illegible] 28.94

N/A

Located

18.0 to 28.5

Cambria Environmental Technology, Inc.

DRILLING LOG

VW ... SB-E

706 ... Street Oakland, CA

1

...ing Surface

5

11

Silty SAND ...

10

nd

...ocarbon odor, 1% clay.

15

nd

Clayey to Silty SAND ...

20

44

50

SAND ...

25

30

Bottom of boring

.34

N/A

Schedule 40 PVC

Monterey st

#2/12

0.020

Located south ...

Cambria Environmental Technology, Inc.

K. Gi

SB-B

1 of 1

Additional Comments

0 Ground Surface

10

Reddish brown mottled gray

15

SAND

Wet with no odor.

Bottom of boring

Cambria Environmental Technology, Inc.

BORING LOG

Client: Mr. Bo K. Gin

Project No: 23116 Phase Task 001

Boring ID SB-I

Location 706 Harrison Street Oakland, CA

Surface Elev. N/A ft, Page 1 of 1

Depth Feet	Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
0							0	
5	12 10 5		**Clayey to Silty SAND** (SM);Dark gray fill; medium dense; dry to damp; 5% clay, 35% silt, 60% medium to very coarse sand; low estimated hydraulic conductivity.				5	
10	4 11 20		Sandy SILT (ML); Brown mottled grey; stiff; 60% silt, 40% very fine to fine sand; non-plastic; moderate estimated hydraulic conductivity; moderate hydrocarbon odor.	nd			10	
15	12 50		**SAND** (SW);Gray; very dense; damp; 4% silt, 96% fine sand; high estimated hydraulic conductivity; strong hydrocarbon odor.	1,200			15	
20	17 44 50						20	
25	32 50			4			25	Bottom of boring
30							30	
35							35	

Driller Soils Exploration

Logged By David Elias

Water-Bearing Zones

Drilling Started 12/2/94

Drilling Completed 12/2/94

Grout Type Portland Type I-II

Notes: Southwest end of lot near MW-1

Cambria Environmental Technology, Inc.

FIRST QUARTER 2009
GROUNDWATER ELEVATION
CONTOUR MAPS

800 HARRISON STREET
OAKLAND, CALIFORNIA

LEGEND

MW-8 ⊕ Monitoring Well with Groundwater Elevation (feet)

MW-7 Ⓐ Former Arco Monitoring Well

VW/SP-5 ⊕ Former Arco Dual SVE/Sparging Well

VW-2 ⊕ Former Arco SVE Well Location

14.00 —— Groundwater Elevation Contour

General Direction of Groundwater Flow

N

FORMER UNOCAL STATION

MW-6 8.52

MW-7 9.05

10.00

12.00

14.00

HARRISON STREET

FORMER USTs

VW-1 NA

VW-2 NA

VW/SP-5 NA

VW/SP-4 NA

VW/SP-3 NA

MW-1 8.33

MW-2 9.33

FORMER DISPENSER ISLANDS

MW-4 9.49

FORMER USTs

MW-7 13.30

MW-8 13.35

MW-5 8.53

7TH STREET

FORMER ARCO STATION BUILDING 706 HARRISON STREET

MW-3 9.29

FORMER WASTE OIL TANK

FORMER SHELL SERVICE STATION 726 HARRISON STREET

8TH STREET

MW-5 13.70

DISPENSER ISLANDS

MW-6 13.70

MW-3 13.60

MW-2 14.22

FORMER USTs

DISPENSER ISLAND

USTs

MW-4 13.91

MW-1 13.95

FORMER WASTE OIL TANK

STATION BUILDING

SCALE (FEET)

0 30

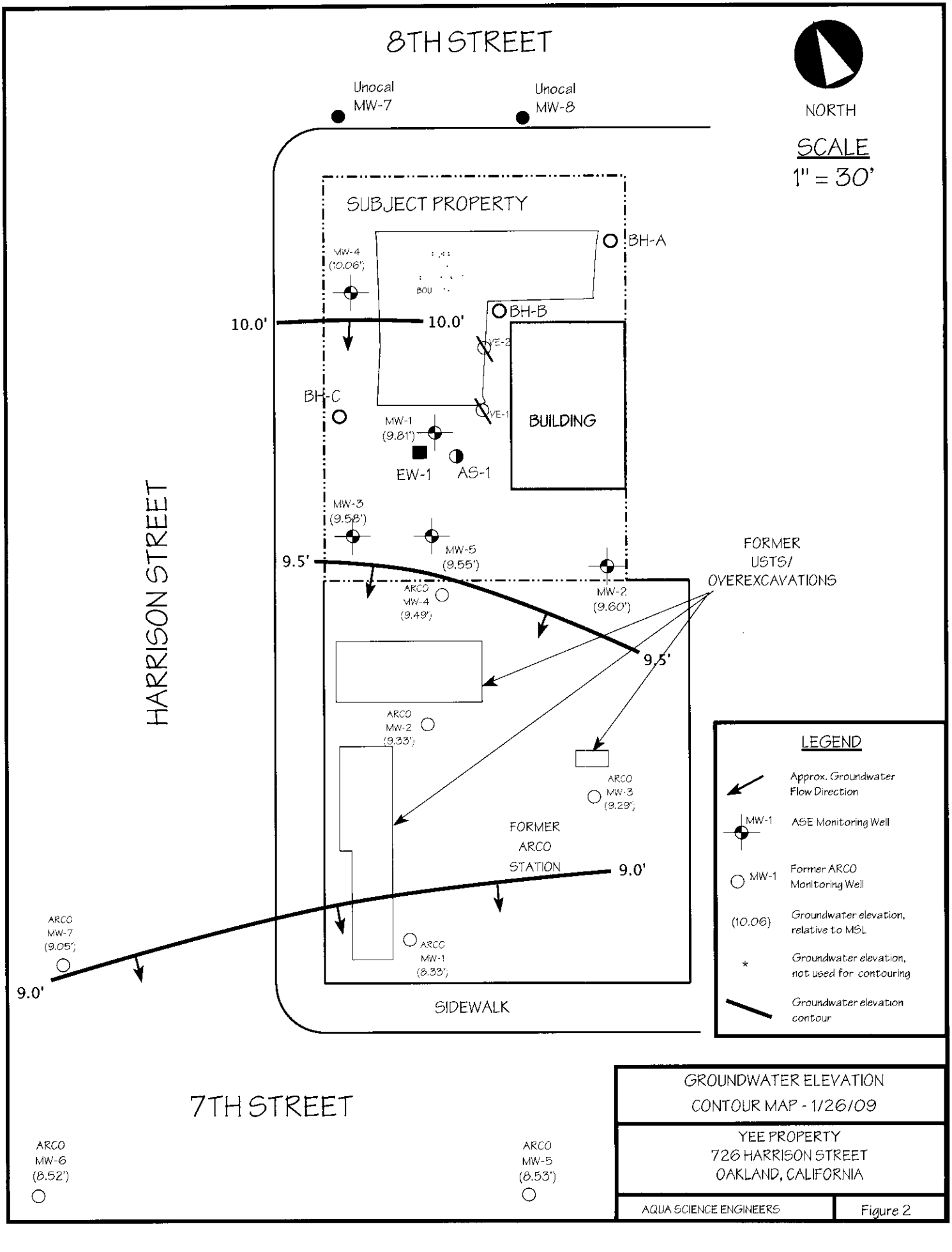
NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NA = not analyzed, measured, or collected. UST = underground storage tank. Former Arco data provided by CRA.

PROJECT:	165521
FACILITY:	76 STATION 0752 800 HARRISON STREET OAKLAND, CALIFORNIA
GROUNDWATER ELEVATION CONTOUR MAP January 26, 2009	
TRC	**FIGURE 2**

ME=1:1 0752-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0752+\0752qms1\a17(NEW).dwg Mar 04, 2009 - 5:15pm anantos

726 HARRISON STREET
OAKLAND, CALIFORNIA



GROUNDWATER ELEVATION CONTOUR MAP - 1/26/09

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2

706 HARRISON STREET
OAKLAND, CALIFORNIA

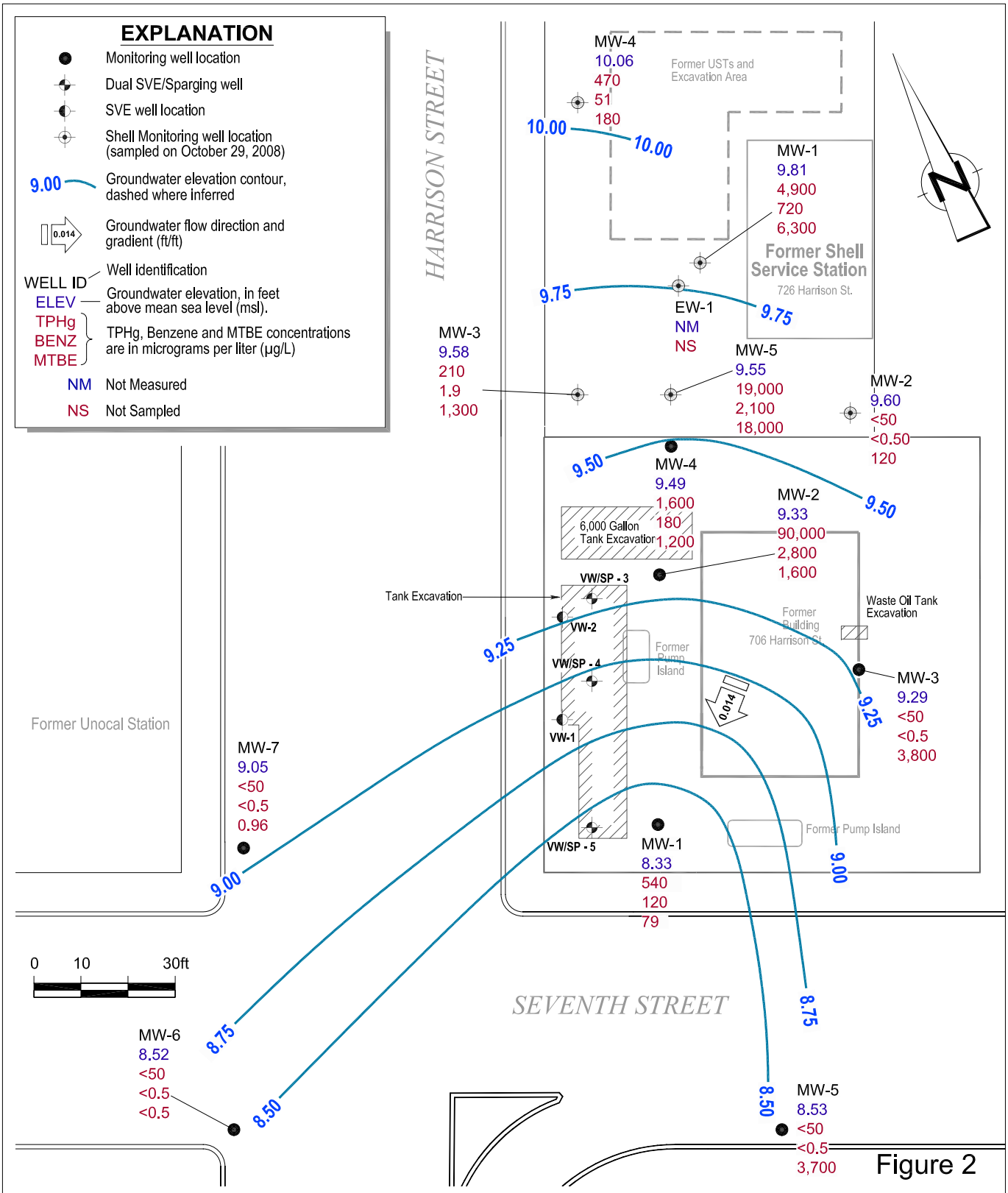


Figure 2

GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON CONCENTRATION MAP
FORMER ARCO STATION
706 HARRISON STREET
Oakland, California
January 26, 2008

I:\IR\231116\231116-FIGURES\231116-002_1Q09-HCGW.DWG

HISTORICAL SOIL TABLES

800 HARRISON STREET
OAKLAND, CALIFORNIA

KEI-P90-1103.R8
April 1, 1994

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
5/29/91	EB1(55)	--	ND	ND	ND	ND	ND
	EB1(10)	--	ND	ND	ND	ND	ND
	EB1(15)	--	ND	0.0087	ND	ND	ND
	EB1(20)	--	ND	ND	ND	ND	ND
	EB1(22)	--	ND	ND	ND	ND	ND
	EB2(5.5)	--	ND	ND	ND	ND	ND
	EB2(10)	--	ND	ND	ND	ND	ND
	EB2(15)	--	ND	ND	ND	ND	ND
	EB2(20)	--	ND	ND	ND	ND	ND
	EB2(22.5)	--	ND	ND	ND	ND	ND
3/17/94 & 3/18/94	EB3(5)	--	ND	ND	ND	ND	ND
	EB3(9.5)	--	ND	ND	ND	ND	ND
	EB3(14.5)	--	ND	ND	ND	ND	ND
	EB3(19.5)	--	ND	ND	ND	ND	ND
	EB4(5)	--	ND	ND	ND	ND	ND
	EB4(9.5)	--	ND	ND	ND	ND	ND
	EB4(14.5)	--	ND	ND	ND	ND	ND
	EB4(19)	--	ND	ND	ND	ND	ND
	EB5(5)	--	ND	ND	ND	ND	ND
	EB5(10)	--	ND	ND	ND	ND	ND
	EB5(15)	--	ND	ND	ND	ND	ND
	EB5(19)	--	310*	0.71	2.4	1.3	2.2
	EB6(4.5)	--	ND	ND	ND	ND	ND
	EB6(9.5)	--	ND	ND	ND	ND	ND
	EB6(14.5)	--	ND	ND	ND	ND	ND
	EB6(19.5)	--	ND	ND	ND	ND	ND
	EB7(5)	--	ND	ND	ND	ND	ND
	EB7(10)	--	ND	ND	ND	ND	ND
	EB7(15)	--	ND	ND	ND	ND	ND
	EB7(19)	--	ND	ND	ND	ND	ND
	EB8(5)	--	ND	ND	ND	ND	ND
	EB8(10)	--	ND	ND	ND	ND	ND
	EB8(15)	--	ND	ND	ND	ND	ND
	EB8(18.5)	--	21,000	7.0	78	26	140

KEI-P90-1103.R8
April 1, 1994

TABLE 1 (Continued)

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
3/17/94	EB9(5.5)	ND	1.6	ND	0.040	ND	0.99
&	EB9(10)	ND	ND	ND	ND	ND	ND
3/18/94	EB9(15)	ND	ND	ND	ND	ND	ND
(Con't)	EB9(20)	ND	ND	ND	ND	ND	ND
	EB10(5)	--	ND	ND	ND	ND	ND
	EB10(10)	--	ND	ND	ND	ND	ND
	EB10(15)	--	ND	ND	ND	ND	ND
	EB10(20)	--	ND	ND	ND	ND	ND
	EB11(5)	ND	1.8*	ND	0.0091	ND	0.0088
	EB11(6)	19♦	3.6**	ND	ND	ND	ND
	EB11(10)	ND	ND	ND	ND	ND	ND
	EB12(5)	ND	ND	ND	ND	ND	ND
	EB12(10.5)	ND	ND	ND	ND	ND	ND

NOTE: The soil samples were collected at the depths below grade indicated in the ( ) of the respective sample number.

* Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

** Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

♦ Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

KEI-P90-1103.R8
April 1, 1994

TABLE 2

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TOG	TPH as Hydraulic Fluid	Tetrachloro-ethene* (µg/kg)	1,1,1-tri-chloroethane* (µg/kg)
3/17/94	EB9(5.5)	ND	ND	ND	ND
&	EB9(10)	ND	ND	ND	ND
3/18/94	EB9(15)	ND	ND	ND	ND
	EB9(20)	ND	ND	ND	ND
	EB11(5)	13,000	4,300	130	46
	EB11(6)	4,300	270	ND	ND
	EB11(10)	88	ND	ND	ND
	EB12(5)	ND	ND	ND	ND
	EB12(10.5)	ND	ND	ND	ND

NOTE: The soil samples were collected at the depths below grade indicated in the ( ) of the respective sample number.

* All EPA method 8010 constituents were non-detectable, except as indicated above.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

KEI-P90-1103.R8
April 1, 1994

TABLE 6

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
5/23/91	MW1(5)*	2.2	1.1	ND	ND	ND	0.010
&	MW1(10)*	43	43	ND	0.0059	0.0074	0.43
5/30/91	MW1(15)*	120	250	0.80	0.73	0.91	2.9
	MW1(20)*	ND	ND	ND	ND	ND	ND
	MW1(24)*	ND	ND	ND	ND	ND	0.0073
	MW2(5)	--	ND	ND	ND	ND	0.0054
	MW2(10)	--	ND	ND	ND	ND	ND
	MW2(15.5)	--	ND	0.015	ND	0.0064	0.025
	MW2(20)	--	ND	0.0086	ND	ND	ND
	MW2(22)	--	ND	ND	ND	ND	ND
	MW3(5)	--	ND	ND	ND	ND	ND
	MW3(10)	--	ND	ND	ND	ND	ND
	MW3(15)	--	ND	ND	ND	ND	ND
	MW3(20)	--	ND	ND	ND	ND	ND
	MW3(23)	--	2.9	0.0079	ND	0.012	0.031
9/30/92	MW4(5)	--	ND	ND	ND	ND	ND
&	MW4(10)	--	ND	ND	ND	ND	ND
10/01/92	MW4(15)	--	ND	ND	ND	ND	ND
	MW4(20)	--	ND	ND	ND	ND	ND
	MW4(22.5)	--	27♦	ND	ND	ND	ND
	MW5(5)	--	ND	ND	ND	ND	ND
	MW5(10)	--	ND	ND	ND	ND	ND
	MW5(15)	--	ND	ND	ND	ND	ND
	MW5(20)	--	ND	ND	ND	ND	ND
	MW5(22)	--	1.1	ND	0.00600	ND	0.014

KEI-P90-1103.R8
April 1, 1994

TABLE 6 (Continued)

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample Number	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
9/30/92	MW6(5)	--	ND	ND	ND	ND	ND
&	MW6(10)	--	ND	ND	ND	ND	ND
10/01/92	MW6(15)	--	ND	ND	ND	ND	ND
	MW6(20)	--	ND	ND	ND	ND	ND
	MW6(21.5)	--	170	ND	0.38	1.8	4.5
4/14/93	MW7(5)	--	ND	ND	ND	ND	ND
	MW7(10)	--	ND	ND	ND	ND	ND
	MW7(15)	--	ND	ND	ND	ND	ND
	MW7(21)	--	ND	ND	ND	ND	ND
	MW8(5)	--	ND	ND	ND	ND	ND
	MW8(10)	--	ND	ND	ND	ND	ND
	MW8(15)	--	ND	ND	ND	ND	ND
	MW8(20.5)	--	ND	ND	ND	ND	ND

NOTE: The soil samples were collected at the depths below grade indicated in the ( ) of the respective sample number.

* TOG and all EPA method 8010 constituents were non-detectable.

♦ Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

ND = Non-detectable.

-- Indicates analysis was not performed.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

KEI-P90-1103.R8
April 1, 1994

TABLE 7

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Cadmium	Chromium	Lead	Nickel	Zinc
5/29/91	MW1(5)	ND	64	11	32	30
	MW1(10)	ND	48	7.1	24	27
	MW1(15)	ND	11	06.0	42	28
	MW1(20)	ND	32	4.2	36	23
	MW1(24)	ND	20	5.0	31	23

NOTE: The soil samples were collected at the depths below grade indicated in the ( ) of the respective sample number.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

KEI-P90-1103.R8
April 1, 1994

TABLE 8

SUMMARY OF LABORATORY ANALYSES
SOIL

(Collected on November 9 & 12, December 20 & 26, 1990, and January 3, 1991)

Sample	Depth (feet)	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
A1	14.0	1,200	3.0	38	25	170
A2	12.0	ND	ND	0.0082	ND	0.024
B1	14.0	45	0.29	2.7	1.4	10
B2	12.0	ND	0.0063	0.0056	ND	0.011
C(19)	19.0	3,800	11	90	36	210
WO1*	6.5	ND	ND	ND	ND	ND
WO1(9.5)**		9.5	ND	ND	ND	ND
D1	2.5	ND	ND	ND	ND	ND
D2	2.5	45	0.22	1.8	0.71	5.5
D2(6)	6.0	1,200	0.24	28	28	170
D3	2.5	ND	ND	ND	ND	ND
D4	2.5	ND	ND	ND	ND	ND
D5	2.5	ND	ND	ND	ND	ND
D6	2.5	ND	ND	ND	0.018	ND
P1	2.5	ND	ND	ND	ND	ND

* TOG, TPH as diesel, cadmium, and all EPA methods 8010 and 8270 constituents were non-detectable. Chromium, lead, zinc, and nickel were detected at 43 mg/kg, 1,100 mg/kg, 130 mg/kg, and 12 mg/kg, respectively.

** TOG and lead were non-detectable. Chromium, zinc, and nickel were detected at 61 mg/kg, 20 mg/kg, and 40 mg/kg, respectively.

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

KEI-P90-1103.R11
January 10, 1997

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
11/26/96	PD1(5.5)	5.5	ND	0.025	0.026	ND	0.035
	PD2(3.5)	3.5	ND	ND	ND	ND	ND
	PD3(3)	3.0	ND	ND	ND	ND	ND
	PL1(3)	3.0	ND	ND	ND	ND	ND
	PL2(3.5)	3.5	ND	ND	ND	ND	ND
	PD1* (Stockpiled Soil)	NA	430	ND	0.65	0.52	22
12/12/96	Com-posite (S)** (Stockpiled Soil)	NA	ND	ND	ND	ND	0.0093

Date	Sample	Depth (feet)	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG
11/26/96	WO1(9.5)	9.5	ND	ND	ND	ND	ND	ND	ND

Sample	EPA Method 8010 Constituents (µg/kg)					
		Lead	Cadmium	Chromium	Nickel	Zinc
WO1(9.5)	ND	ND	ND	53	36	30

TABLE 1 (Continued)

SUMMARY OF LABORATORY ANALYSES
SOIL

* Total lead was detected at a concentration of 22 mg/kg.

** Total lead was 110 mg/kg and STLC lead was 5.8 mg/kg. On December 17, 1996, KEI re-sampled this stockpile as Comp S2, which showed 110 mg/kg of total lead, and 3.7 mg/kg of STLC lead.

ND = Non-detectable.

NA = Not applicable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

726 HARRISON STREET
OAKLAND, CALIFORNIA

certified analytical laboratory. The sample collected from a depth of approximately 14 feet was selected for analysis based on the presence of petroleum odors. The sample collected from a depth of approximately 19 feet was selected for analysis to evaluate soil quality near the soil and ground water interface.

3.2.1 Laboratory Analyses and Results

Two soil samples were analyzed for TPHg and benzene, toluene, ethylbenzene, xylene (BTEX) compounds, and MTBE (EPA Test Method 8015/8020). Analytical results are presented in Table 1 and on Figure 2. Copies of the analytical reports and chain of custody documentation are presented in Appendix D.

TABLE 1. Analytical Results of Selected Soil Samples
(concentrations in parts per million)

Boring Number	Depth (feet)	MTBE	TPHg	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-1	14 - 14 1/2	<0.05	<1.0	0.011	<0.005	<0.005	<0.005
MW-1	19 - 19 1/2	<0.05	650	1.2	<0.05	2.2	2.8

< Indicates that the compound was not detected at or above the stated laboratory reporting limit
NE Not Established

1200 ppb deeper.

3.3 Ground Water Quality

To evaluate ground water quality at the site, ground water samples were collected from monitoring well MW-1. Copies of the well sampling logs and a discussion of sampling protocol are included in Appendix C.

3.3.1 Laboratory Analyses and Results

The ground water samples were analyzed for TPHg, BTEX, and MTBE (EPA Test Method 8015/8020). Analytical results are shown in Table 2 and on Figure 2. Copies of the laboratory reports are attached in Appendix D.

4.2 Site Specific Geology

Sediments encountered during drilling generally consisted of silty and clayey sand from beneath the asphalt surface to the total depth explored of 31.5-feet bgs. Groundwater was encountered at approximately 20-feet bgs and subsequently stabilized at 18-feet bgs. The boring logs and well construction details are included as Appendix C.

5.0 ANALYTICAL RESULTS FOR SOIL

The soil sample collected from 16.0-feet bgs in each boring was analyzed by Chromalab, Inc. for TPH-G by modified EPA Method 5030/8015, and BTEX and MTBE by EPA Method 8020. The analytical results are tabulated in Table One, and a copy of the certified analytical report and chain of custody form are included in Appendix D. No hydrocarbons were detected in any of the soil samples analyzed.

TABLE ONE
Summary of Chemical Analysis of **SOIL** Samples
All results are in parts per million

Boring	Depth Sampled	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
MW-2	16.0'	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
MW-3	16.0'	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
MW-4	16.0'	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050

Notes:
Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

6.0 MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING

6.1 Monitoring Well Construction

Groundwater monitoring wells MW-2, MW-3 and MW-4 were constructed in borings MW-2, MW-3 and MW-4, respectively. The wells were constructed with 2-inch diameter, 0.020-inch slotted, flush-threaded, Schedule 40 PVC well screen and blank casing. Each well is screened

The analyses are summarized below in Table 1.

Table 1: Soil Sample Analyses

Sample ID	MTBE (mg/kg)	Gasoline (mg/kg)	Diesel (mg/kg)	Oil & Grease (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Total Xylenes (ug/kg)
AE-15'	ND	ND	ND	---	ND	ND	ND	ND
AW-15'	ND	ND	ND	---	ND	ND	ND	ND
BE-15'	ND	470	ND	---	260	520	630	1500
BW-15'	ND	67	---	---	31	52	57	170
CE-15'	ND	73	---	---	96	120	130	350
CW-15'	ND	ND	---	---	ND	ND	ND	ND
DE-15'	ND	450	---	---	320	640	790	2200
DW-15'	ND	5.9	---	---	ND	9.5	11	65
E-WO-8'	ND	ND	ND	85	ND	ND	ND	ND
N-ISLE-3.5'	ND	3.7	---	---	6.0	13	11	57
N-STKP-A,B,C,D,E*	ND	ND	---	---	ND	ND	ND	ND
S-ISLE-3.5'	ND	ND	---	---	ND	ND	ND	ND
S-STKP-A,B,C,D,E *	ND	94	---	---	29	60	90	320
W-WO-8'	ND	ND	ND	24	ND	ND	ND	ND
WO-STKP	ND	ND	ND	340	ND	ND	ND	ND

(mg/kg) = ppm or parts per million
(ug/kg) = ppb or parts per billion
ND = Not Detected
* = Composite sample
--- = Not Analyzed

Table 2: Soil Sample Analyses

Sample ID	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
AE-15'	---	---	5.2	---	---
AW-15'	---	---	3.9	---	---
BE-15'	---	---	9.7	---	---
BW-15'	---	---	4.1	---	---
CE-15'	---	---	3.2	---	---
CW-15'	---	---	3.2	---	---
DE-15'	---	---	3.3	---	---
DW-15'	---	---	5.5	---	---
E-WO-8'	---	---	3.0	---	---
N-ISLE-3.5'	---	---	1.9	---	---
N-STKP-A,B,C,D,E*	---	---	2.6	---	---
S-ISLE-3.5'	---	---	5.3	---	---
S-STKP-A,B,C,D,E *	8.1	38	20	49	210
W-WO-8'	2.2	21	5.2	26	83
WO-STKP	4.1	31	9.1	36	310

(mg/kg) = ppm or parts per million
(ug/kg) = ppb or parts per billion
ND = Not Detected
* = Composite sample
--- = Not Analyzed

5.0 BACKFILL AND RESURFACING

Backfilling and resurfacing will occur following overexcavation of contaminated soil from the gasoline tank excavation. Details of the overexcavation, soil disposal, backfilling, and resurfacing will be summarized in a report following completion of such work.

Table 1: Confirmation Soil Sample Analyses

Sample I.D.	Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Total Lead (mg/kg)
OEB 20'	290	2.9	0.33	3.7	22	16	4.0
SWW 20'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SDW 19'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EOA 16'	N.D.	0.021	N.D.	N.D.	N.D.	0.27	N.D.
OEA 17'	N.D.	0.015	N.D.	N.D.	0.009	N.D.	3.5
OEC 19'	5100	15	110	82	510	N.D.	10
OED 19'	1.3	0.019	N.D.	0.008	0.024	N.D.	5.1
STKP 1-4*	140	0.055	1.4	0.85	5.8	0.59	35
STKP 5-8*	12	0.050	N.D.	0.009	0.030	0.25	3.7
STKP 9-12*	1900	4.3	2.9	23	140	4.9	18

(mg/kg) = ppm or parts per million

(ug/kg) = ppb or parts per billion

N.D. = Not Detected

* Composited soil samples

AEI

TABLE ONE

Certified Analytical Results for SOIL Samples
Collected from Borings
Chan's Former Shell Station
All results are in parts per million (ppm)

Boring	Sample Depth (ft.)	TPH-G	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
BH-A	11.5	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-B	15	360	0.55	5.0	3.4	23	0.064
BH-C	10	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-D	15.5	3.1	0.015	< 0.005	< 0.005	< 0.010	0.43
	19.5	< 1.0	0.0077	< 0.005	< 0.005	< 0.010	1.6
BH-E	15.5	2,100	7.3	47	41	200	16
	19.5	29	0.91	1.5	0.43	2.5	40
BH-F	15.5	< 1.0	0.12	< 0.005	0.0097	< 0.005	3.0
	19.5	< 1.0	0.050	< 0.005	0.010	< 0.005	0.34
BH-G	15.5	< 1.0	0.034	< 0.005	< 0.005	< 0.005	0.0076
	19.5	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
BH-H	18	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
AS-1	6	740	< 0.25	< 0.25	3.5	5.1	< 0.25
EW-1	10	2,300	0.33	0.27	16	26	< 0.25
MW-5	14	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
VE-1	9	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	0.069
VE-2	14	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
RBSL-Commercial		400	0.39	8.4	24	1.0	1.0
RBSL-Residential		400	0.18	8.4	24	1.0	1.0

Notes:

Non-Detectable concentrations are noted by the less than symbol (<) followed by the laboratory detection limit.

RBSL = Risk Based Screening Levels presented in the "Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

706 HARRISON STREET
OAKLAND, CALIFORNIA

Table 1. Soil Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TRPH (mg/kg)	Gravimetric Waste Oil (mg/kg)	Organic Lead (mg/kg)	Total Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
Preliminary Investigation Samples by Frank Lee & Associates															
B1-1'	8/18/1988	1	ND<1.0	ND<0.05	ND<0.1	ND<0.1	ND<0.1	-	-	-	-	-	-	-	-
B2-3, B2-4	8/18/1988	-	19	0.83	1.5	0.88	2.6	-	-	-	2.1	-	-	-	-
B3-1, B4-3	[illegible]	-	1.3	ND<0.05	ND<0.1	ND<0.1	ND<0.1	-	-	-	2.3	-	-	-	-
B5-2	[illegible]	2	5.1	ND<0.005	ND<0.005	ND<0.005	0.34	-	-	-	-	-	-	-	-
[illegible] *Engineering*															
S1-N	1/17/1991	-	ND<1.0	0.070	0.063	0.013	0.054	-	-	-	ND<0.50	-	-	-	-
S1-S	1/17/1991	-	390	0.69	0.56	3.1	8.7	-	-	-	ND<0.50	-	-	-	-
Four [illegible] gasoline [illegible]															
S2-N	1/17/1991	-	6,800	75	290	980	540	-	-	-	ND<0.50	-	-	-	-
S2-S	1/17/1991	-	5,700	82	280	85	460	-	-	-	5.5	-	-	-	-
S3-N	1/17/1991	-	3,600	19	100	53	280	-	-	-	ND<0.50	-	-	-	-
S3-S	1/17/1991	-	4,600	30	210	78	470	-	-	-	ND<0.50	-	-	-	-
S4-N	1/17/1991	-	ND<1.0	0.013	0.010	ND<0.0050	0.026	-	-	-	ND<0.50	-	-	-	-
S4-S	1/17/1991	-	8,000	7.9	56	84	450	-	-	-	ND<0.50	-	-	-	-
S5-N	1/17/1991	-	9,400	17	160	97	650	-	-	-	4.7	-	-	-	-
S5-S	1/17/1991	-	12	0.023	0.016	0.053	0.19	-	-	-	3.3	-	-	-	-
Southern 6,000 gallon ga[illegible]															
S6-E	1/17/1991	-	400	0.21	0.57	5.0	9.8	-	-	-	4.3	-	-	-	-
S6-W	1/17/1991	-	ND<1.0	0.010	0.010	ND<0.0050	0.030	-	-	-	ND<0.50	-	-	-	-
Waste Oil UST															
WO-1	1/17/1991	-	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	-	ND<30	-	28	ND<0.50	33	26	710
Gasoline Dispenser Island															
I1-N	1/17/1991	-	ND<1.0	ND<0.0050	0.0088	ND<0.0050	0.022	-	-	-	370	-	-	-	-
I1-S	1/17/1991	-	ND<1.0	0.0050	0.012	0.0092	0.050	-	-	-	45	-	-	-	-
P[illegible] Subsurface [illegible] Investigation Samples by Consolidated Technologies															
[illegible] *line*															
S-1	12/[illegible]	17	ND<1.0	0.0066	0.0084	ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
S-2	12/12/1991	11	ND<1.0	ND<0.[illegible]0050		ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
S-2A	12/12/1991	11	ND<1.0	ND<0.0050	ND[illegible]0050	ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
S-3	12/[illegible]/1991	11	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
S-4	12/[illegible]/1991	11	110	0.14	0.31	0.32	1.7	-	-	-	-	-	-	-	-
S-5	12/[illegible]	11.25	ND<1.0	0.014	ND[illegible]0050	ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
GS-5	[illegible]	17	170	0.40	3.6	2.2	17	-	-	-	-	-	-	-	-
Northern 6,000 gallo[illegible] T															
S-6	[illegible]	13	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
GS-6	12/12/1991	17	3.0	0.0064	0.0085	0.0084	0.040	-	-	-	-	-	-	-	-

Table 1. Soil Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TRPH (mg/kg)	Gravimetric Waste Oil (mg/kg)	Organic Lead (mg/kg)	Total Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
Southern 6,000 gallon g[illegible] UST															
S-7	[illegible]	11	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
GS-7	[illegible]	16	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	-	-	-	-	-	-	-	-
Gasoline Disp[illegible]															
S-8	12/[illegible]991	2.5	-	-	-	-	-	-	-	-	36 mg/L (STLC)	-	-	-	-
Soil Boring Investigation Samples by Miller Environmental Company															
BH1-5'	9/28/1992	5	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-	-	-
BH1-6'	9/28/1992	6	**1.9**	**0.014**	**0.017**	**0.14**	**0.15**	-	-	-	-	-	-	-	-
BH1-10'	9/28/1992	10	**870**	**0.43**	**15**	**120**	**19**	-	-	-	-	-	-	-	-
BH3-3'	9/28/1992	3	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-	-	-
Stockpile Samples by Miller Environmental Company															
SP1	9/28/1992	-	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-	-	-
SP2A	[illegible]/1992	-	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-	-	-
SP2B	[illegible]	-	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-	-	-
SP3	[illegible] 1992	-	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	300	-	-	-	-	-	-
Excavation Samples by Dennis Bates Associates															
16 ft Bottom Sample	[illegible] 1993	16	**4,300**	**66**	**320**	**130**	**730**	-	-	-	-	-	-	-	-
Side Wall Sample	[illegible]	10	ND<0.5	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	-	-	-	-	-
6K Tank	[illegible]/1993	--	**0.093**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	-	-	-	-	-
WO Tank	[illegible]	--	ND<0.5	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	-	-	-	-	-
Stockpile Samples by Dennis B[illegible]sociates															
SPA	6/17/1[illegible]	-	**2.4**	ND<0.0050	ND<0.0050	**0.0072**	**0.11**	ND<50,000	-	-	**8.9**	-	-	-	-
SPB	6/17/1993	-	**3.4**	**0.0078**	**0.0074**	**0.044**	**0.18**	ND<50,000	-	-	**18**	-	-	-	-
Well Boreho[illegible]iates															
MW-1	[illegible]	5	ND<0.50	ND[illegible]50	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	ND<3.6	-	-	-	-
MW-1	[illegible]	10	ND<0.50	ND[illegible]50	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	ND<3.6	-	-	-	-
MW-1	[illegible]93	15	ND<0.50	ND[illegible]050	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	ND<3.6	-	-	-	-
MW-1	7/22-23/1993	20	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	ND<3.6	-	-	-	-
MW-2	7/22-23/1993	5	ND<0.50	ND[illegible]050	ND<0.0050	ND<0.0050	ND<0.015	-	-	-	ND<3.6	-	-	-	-
MW-2	7/22-23/1993	10	ND<0.50	**0.059**	**0.036**	**0.0061**	**0.031**	-	-	-	ND<3.6	-	-	-	-
MW-2	7/22-2[illegible]	15	**48**	**0.56**	**2.8**	**1.5**	**8.8**	-	-	-	ND<3.6	-	-	-	-
MW-3	7/22-2[illegible]	5	ND<0.50	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.015	ND<50	-	-	ND<3.6	-	-	-	-
MW-3	7/22-[illegible]	10	ND<0.50	ND[illegible]050	ND<0.0050	ND<0.0050	ND<0.015	ND<50	-	-	ND<3.6	-	-	-	-
MW-3	7/22-2[illegible]993	15	ND<0.50	ND[illegible]	ND<0.0050	ND<0.0050	ND<0.015	ND<50	-	-	ND<3.6	-	-	-	-
MW-3	7/22-23/1993	20	ND<0.50	ND<0.0[illegible]	ND<0.0050	ND<0.0050	ND<0.015	ND<50	-	-	ND<3.6	-	-	-	-
VW-1	7/22-23/1993	17	**360**	**18**	**40**	**13**	**68**	-	-	-	ND<3.6	-	-	-	-

Table 1. Soil Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TRPH (mg/kg)	Gravimetric Waste Oil (mg/kg)	Organic Lead (mg/kg)	Total Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
VW-2	7/22-23/1993	17	6,000	210	890	210	1,200	-	-	-	ND<3.6	-	-	-	-
Stockpile Samples by Dennis [illegible] Associates															
PI1-2.5'	[illegible]	2.5	-	-	-	-	-	-	-	ND<1.7	130	-	-	-	-
PI2-1.5'	12/11 [illegible]93	1.5	-	-	-	-	-	-	-	ND<1.7	46	-	-	-	-
PI3-2'	[illegible] 1993	2.0	-	-	-	-	-	-	-	17	1,100	-	-	-	-
VW1-1 and VW1-2	[illegible] 1993	-	-	-	-	-	-	-	-	ND<1.7	15	-	-	-	-
VW2-1 and VW2-2	[illegible] 93	-	-	-	-	-	-	-	-	ND<1.7	5.5	-	-	-	-
Well Borehole Sampl[illegible] Environemtal Technology, Inc.															
SB-A/MW-4	[illegible]	16.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-A/MW-4	[illegible]	17.5	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-A/MW-4	[illegible] 94	26.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-A/MW-4	[illegible]	26.0	ND<1	0.021	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-B	[illegible] 1994	11.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-B	[illegible]	16.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-B	[illegible]	26.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-C/VW-3	[illegible]	[illegible]	410	ND<0.5	2.0	37	22	-	-	-	-	-	-	-	-
SB-C/VW-3	[illegible]	18.0	14,000	120	620	220	1,100	-	-	-	-	-	-	-	-
SB-C/VW-3	11/2[illegible]-94	26.0	ND<1	0.059	0.041	0.0028	0.050	-	-	-	-	-	-	-	-
SB-D/VW-4	11/2[illegible]	17.5	15,000	160	700	240	1,200	-	-	-	-	-	-	-	-
SB-E/VW-5	11/30/1994	11.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-E/VW-5	[illegible]	[illegible]	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-E/VW-5	[illegible]	26.0	ND<1	ND<0.0025	0.012	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-F/MW-5	11/3[illegible] 4	18.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-[illegible]-6	12/1/1994	16.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-[illegible]	[illegible]	[illegible]	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-H/MW-7	[illegible]	18.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-H[illegible]-7	[illegible]	26.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-I	12/2/1994	11.0	ND<1	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	-	-	-	-	-	-	-	-
SB-I	12/2/1994	18.0	1,200	ND<0.0025	12	13	78	-	-	-	-	-	-	-	-
SB-I	12/2/1994	26.0	4.4	ND<0.0025	0.013	0.018	0.055	-	-	-	-	-	-	-	-

Table 1. Soil Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Sample ID	Date Sampled	Depth (ft)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TRPH (mg/kg)	Gravimetric Waste Oil (mg/kg)	Organic Lead (mg/kg)	Total Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)

Abbreviations and Analyses:

mg/kg = Milligrams per kilogram

ND<0.5 = Not Detected (ND) above Detection Limit.

- = Not sampled, not analyzed, or not applicable

ft = Measured in feet

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

Benzene, ethylbenzene, toluene [illegible] by EPA Method 8020.

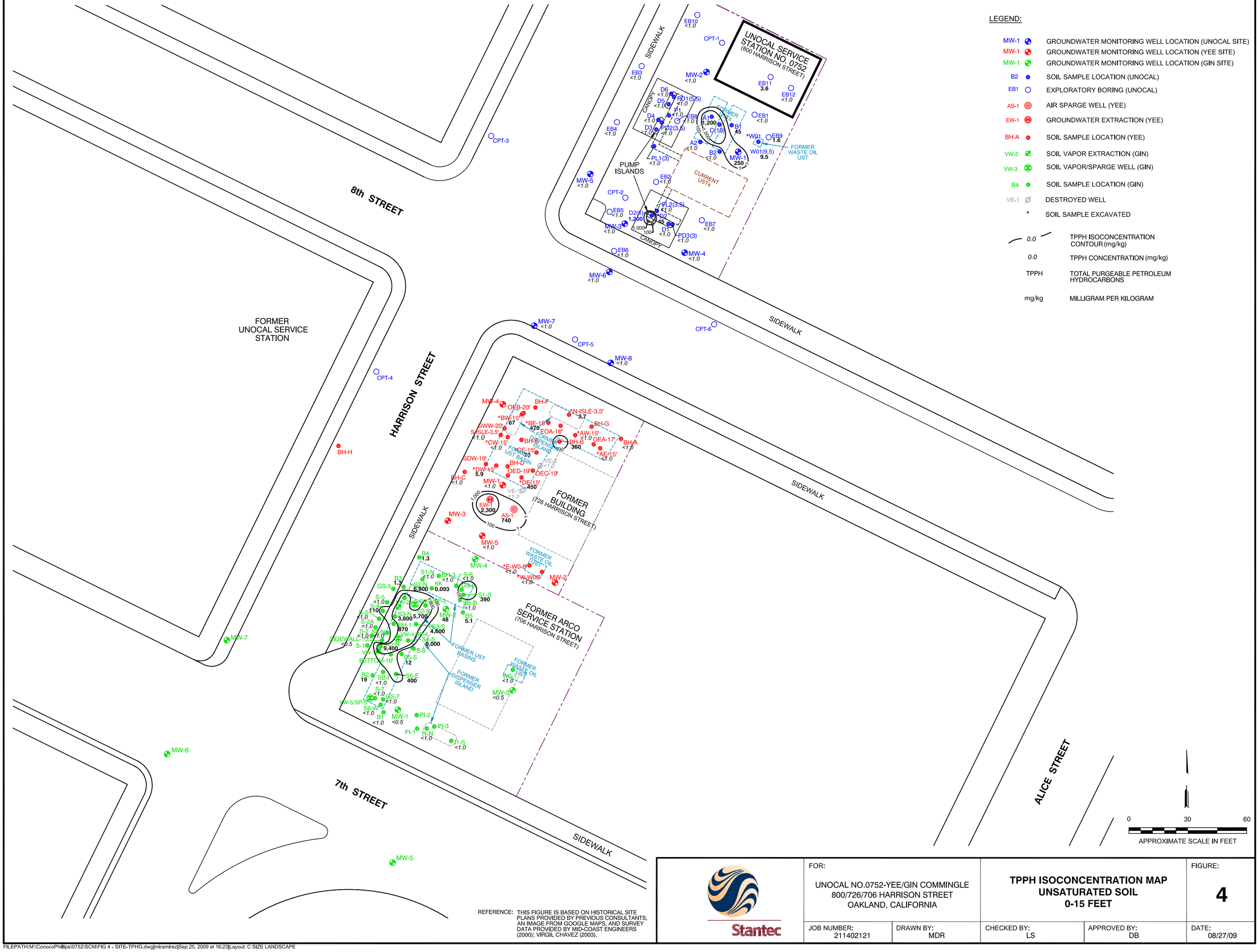
TRPH = Total Recoverable Petro[illegible] by EPA Method 418.1

Gravimetric Waste Oil = Gravime[illegible]ste Oil as Petroleum Oil by EPA Extraction Method 3550 and gravimetric determination by standard methods 5520.

Organic Lead by DHS Method

Total Lead by EPA Method 7420

Cadmium Chromium, nickel, and zinc by Method 6010

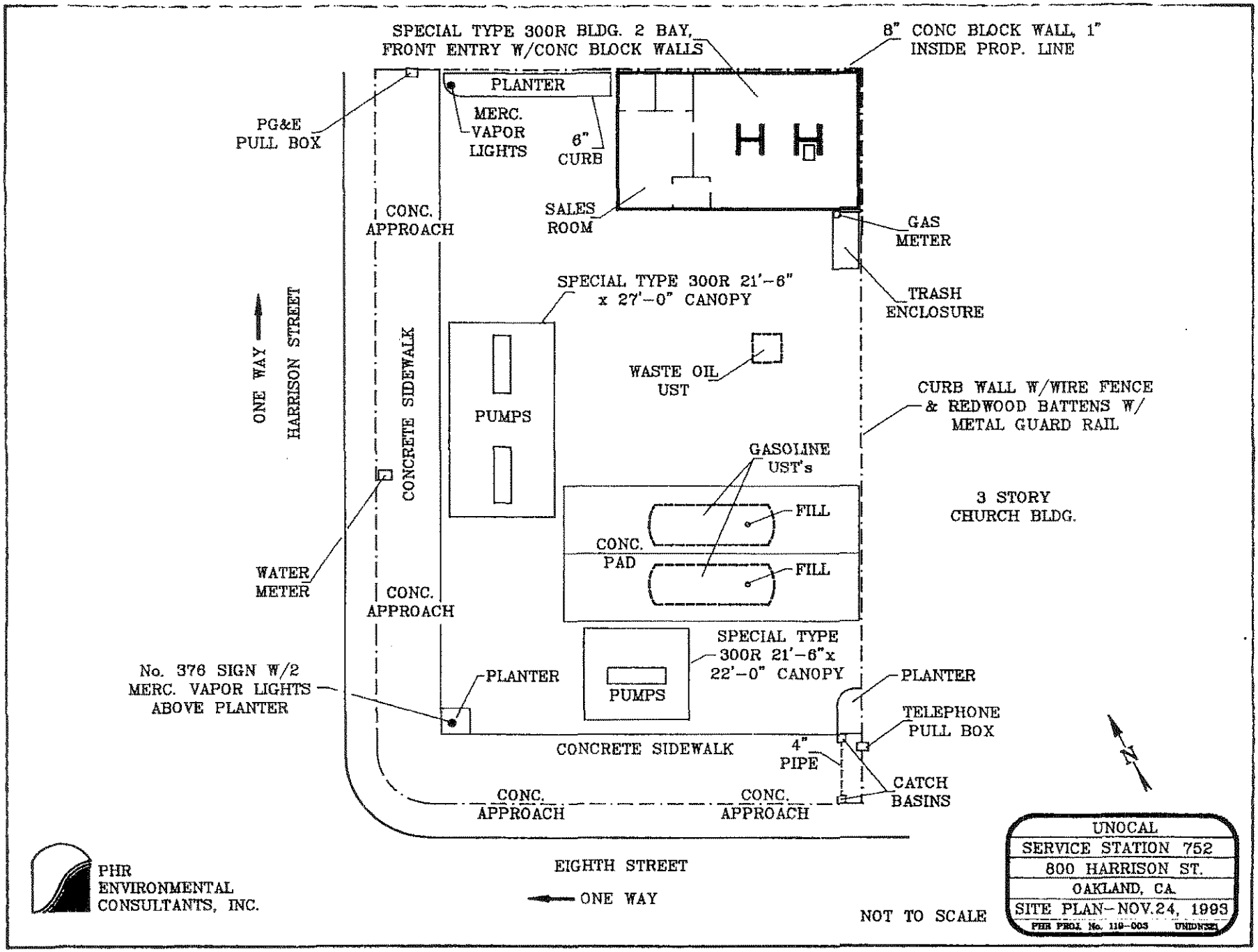


REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID-COAST ENGINEERS (2000); VIRGIL CHAVEZ (2003).

Stantec

FOR:		TPPH ISOCONCENTRATION MAP UNSATURATED SOIL 0-15 FEET		FIGURE:
UNOCAL NO.0752-YEE/GIN COMMINGLE 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA				4
JOB NUMBER: 211402121	DRAWN BY: MDR	CHECKED BY: LS	APPROVED BY: DB	DATE: 08/27/09

FILEPATH:M:\ConocoPhillips\0752\SCM\FIG 4 - SITE-TPHG.dwg|miramirez|Sep 25, 2009 at 16:23|Layout: C SIZE LANDSCAPE


SPECIAL TYPE 300R BLDG. 2 BAY, FRONT ENTRY W/CONC BLOCK WALLS
8" CONC BLOCK WALL, 1" INSIDE PROP. LINE
PLANTER
MERC. VAPOR LIGHTS
6" CURB
PG&E PULL BOX
CONC. APPROACH
SALES ROOM
GAS METER
SPECIAL TYPE 300R 21'-6" x 27'-0" CANOPY
TRASH ENCLOSURE
ONE WAY
HARRISON STREET
CONCRETE SIDEWALK
WASTE OIL UST
PUMPS
CURB WALL W/WIRE FENCE & REDWOOD BATTENS W/ METAL GUARD RAIL
GASOLINE UST's
FILL
CONC. PAD
FILL
3 STORY CHURCH BLDG.
WATER METER
CONC. APPROACH
SPECIAL TYPE 300R 21'-6"x 22'-0" CANOPY
No. 376 SIGN W/2 MERC. VAPOR LIGHTS ABOVE PLANTER
PLANTER
PUMPS
PLANTER
TELEPHONE PULL BOX
CONCRETE SIDEWALK
4" PIPE
CATCH BASINS
CONC. APPROACH
CONC. APPROACH
EIGHTH STREET
ONE WAY
PHR ENVIRONMENTAL CONSULTANTS, INC.
NOT TO SCALE
UNOCAL
SERVICE STATION 752
800 HARRISON ST.
OAKLAND, CA.
SITE PLAN- NOV.24, 1993
PHR PROJ. No. 110-005

HISTORICAL GROUNDWATER TABLES

800 HARRISON STREET
OAKLAND, CALIFORNIA

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL AND MONITORING DATA
76 Station 0752
800 Harrison Street
Oakland, California

Sample ID	Sample Depth	As- Built Screen Interval (feet below TOC)	TOC Elevation (feet)	Date Sampled	Depth to GW (feet, below TOC)	GW Elevation (feet)	GW Elevation Change (feet)	NAPL Thickness	TOG (µg/l)	TPHd (µg/l)	TPH-G by GC/MS (µg/l)	TPPH (µg/l)	BTEX				MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	DIPE (µg/l)	ETBE (µg/l)	Ethanol (µg/l)	TAME (µg/l)	TBA (µg/l)
													Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)							
Grab Groundwater Samples																							
CPT-1-30'	28 - 30	--	--	2/7/2007	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
CPT-1-50'	47 - 50	--	--	2/7/2007	--	--	--	--	--	--	--	75	<0.50	0.60	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
CPT-2-25'	21 - 25	--	--	2/7/2007	--	--	--	--	--	--	--	40,000	190	<0.50	690	840	--	31,000	<0.50	<25	<12,0000	<25	5,500
CPT-2-50'	47 - 50	--	--	2/7/2007	--	--	--	--	--	--	--	99	3.6	0.57	3.1	5.9	--	32	<0.50	<0.50	<250	<0.50	<10
CPT-3-28'	26 - 28	--	--	2/6/2007	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
CPT-3-50'	47 - 50	--	--	2/6/2007	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
CPT-4-28'	26 - 28	--	--	2/5/2007	--	--	--	--	--	--	--	100	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
CPT-4-48'	45 - 48	--	--	2/5/2007	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
CPT-5-26'	24 - 26	--	--	2/5/2007	--	--	--	--	--	--	--	26,000	270	10	2.3	20	--	74,000	<0.50	<0.50	<250	56	12,000
CPT-5-48'	45 - 48	--	--	2/5/2007	--	--	--	--	--	--	--	110	<0.50	<0.50	<0.50	<0.50	--	110	<0.50	1.0	<250	<0.50	<10
CPT-6-29'	27 - 29	--	--	2/6/2007	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
CPT-6-44'	42 - 44	--	--	2/6/2007	--	--	--	--	--	--	--	54	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<250	<0.50	<10
Groundwater Monitoring Wells																							
MW-1			34.94	06/05/91	--	--	--	--	--	<50	--	47	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--
				09/30/91	--	--	--	--	<5.0	<50	--	<30	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--
				12/30/91	--	--	--	--	<5.0	<50	--	<30	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--
				04/02/92	--	--	--	--	<5.0	94	--	<30	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--
				06/30/92	--	--	--	--	<5.0	120	--	<30	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--
				09/15/92	--	--	--	--	--	<50	--	76	1.0	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				12/21/92	21.17	13.77		0.00	--	<50	--	95	0.69	<0.50	<0.50	1.0	--	--	--	--	--	--	--
				04/28/93	--	--	--	--	--	470	--	920	3.1	2.3	1.2	9.7	--	--	--	--	--	--	--
				07/23/93	20.13	14.81	--	0.00	--	<50	--	<50	0.5	0.66	<0.50	<0.50	--	--	--	--	--	--	--
			34.69	10/05/93	20.30	14.39	-0.42	0.00	--	57	--	92	1.5	<0.50	<0.50	0.72	--	--	--	--	--	--	--
				01/03/94	20.52	14.17	-0.22	0.00	--	<50	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				04/02/94	20.16	14.53	0.36	0.00	--	<50	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				07/05/94	19.27	15.42	0.89	0.00	--	--	--	250	4.8	13	1.20	7.30	--	--	--	--	--	--	--
				10/06/94	20.87	13.82	-1.60	0.00	--	--	--	540	1.4	<0.50	0.66	11.00	--	--	--	--	--	--	--
				01/02/95	19.67	15.02	1.20	0.00	--	--	--	140	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				04/03/95	17.61	17.08	2.06	0.00	--	--	--	580	3.6	0.75	<0.50	4.00	--	--	--	--	--	--	--
				07/14/95	18.58	16.11	-0.97	0.00	--	--	--	260	2.1	<0.50	<0.50	1.20	--	--	--	--	--	--	--
				10/10/95	19.60	15.09	-1.02	0.00	--	--	--	220	2.0	<0.50	25	5.60	29.00	--	--	--	--	--	--
				01/03/96	19.69	15.00	-0.09	0.00	--	--	--	190	2.4	<0.50	0.71	1.20	--	--	--	--	--	--	--
				04/10/96	17.65	17.04	2.04	0.00	--	--	--	540	8.9	1.70	1.50	7.40	50	--	--	--	--	--	--
				07/09/96	18.52	16.17	-0.87	0.00	--	--	--	490	3.0	1.40	1.30	2.50	150	--	--	--	--	--	--
				01/24/97	17.72	16.97	0.80	0.00	--	--	--	760	27	0.89	5.20	10.00	510	--	--	--	--	--	--
				07/23/97	19.42	15.27	-1.70	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	550	--	--	--	--	--	--
				01/26/98	17.46	17.23	1.96	0.00	--	--	--	1,800	<10	<10	<10	<10	4,800	--	--	--	--	--	--
				07/03/98	18.61	16.08	-1.15	0.00	--	--	--	<1,000	<10	<10	<10	<10	1,800	--	--	--	--	--	--
				01/14/99	18.92	15.77	-0.31	0.00	--	--	--	83	<0.50	<0.50	<0.50		230	--	--	--	--	--	--
				07/15/99	17.84	16.85	1.08	0.00	--	--	--	110	<0.50	<0.50	<0.50	1.00	290	--	--	--	--	--	--
				01/07/00	19.13	15.56	-1.29	0.00	--	--	--	<50	<0.50	<0.50	<0.50		260	--	--	--	--	--	--
				07/19/00	20.27	14.42	-1.14	0.00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	648	--	--	--	--	--	--
				01/02/01	20.04	14.65	0.23	0.00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	119	--	--	--	--	--	--
				05/23/01	18.27	16.42	1.77	0.00	--	--	--	84	<0.50	<0.50	<0.50	<0.50	760	--	--	--	--	--	--
				07/30/01	18.56	16.13	-0.29	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	350	--	--	--	--	--	--
				10/15/01	18.72	15.97	-0.16	0.00	--	--	--	96	<0.50	<0.50	<0.50	<0.50	160	--	--	--	--	--	--
				01/14/02	16.78	17.91	1.94	0.00	--	--	--	450	<2.5	<2.5	<2.5	3.30	4,100	--	--	--	--	--	--
				04/15/02	17.35	17.34	-0.57	0.00	--	--	--	<1000	<10	<10	<10	<10	10,000	--	--	--	--	--	--
				07/15/02	17.63	17.06	-0.28	0.00	--	--	--	2,100	<10	<10	<10	<20	--	2,100	--	--	--	--	--
				01/18/03	17.04	17.65	0.59	0.00	--	--	--	<25,000	<250	<250	<250	<500	--	29,000	--	--	--	--	--
				07/11/03	17.91	16.78	-0.87	0.00	--	--	--	4,000	<25	<25	<25	<50	--	6,300	--	--	--	--	--
				02/04/04	17.98	16.71	-0.07	0.00	--	--	8,000	--	<50	<50	<50	<100	--	8,500	--	--	--	--	--
				08/11/04	17.84	16.85	0.14	0.00	--	--	1,100	--	<10	<10	<10	<20	--	1,500	--	--	--	--	--
				03/31/05	15.71	18.98	2.13	0.00	--	--	<2000	--	<0.50	<0.50	0.54	2.20	--	4,900	--	--	--	--	--
				09/30/05	17.65	17.04	-1.94	0.00	--	--	190	--	<0.50	<0.50	<0.50	<1.0	--	160	--	--	--	--	--
				03/27/06	15.03	19.66	2.62	0.00	--	--	760	--	<0.50	<0.50	<0.50	<1.0	--	1,000	--	--	--	--	--
				09/27/06	18.45	16.24	-3.42	0.00	--	--	170	--	<0.50	<0.50	<0.50	0.61	--	73	--	--	--	--	--
				03/27/07	18.84	15.85	-0.39	0.00	--	--	120	--	<0.50	<0.50	<0.50	<0.50	--	99	--	--	--	--	--
				09/28/07	19.73	14.96	-0.89	0.00	--	--	68	--	<0.50	<0.50	<0.50	<0.50	--	15	--	--	--	--	--
				03/26/08	19.32	15.37	0.41	0.00	--	--	200	--	<0.50	<0.50	<0.50	1.00	--	47	--	--	--	--	--
				07/28/08	20.15	14.54	-0.83	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	8.7	--	--	--	--	--
				01/26/09	20.74	13.95	-0.59	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	5.2	--	--	--	--	--
MW-2			34.97	06/05/91	--	--	--	--	--	--	--	49	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--
				09/30/91	--	--	--	--	--	<30	--	130	18	0.53	14	9.6	--	--	--	--	--	--	--
				12/30/91	--	--	--	--	--	--	--	91	16	0.89	11	1.9	--	--	--	--	--	--	--
				04/02/92	--	--	--	--	--	--	--	88	12	0.32	6.3	7.2	--	--	--	--	--	--	--
				06/30/92	--	--	--	--	--	--	--	76	9.3	0.76	4.8	6.9	--	--	--	--	--	--	--
				09/15/92	--	--	--	--	--	--	--	1,300	91	5.70	80	110	--	--	--	--	--	--	--
				12/21/92	20.85	14.12	--	0.00	--	--	--	960	97	3.20	74	96	--	--	--	--	--	--	--
				04/28/93	--	--	--	--	--	--	--	1,300	76	1.90	130	87	--	--	--	--	--	--	--
				07/23/93	19.81	15.16	--	0.00	--	--	--	66	1.8	<0.5	2.5	2.0	--	--	--	--	--	--	--
			34.72	10/05/93	19.95	14.77	-0.39	0.00	--	--	--	120	12	<0.5	2.1	12	--	--	--	--	--	--	--
				01/03/94	20.21	14.51	-0.26	0.00	--	--	--	260	25	<0.5	5.5	26	--	--	--	--	--	--	--
				04/02/94	19.88	14.84	0.33	0.00	--	--	--	<50	0.65	<0.5	<0.5	0.99	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL AND MONITORING DATA
76 Station 0752
800 Harrison Street
Oakland, California

Sample ID	Sample Depth	As- Built Screen Interval (feet below TOC)	TOC Elevation (feet)	Date Sampled	Depth to GW (feet, below TOC)	GW Elevation (feet)	GW Elevation Change (feet)	NAPL Thickness	TOG (µg/l)	TPHd (µg/l)	TPH-G by GC/MS (µg/l)	TPPH (µg/l)	BTEX				MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	DIPE (µg/l)	ETBE (µg/l)	Ethanol (µg/l)	TAME (µg/l)	TBA (µg/l)
													Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)							
MW-2 (Cont.)				07/05/94	19.07	15.65	0.81	0.00	--	--	--	160	16	<0.50	0.7	10	--	--	--	--	--	--	--
				10/06/94	20.55	14.17	-1.48	0.00	--	--	--	170	15	<0.50	1.4	11	--	--	--	--	--	--	--
				01/02/95	19.25	15.47	1.30	0.00	--	--	--	190	27	<0.50	1.0	11	--	--	--	--	--	--	--
				04/03/95	17.49	17.23	1.76	0.00	--	--	--	2,400	65	6.6	19	63	--	--	--	--	--	--	--
				07/14/95	18.30	16.42	-0.81	0.00	--	--	--	750	270	<0.50	<0.50	13	--	--	--	--	--	--	--
				10/10/95	19.25	15.47	-0.95	0.00	--	--	--	50	1.6	<0.50	<0.50	<0.50	200	--	--	--	--	--	--
				01/03/96	19.40	15.32	-0.15	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				04/10/96	17.35	17.37	2.05	0.00	--	--	--	300	42	<0.50	2.4	9	620	--	--	--	--	--	--
				07/09/96	18.22	16.50	-0.87	0.00	--	--	--	760	230	<0.50	1.3	2.4	1,500	--	--	--	--	--	--
				01/24/97	17.59	17.13	0.63	0.00	--	--	--	2,900	400	350	190	720	1,300	--	--	--	--	--	--
				07/23/97	19.13	15.59	-1.54	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	65	--	--	--	--	--	--
				01/26/98	17.12	17.60	2.01	0.00	--	--	--	<50	<0.50	<0.50	<0.50	0.58	13	--	--	--	--	--	--
				07/03/98	18.20	16.52	-1.08	0.00	--	--	--	140	26	<0.50	1.0	5.0	330	--	--	--	--	--	--
				01/14/99	18.56	16.16	-0.36	0.00	--	--	--	<50	0.54	<0.50	<0.50	<0.50	350	--	--	--	--	--	--
				07/15/99	17.39	17.33	1.17	0.00	--	--	--	<50	0.88	<0.50	<0.50	<0.50	39	--	--	--	--	--	--
				01/07/00	18.78	15.94	-1.39	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	--	--	--	--
				07/19/00	19.68	15.04	-0.90	0.00	--	--	--	<50.0	1.45	<0.500	<0.500	<0.500	117	--	--	--	--	--	--
				01/02/01	19.73	14.99	-0.05	0.00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	11	--	--	--	--	--	--
				05/23/01	18.16	16.56	1.57	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	33	--	--	--	--	--	--
				07/30/01	18.34	16.38	-0.18	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	67	--	--	--	--	--	--
				10/15/01	18.52	16.20	-0.18	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	31	--	--	--	--	--	--
				01/14/02	16.72	18.00	1.80	0.00	--	--	--	<50	<0.50	<0.50	<0.50	0.6	11	--	--	--	--	--	--
				04/15/02	17.26	17.46	-0.54	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	110	--	--	--	--	--	--
				07/15/02	17.46	17.26	-0.20	0.00	--	--	--	270	21	<0.50	3.80	4.00	--	73	--	--	--	--	--
				01/18/03	16.93	17.79	0.53	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	22	--	--	--	--	--
				07/11/03	17.68	17.04	-0.75	0.00	--	--	--	130	3.0	<0.50	<0.50	<1.0	--	89	--	--	--	--	--
				02/04/04	17.36	17.36	0.32	0.00	--	--	61	--	2.9	<0.50	<0.50	<1.0	--	22	--	--	--	--	--
				08/11/04	17.61	17.11	-0.25	0.00	--	--	140	--	<0.50	0.60	<0.50	<1.0	--	94	--	--	--	--	--
				03/31/05	15.56	19.16	2.05	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	14	--	--	--	--	--
				09/30/05	17.31	17.41	-1.75	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	9.1	--	--	--	--	--
				03/27/06	14.91	19.81	2.40	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	2.7	--	--	--	--	--
				09/27/06	18.15	16.57	-3.24	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<0.50	--	7.7	--	--	--	--	--
				03/27/07	18.57	16.15	-0.42	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<0.50	--	1.4	--	--	--	--	--
				09/28/07	18.38	16.34	0.19	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	--
				03/26/08	19.06	15.66	-0.68	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--
				07/28/08	19.90	14.82	-0.84	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--
				01/26/09	20.50	14.22	-0.60	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--
MW-3			33.39	06/05/91	--	--	--	--	--	--	--	5,800	1,200	40	140	97	--	--	--	--	--	--	--
				09/30/91	--	--	--	--	--	--	--	6,800	1,400	130	290	240	--	--	--	--	--	--	--
				12/30/91	--	--	--	--	--	--	--	7,200	2,100	690	410	550	--	--	--	--	--	--	--
				04/02/92	--	--	--	--	--	--	--	8,000	1,400	200	300	310	--	--	--	--	--	--	--
				06/30/92	--	--	--	--	--	--	--	8,900	1,900	210	430	550	--	--	--	--	--	--	--
				09/15/92	--	--	--	--	--	--	--	10,000	1,900	330	400	580	--	--	--	--	--	--	--
				12/21/92	20.02	13.37	--	0.00	--	--	--	8,500	1,500	150	310	330	--	--	--	--	--	--	--
				04/28/93	--	--	--	--	--	--	--	2,600	220	7.6	41	27	--	--	--	--	--	--	--
				07/23/93	19.00	14.39	--	0.00	--	--	--	4,400	660	26	160	82	--	--	--	--	--	--	--
			33.14	10/05/93	19.20	13.94	-0.45	0.00	--	--	--	9,200	720	88	140	140	--	--	--	--	--	--	--
				01/03/94	19.40	13.74	-0.20	0.00	--	--	--	4,900	830	100	170	150	--	--	--	--	--	--	--
				04/02/94	19.01	14.13	0.39	0.00	--	--	--	6,000	800	30	140	110	--	--	--	--	--	--	--
				07/05/94	18.14	15.00	0.87	0.00	--	--	--	25,000	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/06/94	19.73	13.41	-1.59	0.00	--	--	--	49,000	1300	200	280.00	300	--	--	--	--	--	--	--
				01/02/95	18.36	14.78	1.37	0.00	--	--	--	480	1.6	<0.50	1.40	<0.50	--	--	--	--	--	--	--
				04/03/95	16.38	16.76	1.98	0.00	--	--	--	8,100	65	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				07/14/95	17.49	15.65	-1.11	0.00	--	--	--	<50	1,300	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/10/95	18.50	14.64	-1.01	0.00	--	--	--	3,100	1,400	36	50	53	190,000	--	--	--	--	--	--
				01/03/96	18.54	14.60	-0.04	0.00	--	--	--	<50	2,300	110	150	140	--	--	--	--	--	--	--
				04/10/96	16.40	16.74	2.14	0.00	--	--	--	940	38	33	39	47	69,000	--	--	--	--	--	--
				07/09/96	17.43	15.71	-1.03	0.00	--	--	--	<50	2,000	<0.50	150	160	140,000	--	--	--	--	--	--
				01/24/97	16.57	16.57	0.86	0.00	--	--	--	540	8.0	<0.50	11	9.9	45	--	--	--	--	--	--
				07/23/97	18.38	14.76	-1.81	0.00	--	--	--	7,400	1,900	180	140	340	45,000	--	--	--	--	--	--
				01/26/98	16.22	16.92	2.16	0.00	--	--	--	250	2.2	1.90	0.9	1.9	4.0	--	--	--	--	--	--
				07/03/98	17.46	15.68	-1.24	--	--	--	--	230	1.8	2.50	1.5	3.4	6.3	--	--	--	--	--	--
				01/14/99	17.73	15.41	-0.27	--	--	--	--	400	8.2	2.70	0.9	5.9	140	--	--	--	--	--	--
				07/15/99	16.58	16.56	1.15	--	--	--	--	290	3.3	3.60	1.7	2.5	13	--	--	--	--	--	--
				01/07/00	17.84	15.30	-1.26	--	--	--	--	<5,000	890	91	100	480	20,000	--	--	--	--	--	--
				07/19/00	18.92	14.22	-1.08	--	--	--	--	354	3.87	2.61	0.646	<0.500	13.7	--	--	--	--	--	--
				01/02/01	19.07	14.07	-0.15	--	--	--	--	464	<0.500	3.69	3.9	<0.500	21.1	--	--	--	--	--	--
				05/23/01	17.12	16.02	1.95	--	--	--	--	420	7.6	3.10	3.0	5.1	1,900	--	--	--	--	--	--
				07/30/01	17.38	15.76	-0.26	--	--	--	--	290	4.6	4.10	<0.50	3.4	23	--	--	--	--	--	--
				10/15/01	17.61	15.53	-0.23	--	--	--	--	400	<0.50	<0.50	<0.50	<0.50	13	--	--	--	--	--	--
				01/14/02	15.53	17.61	2.08	--	--	--	--	130	0.5	0.61	1.1	<0.50	9.9	--	--	--	--	--	--
				04/15/02	16.12	17.02	-0.59	--	--	--	--	280	9.9	1.6	3.3	6.8	1,400	--	--	--	--	--	--
				07/15/02	16.48	16.66	-0.36	--	--	--	--	64	<0.50	<0.50	<0.50	<1.0	33	--	--	--	--	--	--
				01/18/03	15.81	17.33	0.67	--	--	--	--	420	0.54	<0.50	<0.50	<1.0	130	--	--	--	--	--	--
				07/11/03	16.74	16.40	-0.93	--	--	--	300	--	2.3	<0.50	<0.50	<1.0	--	31	--	--	--	--	--
				02/04/04	16.15	16.99	0.59	0.00	--	--	130	--	7.9	<0.50	<0.50	<1.0	--	63	--	--	--	--	--
				08/11/04	16.64	16.50	-0.49	0.00	--	--	<20,000	--	<200	<200	<200	<400	--	20,000	--	--	--	--	--
				03/31/05	14.53	18.61	2.11	0.00	--	--	<20,000	--	330	<200	<200	<400	--	78,000	--	--	--	--	--
				09/30/05	16.55	16.59	-2.02	0.00	--	--	12,000	--	360	40.00	<25	50.00	--	20,000	--	--	--	--	--
				03/27/06	13.66	19.48	2.89	0.00	--	--	10,000	--	150	<25	53.00	99.00	--	15,000	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL AND MONITORING DATA
76 Station 0752
800 Harrison Street
Oakland, California

Sample ID	Sample Depth	As- Built Screen Interval (feet below TOC)	TOC Elevation (feet)	Date Sampled	Depth to GW (feet, below TOC)	GW Elevation (feet)	GW Elevation Change (feet)	NAPL Thickness	TOG (µg/l)	TPHd (µg/l)	TPH-G by GC/MS (µg/l)	TPPH (µg/l)	BTEX				MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	DIPE (µg/l)	ETBE (µg/l)	Ethanol (µg/l)	TAME (µg/l)	TBA (µg/l)
													Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)							
MW-3 (Cont.)				09/27/06	17.40	15.74	-3.74	0.00	--	--	<12,000	--	<120	<120	<120	<120	--	12,000	--	--	--	--	--
				03/27/07	17.55	15.59	-0.15	0.00	--	--	8,700	--	180	<12	60.00	57.00	--	8,900	--	--	--	--	--
				09/28/07	18.59	14.55	-1.04	0.00	--	--	9,000	--	55	<50	<50	<50	--	11,000	--	--	--	--	--
				03/26/08	18.19	14.95	0.40	0.00	--	--	450	--	13	1.30	0.84	1.40	--	7,200	--	--	--	--	--
				07/28/08	19.00	14.14	-0.81	0.00	--	--	8,300	--	<50	<50	<50	<100	--	13,000	--	--	--	--	--
				01/26/09	19.54	13.60	-0.54	0.00	--	--	8,800	--	27	<12	<12	<25	--	13,000	--	--	--	--	--
MW-4			--	10/19/92	--	--	--	--	--	--	--	480	0.51	2.1	2.8	6.8	--	--	--	--	--	--	--
			33.12	12/21/92	19.73	13.39	--	--	--	--	--	220	<0.5	<0.5	0.97	0.74	--	--	--	--	--	--	--
				04/28/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
				07/23/93	18.72	14.40	--	--	--	--	--	85	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
			32.71	10/05/93	18.74	13.97	-0.43	--	--	--	--	130	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
				01/03/94	18.93	13.78	-0.19	--	--	--	--	210	<0.5	<0.5	0.76	1.6	--	--	--	--	--	--	--
				04/02/94	18.53	14.18	0.40	--	--	--	--	89	<0.5	<0.5	<0.5	<0.5	240	--	--	--	--	--	--
				07/05/94	17.67	15.04	0.86	--	--	--	--	190	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/06/94	19.25	13.46	-1.58	--	--	--	--	170	0.85	<0.50	<0.50	0.74	--	--	--	--	--	--	--
				01/02/95	17.75	14.96	1.50	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				04/03/95	15.87	16.84	1.88	--	--	--	--	98	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				07/14/95	17.01	15.70	-1.14	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/10/95	18.03	14.68	-1.02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	120	--	--	--	--	--	--
				01/03/96	18.05	14.66	-0.02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				04/10/96	16.00	16.71	2.05	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	240	--	--	--	--	--	--
				07/09/96	16.96	15.75	-0.96	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	480	--	--	--	--	--	--
				01/24/97	16.04	16.67	0.92	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	270	--	--	--	--	--	--
				07/23/97	17.87	14.84	-1.83	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	460	--	--	--	--	--	--
				01/26/98	16.05	16.66	1.82	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	17	--	--	--	--	--	--
				07/03/98	16.95	15.76	-0.90	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	3.8	--	--	--	--	--	--
				01/14/99	17.34	15.37	-0.39	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	4,600	--	--	--	--	--	--
				07/15/99	16.36	16.35	0.98	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				01/07/00	17.81	14.90	-1.45	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	450	--	--	--	--	--	--
				07/19/00	18.94	13.77	-1.13	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--	--	--	--	--
				01/02/01	18.85	13.86	0.09	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--	--	--	--	--
				05/23/01	16.82	15.89	2.03	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
				07/30/01	16.88	15.83	-0.06	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.9	--	--	--	--	--	--
				10/15/01	17.08	15.63	-0.20	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
				01/14/02	14.97	17.74	2.11	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	30	--	--	--	--	--	--
				04/15/02	15.48	17.23	-0.51	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	180	--	--	--	--	--	--
				07/15/02	15.90	16.81	-0.42	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	50	--	--	--	--	--	--
				01/18/03	15.39	17.32	0.51	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--	--	--	--
				07/11/03	16.17	16.54	-0.78	--	--	--	200	--	<0.50	<0.50	<0.50	<1.0	--	52	--	--	--	--	--
				02/04/04	16.12	16.59	0.05	0.00	--	--	1,300	--	<10	<10	<10	<20	--	1,700	--	--	--	--	--
				08/11/04	16.16	16.55	-0.04	0.00	--	--	<5000	--	<50	<50	<50	<100	--	6,400	--	--	--	--	--
				03/31/05	14.15	18.56	2.01	0.00	--	--	<1300	--	<0.50	<0.50	<0.50	<1.0	--	1,600	--	--	--	--	--
				09/30/05	16.91	15.80	-2.76	0.00	--	--	900	--	<0.50	<0.50	<0.50	<1.0	--	3,800	--	--	--	--	--
				03/27/06	13.94	18.77	2.97	0.00	--	--	870	--	<0.50	<0.50	<0.50	<1.0	--	2,000	--	--	--	--	--
				09/27/06	16.91	15.80	-2.97	0.00	--	--	<1000	--	<10	<10	<10	<10	--	1,600	--	--	--	--	--
				03/27/07	17.15	15.56	-0.24	0.00	--	--	1,500	--	<2.5	<2.5	<2.5	<2.5	--	1,700	--	--	--	--	--
				09/28/07	18.13	14.58	-0.98	0.00	--	--	590	--	<5.0	<5.0	<5.0	<5.0	--	1,400	--	--	--	--	--
				03/26/08	17.66	15.05	0.47	0.00	--	--	390	--	<0.50	<0.50	<0.50	<1.0	--	1,400	--	--	--	--	--
				07/28/08	18.34	14.37	-0.68	0.00	--	--	480	--	<1.0	<1.0	<1.0	<2.0	--	950	--	--	--	--	--
				01/26/09	18.80	13.91	-0.46	0.00	--	--	500	--	<0.50	<0.50	<0.50	<1.0	--	830	--	--	--	--	--
MW-5			--	10/19/92	--	--	--	--	--	--	--	2,700	61	5.0	100	61	--	--	--	--	--	--	--
			33.25	12/21/92	19.75	13.50	--	--	--	--	--	1,700	51	4.7	83	34	--	--	--	--	--	--	--
				04/28/93	--	--	--	--	--	--	--	6,700	200	190	250	430	--	--	--	--	--	--	--
				07/23/93	18.74	14.51	--	--	--	--	--	2,000	122	8	68	47	--	--	--	--	--	--	--
			32.95	10/05/93	18.83	14.12	-0.39	--	--	--	--	1,700	70	6.2	54	40	--	--	--	--	--	--	--
				01/03/94	19.05	13.90	-0.22	--	--	--	--	1,500	44	<5	42	46	--	--	--	--	--	--	--
				04/02/94	18.68	14.27	0.37	--	--	--	--	1,800	46	5.1	38	35	--	--	--	--	--	--	--
				07/05/94	17.90	15.05	0.78	--	--	--	--	2,200	97	8.4	37	36	--	--	--	--	--	--	--
				10/06/94	19.37	13.58	-1.47	--	--	--	--	1,600	79	5.7	28	22	--	--	--	--	--	--	--
				01/02/95	17.92	15.03	1.45	--	--	--	--	1,700	50	8.6	30	28	--	--	--	--	--	--	--
				04/03/95	16.15	16.80	1.77	--	--	--	--	5,400	190	240	170	420	--	--	--	--	--	--	--
				07/14/95	17.18	15.77	-1.03	--	--	--	--	3,800	210	100	130	190	--	--	--	--	--	--	--
				10/10/95	18.15	14.80	-0.97	--	--	--	--	1,300	92	14	15	39	1,100	--	--	--	--	--	--
				01/03/96	18.20	14.75	-0.05	--	--	--	--	630	53	4.4	8.3	13	--	--	--	--	--	--	--
				04/10/96	16.05	16.90	2.15	--	--	--	--	500	25	18	7	20	640	--	--	--	--	--	--
				07/09/96	17.11	15.84	-1.06	--	--	--	--	1,000	44	20	10	34	150	--	--	--	--	--	--
				01/24/97	16.36	16.59	0.75	0.00	--	--	--	4,000	190	400	160	430	600	--	--	--	--	--	--
				07/23/97	18.08	14.87	-1.72	0.00	--	--	--	1,700	200	23	18	45	2,500	--	--	--	--	--	--
				01/26/98	16.27	16.68	1.81	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				07/03/98	17.27	15.68	-1.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				01/14/99	17.55	15.40	-0.28	--	--	--	--	330	61	4.10	2.2	2.9	560	--	--	--	--	--	--
				07/15/99	16.41	16.54	1.14	--	--	--	--	1,100	170	<10	<10	27.0	660	--	--	--	--	--	--
				01/07/00	17.85	15.10	-1.44	--	--	--	--	1,000	180	6.3	<5.0	14.0	430	--	--	--	--	--	--
				07/19/00	18.87	14.08	-1.02	--	--	--	--	2,980	289	57.3	65.3	43.4	976	--	--	--	--	--	--
				01/02/01	18.47	14.48	0.40	--	--	--	--	1,150	87.2	17.8	7.97	9.32	368	--	--	--	--	--	--
				05/23/01	17.38	15.57	1.09	--	--	--	--	840	42	10	13	7.1	130	--	--	--	--	--	--
				07/30/01	17.12	15.83	0.26	--	--	--	--	1,900	82	24	6.9	13	370	--	--	--	--	--	--
				10/15/01	17.33	15.62	-0.21	--	--	--	--	26,000	390	230	58	1300	<500	--	--	--	--	--	--
				01/14/02	15.33	17.62	2.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL AND MONITORING DATA
76 Station 0752
800 Harrison Street
Oakland, California

Sample ID	Sample Depth	As- Built Screen Interval (feet below TOC)	TOC Elevation (feet)	Date Sampled	Depth to GW (feet, below TOC)	GW Elevation (feet)	GW Elevation Change (feet)	NAPL Thickness	TOG (µg/l)	TPHd (µg/l)	TPH-G by GC/MS (µg/l)	TPPH (µg/l)	BTEX				MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	DIPE (µg/l)	ETBE (µg/l)	Ethanol (µg/l)	TAME (µg/l)	TBA (µg/l)
													Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)							
MW-5 (Cont.)				04/15/02	15.89	17.06	-0.56	--	--	--	--	310	20	6.7	11	7.70	77	--	--	--	--	--	--
				07/15/02	16.21	16.74	-0.32	--	--	--	--	1,500	40	22.00	60	28	170	--	--	--	--	--	--
				01/18/03	15.68	17.27	0.53	--	--	--	--	<50	0.75	<0.50	<0.50	<1.0	81	--	--	--	--	--	--
				07/11/03	16.29	16.66	-0.61	--	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	3.6	--	--	--	--	--
				02/04/04	16.08	16.87	0.21	0.00	--	--	82	--	16	1.6	0.65	<1.0	--	16	--	--	--	--	--
				08/11/04	16.38	16.57	-0.30	0.00	--	--	900	--	81	14	2.8	11	--	120	--	--	--	--	--
				03/31/05	14.30	18.65	2.08	0.00	--	--	5,000	--	160	84	65	72	--	140	--	--	--	--	--
				09/30/05	16.19	16.76	-1.89	0.00	--	--	1,200	--	26	5.8	2.4	9.2	--	38	--	--	--	--	--
				03/27/06	13.90	19.05	2.29	0.00	--	--	1,100	--	13	12	4.7	16	--	8.8	--	--	--	--	--
				09/27/06	17.06	15.89	-3.16	0.00	--	--	1,300	--	20	11	2.3	15	--	21	--	--	--	--	--
				03/27/07	17.43	15.52	-0.37	0.00	--	--	960	--	15	8	2.2	11	--	14	--	--	--	--	--
				09/28/07	18.25	14.70	-0.82	0.00	--	--	1,300	--	13	6	2.3	15	--	8.4	--	--	--	--	--
				03/26/08	17.82	15.13	0.43	0.00	--	--	1,200	--	7.6	3.3	1.8	11	--	2.7	--	--	--	--	--
				07/28/08	18.70	14.25	-0.88	0.00	--	--	2,000	--	12	4.9	3.2	17	--	<0.50	--	--	--	--	--
				01/26/09	19.25	13.70	-0.55	0.00	--	--	1,400	--	7.4	3.3	2.5	11	--	3.3	--	--	--	--	--
MW-6			--	10/19/92	--	--	--	--	--	--	--	3,900	420	12	60	28	--	--	--	--	--	--	--
			32.42	12/21/92	19.17	13.25	--	--	--	--	--	2,300	370	11	39	15	--	--	--	--	--	--	--
				04/28/93	--	--	--	--	--	--	--	1,200	54	1.50	11	5.3	--	--	--	--	--	--	--
				07/23/93	18.17	14.25	--	--	--	--	--	580	19	0.99	3.40	2.7	--	--	--	--	--	--	--
			32.16	10/05/93	18.35	13.81	-0.44	--	--	--	--	1,400	34	<0.5	5.30	7.3	--	--	--	--	--	--	--
				01/03/94	18.54	13.62	-0.19	--	--	--	--	1,400	57	<5	8.50	11	--	--	--	--	--	--	--
				04/02/94	18.15	14.01	0.39	--	--	--	--	5,300	<25	<25	<25	<25	--	--	--	--	--	--	--
				07/05/94	17.25	14.91	0.90	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/06/94	18.85	13.31	-1.60	--	--	--	--	11,000	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				01/02/95	17.51	14.65	1.34	--	--	--	--	550	18	0.92	2.00	1.80	--	--	--	--	--	--	--
				04/03/95	15.48	16.68	2.03	--	--	--	--	6,600	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				07/14/95	16.63	15.53	-1.15	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/10/95	17.68	14.48	-1.05	--	--	--	--	<50	81	<0.50	<0.50	<0.50	75,000	--	--	--	--	--	--
				01/03/96	17.66	14.50	0.02	--	--	--	--	70	9.9	0.58	<0.50	0.81	--	--	--	--	--	--	--
				04/10/96	15.56	16.60	2.10	--	--	--	--	300	258	4.7	0.94	2.70	53,000	--	--	--	--	--	--
				07/09/96	16.59	15.57	-1.03	--	--	--	--	1,800	410	<0.50	12	<0.50	76,000	--	--	--	--	--	--
				01/24/97	15.69	16.47	0.90	0.00	--	--	--	<50	0.8	<0.50	<0.50	<0.50	390	--	--	--	--	--	--
				07/23/97	17.53	14.63	-1.84	0.00	--	--	--	5,700	1,100	240	240	700.00	16,000	--	--	--	--	--	--
				01/26/98	15.44	16.72	2.09	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50		--	--	--	--	--	--
				07/03/98	16.58	15.58	-1.14	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				01/14/99	17.02	15.14	-0.44	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	14	--	--	--	--	--	--
				07/15/99	15.95	16.21	1.07	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	2.80	--	--	--	--	--	--
				01/07/00	16.96	15.20	-1.01	--	--	--	--	78	24	<0.50	0.66	17	280	--	--	--	--	--	--
				07/19/00	18.04	14.12	-1.08	--	--	--	--	<50.0	<0.500	1.32	<0.500	0.97	<5.00	--	--	--	--	--	--
				01/02/01	18.10	14.06	-0.06	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--	--	--	--	--
				05/23/01	16.42	15.74	1.68	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
				07/30/01	16.49	15.67	-0.07	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				10/15/01	16.67	15.49	-0.18	--	--	--	--	<50	<0.50	0.62	<0.50	<0.50	<5.0	--	--	--	--	--	--
				01/14/02	14.60	17.56	2.07	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				04/15/02	15.07	17.09	-0.47	--	--	--	--	<50	<0.50	<0.50	<0.50	0.73	<5.0	--	--	--	--	--	--
				07/15/02	15.56	16.60	-0.49	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--	--
				01/18/03	15.80	16.36	-0.24	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--	--	--	--
				07/11/03	15.74	16.42	0.06	--	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--
				02/04/04	15.49	16.67	0.25	0.00	--	--	<50	--	2.6	<0.50	<0.50	<1.0	--	2.40	--	--	--	--	--
				08/11/04	15.81	16.35	-0.32	0.00	--	--	7,900	--	95	<50	<50	<100	--	9,100	--	--	--	--	--
				03/31/05	13.70	18.46	2.11	0.00	--	--	<5000	--	2.5	<0.50	<0.50	<1.0	--	7,600	--	--	--	--	--
				09/30/05	15.48	16.68	-1.78	0.00	--	--	4,300	--	140	37	28	41.00	--	5,800	--	--	--	--	--
				03/27/06	13.02	19.14	2.46	0.00	--	--	7,200	--	34	0.66	0.96	18.00	--	9,900	--	--	--	--	--
				09/27/06	16.56	15.60	-3.54	0.00	--	--	1,800	--	<12	<12	<12	<12	--	3,300	--	--	--	--	--
				03/27/07	16.73	15.43	-0.17	0.00	--	--	1,600	--	2.8	<2.5	<2.5	<2.5	--	1,800	--	--	--	--	--
				09/28/07	17.75	14.41	-1.02	0.00	--	--	830	--	<5.0	<5.0	<5.0	<5.0	--	1,600	--	--	--	--	--
				03/26/08	17.31	14.85	0.44	0.00	--	--	940	--	45	5.90	2.00	5.30	--	1,300	--	--	--	--	--
				07/28/08	18.50	13.66	-1.19	0.00	--	--	500	--	<1.0	<1.0	<1.0	<2.0	--	750	--	--	--	--	--
				01/26/09	18.46	13.70	0.04	0.00	--	--	570	--	<0.50	<0.50	<0.50	<1.0	--	500	--	--	--	--	--
MW-7			--	10/19/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			32.49	04/28/93	--	--	--	--	--	--	--	110	2.8	1.30	1.4	1.7	--	--	--	--	--	--	--
				07/23/93	18.60	13.89	--	--	--	--	--	790	23	3.30	28	5.4	--	--	--	--	--	--	--
			32.20	10/05/93	18.76	13.44	-0.45	--	--	--	--	360	10	1.20	0.91	0.99	--	--	--	--	--	--	--
				01/03/94	18.91	13.29	-0.15	--	--	--	--	<50	0.93	<0.5	0.75	1.9	--	--	--	--	--	--	--
				04/02/94	18.50	13.70	0.41	--	--	--	--	360	2.0	<0.5	<0.5	0.8	--	--	--	--	--	--	--
				07/05/94	17.52	14.68	0.98	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/06/94	19.25	12.95	-1.73	--	--	--	--	340	5.6	0.85	<0.50	1.2	--	--	--	--	--	--	--
				01/02/95	17.67	14.53	1.58	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				04/03/95	15.81	16.39	1.86	--	--	--	--	570	24	<0.50	3.4	5.8	--	--	--	--	--	--	--
				07/14/95	17.05	15.15	-1.24	--	--	--	--	<50	14	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				10/10/95	18.08	14.12	-1.03	--	--	--	--	740	170	<0.50	<0.50	<0.50	13,000	--	--	--	--	--	--
				01/03/96	18.02	14.18	0.06	--	--	--	--	360	16	1.3	2.7	1.4	--	--	--	--	--	--	--
				04/10/96	15.81	16.39	2.21	--	--	--	--	120	4.1	1.50	<0.50	0.88	3,200	--	--	--	--	--	--
				07/09/96	16.99	15.21	-1.18	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	3,400	--	--	--	--	--	--
				01/24/97	16.08	16.12	0.91	0.00	--	--	--	<50	16	<0.50	<0.50	<0.50	6,600	--	--	--	--	--	--
				07/23/97	17.99	14.21	-1.91	0.00	--	--	--	<50	1.5	<0.50	<0.50	0.62	10,000	--	--	--	--	--	--
				01/26/98	15.56	16.64	2.43	--	--	--	--	<50	<0.50	<0.50	<0.50	0.56	<2.5	--	--	--	--	--	--
				07/03/98	17.04	15.16	-1.48	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				01/14/99	--	--	--	--					Inaccessible-parked car										

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL AND MONITORING DATA
76 Station 0752
800 Harrison Street
Oakland, California

Sample ID	Sample Depth	As- Built Screen Interval (feet below TOC)	TOC Elevation (feet)	Date Sampled	Depth to GW (feet, below TOC)	GW Elevation (feet)	GW Elevation Change (feet)	NAPL Thickness	TOG (µg/l)	TPHd (µg/l)	TPH-G by GC/MS (µg/l)	TPPH (µg/l)	BTEX				MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	DIPE (µg/l)	ETBE (µg/l)	Ethanol (µg/l)	TAME (µg/l)	TBA (µg/l)
													Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)							
MW-7 (Cont.)				07/15/99	15.72	16.48	--	--	--	--	<50	<50	<0.50	<0.50	<0.50	<0.50	290	--	--	--	--	--	--
				01/07/00	16.80	15.40	-1.08	--	--	--	<50	<50	7.7	<0.50	<0.50	4.4	98	--	--	--	--	--	--
				07/19/00	17.88	14.32	-1.08	--	--	--	<50.0	<0.500	1.27	<0.500	0.98	<5.00	--	--	--	--	--	--	--
				01/02/01	17.97	14.23	-0.09	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--	--	--	--	--	--
				05/23/01	16.81	15.39	1.16	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
				07/30/01	16.79	15.41	0.02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--
				10/15/01	16.98	15.22	-0.19	--	--	--	<50	<0.50	0.58	<0.50	<0.50	<5.0	--	--	--	--	--	--	--
				01/14/02	14.85	17.35	2.13	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--
				04/15/02	15.29	16.91	-0.44	--	--	--	<50	<0.50	<0.50	<0.50	0.70	<5.0	--	--	--	--	--	--	--
				07/15/02	15.92	16.28	-0.63	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--	--	--
				01/18/03	15.11	17.09	0.81	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--	--	--	--	--
				07/11/03	15.89	16.31	-0.78	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	19	--	--	--	--	--	--
				02/04/04	15.90	16.30	-0.01	0.00	--	<50	--	3.6	<0.50	<0.50	<1.0	--	3.2	--	--	--	--	--	--
				08/11/04	16.12	16.08	-0.22	0.00	--	<5000	--	120	<50	<50	<100	--	5,100	--	--	--	--	--	--
				03/31/05	13.99	18.21	2.13	0.00	--	<5000	--	190	<50	<50	<100	--	8,400	--	--	--	--	--	--
				09/30/05	15.93	16.27	-1.94	0.00	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--	--
				03/27/06	13.40	18.80	2.53	0.00	--	2,500	--	160	10.00	11.00	26.00	--	5,600	--	--	--	--	--	--
				09/27/06	16.96	15.24	-3.56	0.00	--	2,800	--	180	<12	15.00	44.00	--	4,200	--	--	--	--	--	--
				03/27/07	17.30	14.90	-0.34	0.00	--	920	--	66	2.90	3.40	4.50	--	970	--	--	--	--	--	--
				09/28/07	18.10	14.10	-0.80	0.00	--	4,000	--	440	15.00	17.00	59.00	--	3,300	--	--	--	--	--	--
				03/26/08	17.64	14.56	0.46	0.00	--	390	--	39	3.30	0.85	7.50	--	96	--	--	--	--	--	--
				07/28/08	18.50	13.70	-0.86	0.00	--	64	--	3.3	<0.50	<0.50	<1.0	--	9	--	--	--	--	--	--
				01/26/09	18.90	13.30	-0.40	0.00	--	80	--	7.9	0.58	<0.50	<1.0	--	10	--	--	--	--	--	--
MW-8			32.33	04/28/93	--	--	--	--	--	--	--	450	18	1.80	1.80	1.40	--	--	--	--	--	--	--
				07/23/93	18.45	13.88	--	--	--	--	--	260	5.1	<0.5	0.60	<0.5	--	--	--	--	--	--	--
			32.00	10/05/93	18.57	13.43	-0.45	--	--	--	--	120	1.7	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
				01/03/94	18.73	13.27	-0.16	--	--	--	--	<50	0.93	<0.50	<0.50	<0.50	51.00	--	--	--	--	--	--
				04/02/94	18.30	13.70	0.43	--	--	--	--	150	1.2	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				07/05/94	17.41	14.59	0.89	--	--	--	--	730	17	<0.50	1.60	<0.50	--	--	--	--	--	--	--
				10/06/94	18.98	13.02	-1.57	--	--	--	--	140	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				01/02/95	17.58	14.42	1.40	--	--	--	--	440	18	0.72	2.00	1.80	--	--	--	--	--	--	--
				04/03/95	15.54	16.46	2.04	--	--	--	--	960	11	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
				07/14/95	16.81	15.19	-1.27	--	--	--	--	280	4.2	2.60	1.10	3.30	--	--	--	--	--	--	--
				10/10/95	17.85	14.15	-1.04	--	--	--	--	110	1.3	0.62	0.67	<0.50	170	--	--	--	--	--	--
				01/03/96	17.82	14.18	0.03	--	--	--	--	63	<0.50	0.51	<0.50	1.80	--	--	--	--	--	--	--
				04/10/96	15.70	16.30	2.12	--	--	--	--	<50	1.1	0.61	<0.50	<0.50	60	--	--	--	--	--	--
				07/09/96	16.78	15.22	-1.08	--	--	--	--	72.00	1	<0.50	<0.50	<0.50	140	--	--	--	--	--	--
				01/24/97	15.79	16.21	0.99	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	76	--	--	--	--	--	--
				07/23/97	17.69	14.31	-1.90	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	270	--	--	--	--	--	--
				01/26/98	15.50	16.50	2.19	--	--	--	--	<50	<0.50	<0.50	<0.50	0.76	2.9	--	--	--	--	--	--
				07/03/98	16.80	15.20	-1.30	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				01/14/99	17.13	14.87	-0.33	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	11.00	--	--	--	--	--	--
				07/15/99	15.85	16.15	1.28	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				01/07/00	16.94	15.06	-1.09	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	11.00	--	--	--	--	--	--
				07/19/00	18.06	13.94	-1.12	--	--	--	--	<50.0	<0.500	2.99	0.52	<0.500	<5.00	--	--	--	--	--	--
				01/02/01	18.12	13.88	-0.06	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--	--	--	--	--	--
				05/23/01	16.96	15.04	1.16	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
				07/30/01	16.52	15.48	0.44	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	2.70	--	--	--	--	--	--
				10/15/01	16.72	15.28	-0.20	--	--	--	--	<50	<0.50	0.65	<0.50	<0.50	<5.0	--	--	--	--	--	--
				01/14/02	14.53	17.47	2.19	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
				04/15/02	14.96	17.04	-0.43	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
				07/15/02	15.60	16.40	-0.64	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	11.00	--	--	--	--	--	--
				01/18/03	14.78	17.22	0.82	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--	--	--	--
				02/04/04	15.65	16.35	-0.87	0.00	--	--	52	--	2.3	<0.50	<0.50	<1.0	--	2.4	--	--	--	--	--
				08/11/04	15.86	16.14	-0.21	0.00	--	--	350	--	<2.5	<2.5	<2.5	<5.0	--	310	--	--	--	--	--
				03/31/05	13.73	18.27	2.13	0.00	--	--	<2000	--	<0.50	<0.50	<0.50	<1.0	--	2100	--	--	--	--	--
				09/30/05	15.94	16.06	-2.21	0.00	--	--	1200	--	<0.50	0.50	<0.50	<1.0	--	6900	--	--	--	--	--
				03/27/06	13.13	18.87	2.81	0.00	--	--	460	--	<0.50	<0.50	<0.50	<1.0	--	820	--	--	--	--	--
				09/27/06	16.75	15.25	-3.62	0.00	--	--	520	--	<5.0	<5.0	<5.0	8.20	--	870	--	--	--	--	--
				03/27/07	16.87	15.13	-0.12	0.00	--	--	1400	--	<0.50	<0.50	<0.50	<0.50	--	3600	--	--	--	--	--
				09/28/07	17.91	14.09	-1.04	0.00	--	--	280	--	<2.5	<2.5	<2.5	<2.5	--	670	--	--	--	--	--
				03/26/08	17.45	14.55	0.46	0.00	--	--	110	--	<0.50	<0.50	<0.50	<1.0	--	210	--	--	--	--	--
				07/28/08	18.50	13.50	-1.05	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	11	--	--	--	--	--
				01/26/09	18.65	13.35	-0.15	0.00	--	--	<50	--	<0.50	<0.50	<0.50	<1.0	--	22	--	--	--	--	--

Notes:

--	Not analyzed/applicable/measured	DIPE	Di-isopropyl ether	TBA	Tertiary butyl alcohol
<	Indicates less than laboratory reporting limits	GW	Groundwater	TOC	Top of casing
bgs	Below ground surface	GC/MS	Constituent analyzed by EPA Method 8260B	TOG	Total oil and grease
µg/L	Micrograms per liter	MTBE	Methyl tertiary butyl ether	TPHd	Total petroleum hydrocarbons as diesel
EPA	Environmental protection agency	NAPL	Non aqueous phase liquid	TPH-G	Total petroleum hydrocarbons as gasoline
ETBE	Ethyl tertiary butyl ether	TAME	Tertiary amyl methyl ether	TPPH	Total purgeable petroleum hydrocarbons

Elevations are measured in feet above mean sea level. Depths are measured in feet below TOC.
Comments stated on tables are general. Additional explanations may be found in field notes or laboratory reports included within this report.
Additional laboratory flags or qualifiers may have been reported by the laboratory. See official laboratory reports for a complete list flags or qualifiers.

T. 3

Groundwater Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

WELL ID	DATE	TOG (ppm)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
MW-1	06/05/91	ND	ND	0.0083	0.011	0.063	0.023
	09/30/91	ND	ND	0.019	ND	ND	0.11
	12/30/91	ND	ND	0.0078	0.0057	ND	0.046
	04/02/92	ND	ND	0.015	0.016	ND	0.02
	06/30/92	ND	ND	0.079	0.009	0.1	0.087

EXPLANATIONS:

Groundwater analytical results were compiled from reports prepared by MPDS Services, Inc.

TOG = Total Oil and Grease
ppm = Parts per million
ND = Not Detected

Table 4

Groundwater Analytical Results

Tosco (Unocal) Service Station #0752

800 Harrison Street

Oakland, California

WELL ID	DATE	BOD (ppm)	Bicarbonate Alkalinity (ppm)	Calcium (ppm)	Iron (ppm)	Manganese (ppm)	Nitrate (ppm)	Sulfate (ppm)	Heterotrophic Plate Count (CFU/mL)
MW-1	04/10/96	--	160	21	15	2.6	--	--	--
MW-2	01/03/96	2.2	130	27	77	3.0	0.22	97	>5,700
	04/10/96	--	460	58	60	7.0	--	--	--
MW-3	01/03/96	4.3	430	43	61	5.4	0.23	16	350
	04/10/96	--	360	40	60	3.7	--	--	--
MW-4	01/03/96	ND	120	20	61	3.3	10	44	1,000
	04/10/96	--	160	25	43	2.0	--	--	--
MW-5	01/03/96	3.4	240	31	80	3.3	ND	17	>5,700
	04/10/96	--	240	22	18	2.4	--	--	--
MW-6	04/10/96	--	240	35	61	3.7	--	--	--
MW-7	04/10/96	--	210	44	120	4.8	--	--	--
MW-8	01/03/96	ND	310	37	62	3.3	0.57	20	>5,700
	04/10/96	--	380	37	63	3.6	--	--	--

EXPLANATIONS:

Groundwater analytical results were compiled from reports prepared by MPDS Services, Inc.

BOD = Biochemical Oxygen Demand

ppm = Parts per million

CFU/mL = Colony Forming Units per milliliter

-- = Not Analyzed

ND = Not Detected

726 HARRISON STREET
OAKLAND, CALIFORNIA

TABLE ONE

Groundwater Elevation Data

Yee Property

726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Groundwater	Groundwater Elevation (project data)
MW-1	1.	31.95'	1 2	14.63
			2	16.43
				15.05
			9	56
			3	1
				4
				3
				7
			1	
		28.98	17.3	1
			15.4	
			15.7	
			16.1	
			16.7	
			16.2	
			16.56	3
			16.42	13 3
			16.88	1
			16.10	3
			15.43	1 5
			16.4	1 7
			17.73	
			15.0	3
			14.9	3
			16.3	2
	5		17.8	1
			15.8	
			13.2	1 4
			15.6	4
			17	
	1			2
				3
				3
	1			3
	2			10.77
			1	10.13
	1			
	1/26/09		19.17	9.81

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater [illegible]
MW-2	[illegible]	32.40*	18.03	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		17.72	[illegible]
	[illegible]		inaccessible	
	[illegible]		inaccessible	
	[illegible]		inaccessible	
	[illegible]		17.67	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]	29.44	[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	
	[illegible]		[illegible]	12.13
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		17.25	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		16.53	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		inaccessible	
	[illegible]		18.63	[illegible]
	[illegible]		19.04	[illegible]
	[illegible]		inaccessible	
	[illegible]		20.01	9.43
	1/26/09		**19.84**	***9.60***

TABLE ONE

Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-3	[illegible]	31.6[illegible]	17.26	14.35
	[illegible]		15.47	16.14
	[illegible]		16.92	14.69
	[illegible]		[illegible]	14.21
	[illegible]		[illegible]	13.60
	[illegible]		16.15	15.46
			[illegible]	14.76
	[illegible]		[illegible]	13.54
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]	28.64	[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		15.32	[illegible]
	[illegible]		16.15	[illegible]
	[illegible]		16.67	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		16.49	12.15
	[illegible]		16.42	[illegible]
	[illegible]		16.80	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		14.94	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	1/26/09		**19.06**	**9.58**

TABLE ONE

Groundwater Elevation Data

Yee Property

726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-4	12/	32.53		
				15
				14
		29.58	1 1	11.87
			5	13.73
4/			4	13.44
			16.56	13.02
			17.09	
			16.65	
4/			16.9	
7/12			16.7	
			17.2	
			16.3	
			15.64	
			16.5	
			Inaccessible	
			14.90	
			15.18	14.40
			16.48	13.10
1			16.99	12.59
			15 8	14.49
			13 9	16.09
7/			1 9	14.59
			9	12.29
1				11.41
			1	11.52
			15	11.13
1			19	10.59
			18.14	11.44
			18.49	11.09
			19.15	10.43
10/			19.53	10.05
1/26/09			**19.52**	**10.06**

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project datum)
MW-5	[illegible]	29.06	[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		15.41	[illegible]
	[illegible]		16.79	[illegible]
	[illegible]		17.28	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		16.14	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
	[illegible]		[illegible]	9.83
	[illegible]		[illegible]	9.44
	1/26/09		**19.51**	**9.55**

* Top of casing elevation relative to arbitrary project datum

TABLE TWO

Groundwater Elevation Data

Former ARCO Station

706 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation* (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-1	7/18/03	29.15	14.50	14.65
	10/9/03	26.17	13.81	12.36
	1/28/04		13.09	13.08
	4/7/04		14.97	11.20
	7/23/04		14.15	12.02
	10/12/04		16.30	9.87
	4/27/05		13.35	12.82
	7/19/05		14.68	11.49
	10/18/05		15.15	11.02
	1/23/06		13.27	12.90
	4/12/06		12.33	13.84
	7/10/06		14.93	11.24
	10/16/06		16.51	9.66
	1/26/07		16.87	9.30
	4/18/07		16.77	9.40
	8/2/07		17.21	8.96
	10/23/07		17.67	8.50
	1/30/08		16.66	9.51
	4/18/08		17.14	9.03
	7/28/08		17.70	8.47
	12/5/08		18.22	7.95
	1/26/09		**17.84**	**8.33**
MW-2	7/18/03	30.51	16.84	13.67
	10/9/03	27.53	16.05	11.48
	1/28/04		15.39	12.14
	4/7/04		16.01	11.52
	7/23/04		15.30	12.23
	10/12/04		17.87	9.66
	4/27/05		14.63	12.90
	7/19/05		15.60	11.93
	10/18/05		16.08	11.45
	1/23/06		14.20	13.33
	4/12/06		12.51	15.02
	7/10/06		14.76	12.77
	10/16/06		16.74	10.79
	1/26/07		17.10	10.43
	4/18/07		17.02	10.51
	8/2/07		17.47	10.06
	10/23/07		17.94	9.59
	1/30/08		16.99	10.54
	4/18/08		17.41	10.12
	7/28/08		17.99	9.54
	12/5/08		18.56	8.97
	1/26/09		**18.20**	**9.33**

TABLE TWO
Groundwater Elevation Data
Former ARCO Station
706 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation* (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-3	7/18/03	29.77	14.80	14.97
	10/9/03	26.79	14.13	12.66
	1/28/04		13.47	13.32
	4/7/04		15.41	11.38
	7/23/04		14.54	12.25
	10/12/04		16.58	10.21
	4/27/05		13.68	13.11
	7/19/05		15.15	11.64
	10/18/05		15.60	11.19
	1/23/06		11.94	14.85
	4/12/06		11.94	14.85
	7/10/06		14.48	12.31
	10/16/06		16.19	10.60
	1/26/07		16.56	10.23
	4/18/07		16.45	10.34
	8/2/07		16.92	9.87
	10/23/07		17.42	9.37
	1/30/08		16.45	10.34
	4/18/08		16.87	12.90
	7/28/08		17.41	12.36
	12/5/08		17.89	8.90
	1/26/09		**17.50**	**9.29**
MW-4	7/18/03	31.18	17.08	14.10
	10/9/03	28.20	16.25	11.95
	1/28/04		15.65	12.55
	4/7/04		16.49	11.71
	7/23/04		15.86	12.34
	10/12/04		18.05	10.15
	4/27/05		14.20	14.00
	7/19/05		16.08	12.12
	10/18/05		16.55	11.65
	1/23/06		14.66	13.54
	4/12/06		12.92	15.28
	7/10/06		15.38	12.82
	10/16/06		17.21	10.99
	1/26/07		17.58	10.62
	4/18/07		17.46	10.74
	8/2/07		17.95	10.25
	10/23/07		18.41	9.79
	1/30/08		17.49	10.71
	4/18/08		17.90	10.30
	7/28/08		18.49	9.71
	12/5/08		19.07	9.13
	1/26/09		**18.71**	**9.49**

TABLE TWO
Groundwater Elevation Data
Former ARCO Station
706 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation* (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-5	7/18/03	28.04	14.28	13.76
	10/9/03	25.07	13.36	11.71
	1/28/04		12.68	12.39
	4/7/04		14.71	10.36
	7/23/04		13.49	11.58
	10/12/04		15.88	9.19
	4/27/05		13.40	11.67
	7/19/05		14.21	10.96
	10/18/05		14.79	10.38
	1/23/06		13.12	[illegible]
	4/12/06		11.39	[illegible]
	7/10/06		14.40	[illegible]
	10/16/06		15.44	9.[illegible]
	1/26/07		15.76	9.51
	4/18/07		15.61	9.46
	8/2/07		16.04	9.03
	10/23/07		16.89	8.18
	1/30/08		15.61	9.46
	4/18/08		15.99	9.08
	7/28/08		16.45	8.62
	12/5/08		16.94	8.13
	1/26/09		**16.54**	**8.53**
MW-6	7/18/03	29.10	15.47	13.63
	10/9/03	26.13	14.73	11.40
	1/28/04		14.05	12.08
	4/7/04		14.41	11.72
	7/23/04		15.15	10.98
	10/12/04		17.27	8.86
	4/27/05		14.10	12.03
	7/19/05		15.18	10.95
	10/18/05		15.65	10.48
	1/23/06		14.02	12.11
	4/12/06		12.66	13.47
	7/10/06		14.64	11.49
	10/16/06		16.50	9.63
	1/26/07		16.83	9.30
	4/18/07		16.72	9.41
	8/2/07		17.13	9.00
	10/23/07		17.71	8.42
	1/30/08		16.54	9.59
	4/18/08		17.02	12.08
	7/28/08		17.50	8.63
	12/5/08		17.89	8.24
	1/26/09		**17.61**	**8.52**

TABLE TWO

Groundwater Elevation Data

Former ARCO Station

706 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation* (Relative to Mean Sea Level)	[illegible] to [illegible]	Groundwater Elevation (project data)
MW-7	7/18/03		15.[illegible]	14.48
	10/9/03	26.70	14.45	12.25
	1/28/04		13.88	12.82
	4/7/04		15.71	10.99
	7/23/04		[illegible]4.85	11.85
	10/12/04		[illegible]6.90	9.80
	4/27/05		13.75	12.95
	7/19/05		14.91	11.79
	10/18/05		[illegible]5.40	11.30
	1/23/06		13.99	12.71
	4/12/06		12.32	14.38
	7/10/06		14.31	12.39
	10/16/06		16.23	10.47
	1/26/07		16.61	10.09
	4/18/07		16.54	10.16
	8/2/07		16.93	9.77
	10/23/07		17.36	9.34
	1/30/08		16.36	10.34
	4/18/08		16.85	9.85
	7/28/08		17.43	9.27
	12/5/08		17.91	8.79
	1/26/09		**17.65**	**9.05**

TABLE THREE

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1						
7/3/97	18,000	2,700	350	450	900	7,400
12/5/98	18,000	1,500	270	260	560	14,000
3/4/99	44,000	2,800	400	440	960	43,000
6/17/99	33,000	2,200	250	460	660	25,000
8/27/99	6,000	1,000	97	190	230	14,000/ 16,000*
12/9/99	15,000	1,500	160	220	420	17,000
3/7/00	9,300	1,500	210	66	530	12,000
6/7/00	26,000**	1,700	< 250	360	580	30,000
10/11/00	13,000**	1,600	< 100	140	160	19,000
1/18/01	14,000**	450	< 100	110	230	9,600
4/5/01	38,000	2,200	180	290	590	35,000
7/17/01	35,000**	1,800	< 100	300	170	35,000
10/5/01	17,000	1,500	210	420	790	27,000
1/18/02	18,000	1,500	120	160	220	22,000
4/11/02	41,000	2,700	210	340	380	30,000
7/8/02	36,000	2,800	140	360	300	31,000
10/9/02	30,000	1,700	310	< 100	< 100	19,000
1/29/03	26,000	2,400	< 100	310	520	20,000
4/11/03	22,000	1,700	< 100	270	580	16,000
7/18/03	40,000	3,200	290	480	830	39,000
10/9/03	54,000**	3,300	< 130	350	310	49,000
1/28/04	26,000***	3,000	310	420	800	31,000
4/7/04	33,000***	2,800	130	310	310	39,000
7/23/04	56,000***	4,500	< 250	390	< 500	53,000
10/12/04	25,000***	1,400	< 250	< 250	< 500	25,000
1/29/05	24,000	1,600	< 100	160	< 200	19,000
4/28/05	< 10,000	2,000	< 100	160	100	34,000
7/19/05	37,000	2,100	83	210	230	28,000
10/18/05	37,000	1,300	< 250	< 250	< 250	23,000
1/24/06	23,000	780	< 100	160	260	11,000
4/12/06	11,000	1,500	87	360	670	17,000
7/10/06	72,000	4,700	< 250	350	< 500	66,000
10/16/06	26,000	1,600	< 250	330	< 500	22,000
1/26/07	7,200	1,500	< 70	140	96	34,000
4/18/07	5,400	1,100	< 50	200	120	21,000
8/2/07	6,600	1,500	64	240	190	32,000
10/23/07	5,900	1,300	52	200	180	28,000
1/30/08	2,700	300	21	64	90	5,200
4/18/08	3,800	930	41	110	130	15,000
7/28/08	6,000	900	52	140	160	10,000
10/29/08	7,300	1,700	74	140	220	17,000
1/26/09	**4,900**	**720**	**48**	**140**	**180**	**6,300**

TABLE THREE

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-2						
12/5/98	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
3/4/99	Inaccessible due to car parked over well					
6/17/99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
8/27/99	Inaccessible due to car parked over well					
12/9/99	Inaccessible due to car parked over well					
3/7/00	Inaccessible due to car parked over well					
6/7/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
10/11/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
1/18/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
4/5/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
7/17/01	No longer sampled					
7/10/06	< 50	< 0.50	< 0.50	< 0.50	< 1.0	4.5
10/16/07	< 50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.5
1/26/07	< 50	0.55	1.0	< 0.50	1.4	0.97
4/18/07	< 50	1.5	2.6	0.93	3.2	0.64
8/2/07	< 50	< 0.50	< 0.50	< 0.50	< 0.50	2.2
10/23/07	Inaccessible due to car parked over well					
1/30/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	300
4/18/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	40
7/28/08	Inaccessible due to car parked over well					
10/29/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	300
1/26/09	**< 50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**120**

TABLE THREE

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-3						
12/5/98	6,500	< 50	50	60	502	3,900
3/4/99	2,800	< 25	< 25	< 25	< 25	1,600
6/17/99	1,000	< 10	< 10	< 10	< 10	1,400
8/27/99	230	< 0.5	0.51	0.5	1	1,500/ 1,600*
12/9/99	870**	< 0.5	< 0.5	< 0.5	< 0.5	2,100
3/7/00	150**	4	< 0.5	< 0.5	< 0.5	830
6/7/00	140**	< 0.5	< 0.5	< 0.5	< 0.5	1,100
10/11/00	620**	< 5.0	< 5.0	< 5.0	< 5.0	1,500
1/18/01	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	1,000
4/5/01	1,700**	< 5.0	< 5.0	< 5.0	< 5.0	1,900
7/17/01	1,400**	< 10	< 10	< 10	< 10	1,700
10/5/01	< 1,000	< 10	< 10	< 10	< 10	1,700
1/18/02	1,600	26	20	16	54	2,100
4/11/02	2,600	21	16	< 10	21	2,300
7/8/02	2,800	< 10	< 10	< 10	< 10	3,800
10/9/02	6,000	< 50	< 50	< 50	< 50	4,900
1/29/03	1,800	< 10	< 10	< 10	< 10	2,300
4/11/03	2,900	< 25	< 25	< 25	< 25	3,100
7/18/03	3,400	< 10	< 10	< 10	< 10	3,200
10/9/03	2,300	< 10	< 10	< 10	< 10	2,700
1/28/03	1,700**	< 10	< 10	< 10	< 10	2,900
4/7/04	2,700**	< 10	< 10	< 10	< 20	3,600
7/23/04	4,200**	< 25	< 25	< 25	< 50	4,900
10/12/04	5,000**	< 50	< 50	< 50	< 100	5,900
1/29/05	< 1,000	< 10	< 10	< 10	< 20	3,100
4/28/05	< 200	< 2.0	< 2.0	< 2.0	< 2.0	1,300
7/19/05	4,400	< 20	< 20	< 20	< 40	3,000
10/18/05	18,000	< 50	< 50	< 50	< 50	6,800
1/24/06	17,000	< 100	< 100	< 100	< 200	7,000
4/12/06	< 200	< 2.0	< 2.0	< 2.0	< 2.0	7,800
7/10/06	11,000	< 100	< 100	< 100	< 200	12,000
10/16/06	< 10,000	< 100	< 100	< 100	< 100	17,000
1/26/07	< 200	< 2.0	< 2.0	< 2.0	< 2.0	4,000
4/18/07	< 900	< 9.0	< 9.0	< 9.0	< 9.0	11,000
8/2/07	110	< 0.80	< 0.80	< 0.80	2.0	410
10/23/07	< 80	< 0.80	< 0.80	< 0.80	< 0.80	480
1/30/08	< 80	< 0.80	< 0.80	< 0.80	< 0.80	430
4/18/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	350
7/28/08	61	< 0.50	< 0.50	< 0.50	< 0.50	140
10/29/08	120	< 0.50	< 0.50	< 0.50	< 0.50	640
1/26/09	**210**	**1.9**	**< 1.5**	**< 1.5**	**< 1.5**	**1,300**

TABLE THREE

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-4						
12/5/98	880	3	< 0.5	< 0.5	< 0.5	950
3/4/99	3,800	< 25	< 25	< 25	< 25	3,700
6/17/99	2,700	< 25	< 25	< 25	< 25	2,700
8/27/99	440	4.7	1.1	0.58	1.3	1,600/ 1,700*
12/9/99	1,100**	< 2.5	< 2.5	< 2.5	< 2.5	1,700
3/7/00	< 250	< 2.5	< 2.5	< 2.5	< 2.5	1,700
6/7/00	530**	8.8	< 2.5	< 2.5	< 2.5	440
10/11/00	700**	3.9	< 2.5	< 2.5	< 2.5	680
1/18/01	2,000**	< 2.5	< 2.5	< 2.5	< 2.5	780
4/5/01	810**	< 2.5	< 2.5	< 2.5	< 2.5	620
7/17/01	880**	< 2.5	< 2.5	< 2.5	< 2.5	570
10/5/01	550**	< 2.5	< 2.5	< 2.5	< 2.5	710
1/18/02	960**	< 5.0	< 5.0	< 5.0	< 5.0	1,300
4/11/02	1,100**	< 5.0	< 5.0	< 5.0	< 5.0	550
7/8/02	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	890
10/9/02	1,300**	< 5.0	< 5.0	< 5.0	< 5.0	880
1/29/03	530**	< 1.0	< 1.0	< 1.0	< 1.0	190
4/11/03	690**	< 2.5	< 2.5	< 2.5	< 2.5	310
7/18/03	1,600**	< 10	< 10	< 10	< 10	1,300
10/9/03	1500***	< 10	< 10	< 10	< 10	1,400
1/28/04	1,200**	< 10	< 10	< 10	< 10	1,900
4/7/04	1,900**	< 10	< 10	< 10	< 20	2,200
7/23/04	1,800**	< 10	< 10	< 10	< 20	1,600
10/12/04	Inaccessible due to car parked over well					
1/29/05	< 1,300	< 13	< 13	< 13	< 25	3,900
4/28/05	510	< 1.5	< 1.5	< 1.5	< 1.5	510
7/19/05	5,400	< 50	< 50	< 50	< 100	2,700
10/18/05	10,000	< 50	< 50	< 50	< 50	9,000
1/24/06	10,000	< 100	< 100	< 100	< 200	8,300
4/12/06	1,900	< 10	< 10	< 10	< 20	2,200
7/10/06	750	5.4	< 5.0	< 5.0	< 10	790
10/16/06	2,400	< 10	< 10	< 10	< 10	2,200
1/26/07	250	< 1.5	< 1.5	< 1.5	< 1.5	7,000
4/18/07	< 400	< 4.0	< 4.0	< 4.0	< 4.0	2,300
8/2/07	400	< 4.0	< 4.0	< 4.0	< 4.0	4,500
10/23/07	< 500	< 5.0	< 5.0	< 5.0	< 5.0	3,400
1/30/08	580	89	1.5	< 0.90	2.5	500
4/18/08	660	13	0.58	0.51	0.94	180
7/28/08	520	19	0.97	1.4	2.6	71
10/29/08	480	38	1.8	4.5	4.3	420
1/26/09	**470**	**51**	**2.2**	**4.2**	**5.2**	**180**

TABLE THREE

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-5						
8/29/01	14,000	1,300	470	230	800	14,000
1/18/02	24,000	3,200	1,300	390	1,500	5,700
4/11/02	23,000	2,700	980	38	950	4,300
7/8/02	19,000	3,300	25	360	1,100	2,100
10/9/02	24,000	2,800	990	360	820	2,400
1/29/03	17,000	2,100	1,400	380	1,400	< 250
4/11/03	26,000	2,900	2,200	590	2,200	630
7/18/03	26,000	3,500	1,700	480	1,300	1,300
10/9/03	27,000	3,800	1,900	510	1,700	1,200
1/28/04	29,000	4,800	2,900	770	2,300	3,300
4/7/04	23,000	4,400	2,700	720	2,200	1,700
7/23/04	29,000	5,200	2,200	810	1,400	2,200
10/12/04	26,000	4,300	2,000	670	1,300	2,200
7/18/03	8,200	650	77	99	140	4,300
10/9/03	5,700**	500	28	53	35	3,600
1/28/04	17,000***	1,600	90	250	280	9,700
4/7/04			No longer sampled			
1/24/06	21,000	1,800	1,200	270	820	13,000
7/10/06	45,000	3,700	2,600	650	1,800	23,000
10/16/06	66,000	4,200	3,300	800	2,100	35,000
1/26/07	30,000	3,200	2,600	610	2,400	38,000
4/18/07	30,000	4,300	3,300	800	2,600	27,000
8/2/07	26,000	3,700	2,800	690	1,900	32,000
10/23/07	34,000	4,400	3,700	860	3,200	34,000
1/30/08	28,000	3,900	2,800	750	2,300	26,000
4/18/08	30,000	4,300	3,200	810	2,000	32,000
7/28/08	34,000	3,700	3,000	740	2,900	28,000
10/29/08	29,000	3,300	2,900	680	2,800	27,000
1/26/09	**19,000**	**2,100**	**1,500**	**410**	**1,500**	**18,000**
ESL	**100**	**1**	**40**	**30**	**20**	**5**

Notes:

* EPA Method 8020/EPA Method 8260 (MTBE confirmation)

** Hydrocarbon reported in the gasoline range does not match the laboratory gasoline standard

*** Sample contains a discrete peak in addition to gasoline

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (May 2007)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Most current data is in **Bold**

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory reporting limit.

TABLE TWO

Certified Analytical Results for GROUNDWATER Samples
Collected from Borings
Chan's Former Shell Station
All results are in parts per billion (ppb)

Boring ID Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
BH-A 8/17/01	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
BH-B 8/17/01	35,000	4,500	4,500	770	4,100	5,600
BH-C 8/17/01	7,100	280	1,600	180	1,000	2,500
BH-D 7/17/02	63,000	8,600	1,400	2,800	8,800	86,000
BH-E 7/17/02	61,000	5,900	3,700	1,100	5,800	75,000
BH-F 7/17/02	31,000	2,100	480	1,200	2,400	2,500
BH-G 7/17/02	120	1.9	0.70	1.4	4.7	9.0
BH-H 7/17/02	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RBSL	500	46	130	290	13	1,800

Notes:

RBSL = Risk Based Screening Levels presented in the "Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory detection limit.

706 HARRISON STREET
OAKLAND, CALIFORNIA

TABLE 1

WELL CONSTRUCTION DETAILS
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID	*Date Installed*	*Borehole Depth* (ft)	*Borehole Diameter* (in)	*Casing Diameter* (in)	*Screen Interval* (ft bgs)	*Screen Size* (in)	*Filter Pack* (ft bgs)	*Bentonite Seal* (ft bgs)	*Cement Seal* (ft bgs)	*TOC Elevation* (ft msl)
MW-1	July 22, 1993	28.0	8	2	18 - 28	0.020	16 - 28	15 - 16	0 - 15	26.17
MW-2	July 23, 1993	28.0	8	2	18 - 28	0.020	16 - 28	15 - 16	0 - 15	27.53
MW-3	July 22, 1993	28.0	8	2	18 - 28	0.020	16 - 28	15 - 16	0 - 15	26.79
MW-4	Nov. 28, 1994	31.5	NA	2	9.5 - 29.5	0.010	8.5 - 31.5	6.5 - 8.5	0 - 6.5	28.20
MW-5	Nov. 30, 1994	30.0	NA	2	14.5 - 29.0	0.010	13 - 30	11 - 13	0 - 11	25.07
MW-6	Dec. 1, 1994	27.5	NA	2	11.5 - 26.5	0.010	10.5 - 27.5	8.5 - 10.5	0 - 8.5	26.13
MW-7	Dec. 2, 1994	29.0	NA	2	13 - 28	0.010	12 - 29	10 - 12	0 - 10	26.70
VW-1	July 23, 1993	20.0	8	2	15 - 20	0.020	13 - 20	12 - 13	0 - 12	NA
VW-2	July 22, 1993	20.0	8	2	15 - 20	0.020	13 - 20	12 - 13	0 - 12	NA
VW-3 (Dual)	Nov. 28, 1994	29.5	NA	2" / 1"	2": 8 - 18 1": 27 - 28	0.010	2": 6 - 18 1": 25.5 - 29.5	5 - 6 23.5 - 25.5	0 - 5	NA
VW-4 (Dual)	Nov. 29, 1994	29.5	NA	2" / 1"	2": 8 - 18 1": 28.5 - 29.5	0.010	2": 7 - 18 1": 26.5 - 29.5	5 - 7 18 - 26.5	0 - 5	NA
VW-5 (Dual)	Nov. 30, 1994	30.0	NA	2" / 1"	2": 7 - 17 1": 28.5 - 29.5	0.010	2": 6 - 17 1": 26 - 30	5 - 6 17 - 26	0 - 5	NA

Abbreviations / Notes
ft = feet
in = inches
ft bgs = feet below grade surface
ft msl = feet above mean sea level
TOC = top of casing
NA = Not Available

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-1	8/13/1993	17.40	11.75	20,000	8,500	640	280	440	-	-	
29.15	12/14/1993	17.27	11.88	17,000	9,200	1,200	4,400	540	-	-	
	4/15/1994	17.00	12.15	9,500	3,600	530	160	280	-	-	
	12/29/1994	16.40	12.75	-	-	-	-	-	-	-	
	7/19/1996	15.83	13.32	17,000	5,200	1,100	330	530	-	-	sheen/odor
	1/27/1997	13.58	15.57	30,000	9,800	1,300	790	880	400	-	b,sheen/odor
	6/18/1997	16.11	13.04	19,000	5,600	1,400	510	770	1,200	800	a,b
	9/18/1997	16.62	12.53	48,000	18,000	4,400	1,000	1,700	ND<640	-	b
	12/10/1997	15.93	13.22	22,000	4,900	1,300	580	650	460	260	a,b,odor
	2/18/1998	11.56	17.59	16,000	5,000	750	400	780	1,800	-	b
	5/12/1998	13.53	15.62	19,000	4,600	810	450	770	5,500	-	b,c
	8/18/1998	15.19	13.96	12,000	3,600	1,300	300	570	5,100	3,700	a,b
	11/24/1998	15.67	13.48	13,000	3,600	890	330	380	6,100	-	b
	2/4/1999	15.31	13.84	20,000	5,900	830	450	500	4,900	-	b
	5/18/1999	14.95	14.20	23,000	7,000	1,600	520	830	6,100	-	b
	8/27/1999	15.84	13.31	19,000	5,800	1,700	410	710	1,800	2,100	a,b
	11/18/1999	16.39	12.76	20,000	4,900	630	410	580	4,900	3,600	b
	2/29/2000	13.43	15.72	12,000	2,800	24	290	170	3,100	3,400	a
	5/25/2000	15.08	14.07	12,000	2,200	120	330	260	9,100	12,000	a,b
	8/9/2000	16.09	13.06	13,000	2,500	44	310	140	16,000	-	b
	11/9/2000	15.90	13.25	11,000	2,500	140	380	150	11,000	12,000	b
	1/29/2001	16.05	13.10	9,600	3,100	100	77	200	2,600	2,400	b
	4/16/2001	16.90	12.25	3,300	1,200	4.4	2.7	28	900	940	b
	8/14/2001	17.13	12.02	2,000	500	3.4	24	7.8	68	53	a
	10/22/2001	16.11	13.04	220	83	0.63	2.8	ND<0.5	ND<10	5.7	a
	2/1/2002	16.93	12.22	640	220	1.7	4.7	0.57	ND<10	-	a
	5/10/2002	15.09	14.06	230	26	0.97	ND<0.5	ND<0.5	ND<5.0	-	a
	7/8/2002	15.20	13.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/2/2002	15.70	13.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/23/2003	15.09	14.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	13.02	16.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
26.17	7/18/2003	14.50	11.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	13.81	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/28/2004	13.09	13.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	14.97	11.20	180	60	0.56	1.9	ND<0.5	ND<5.0	-	a
	7/23/2004	14.15	12.02	130	36	ND<0.5	0.65	ND<0.5	ND<5.0	-	a
	10/12/2004	16.30	9.87	ND<50	2.5	1.5	ND<0.5	0.86	ND<5.0	-	
	2/14/2005	13.85	12.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/27/2005	13.35	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	7/19/2005	14.68	11.49	4,500	1,400	6.5	160	58	630	-	a
	10/18/2005	15.15	11.02	1,700	340	ND<5.0	28	ND<5.0	8,000	7,200	a
	1/23/2006	13.27	12.90	3,100	790	6.5	79	32	4,200	5,100	a
	4/12/2006	12.33	13.84	7,200	2,600	110	350	320	5,600	4,000	a
	7/10/2006	14.93	11.24	2,700	550	4.2	77	47	5,500	8,300	a
	10/16/2006	16.51	9.66	2,000	470	6.4	38	13	6,300	6,400	a
	1/26/2007	16.87	9.30	3,300	600	36	34	27	6,200	5,900	a
	4/18/2007	16.77	9.40	5,400	1,400	170	210	350	3,600	4,700	a,i

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
	8/2/2007	17.21	8.96	6,100	1,200	130	140	240	5,300	5,400	a
	10/23/2007	17.67	8.50	2,600	740	53	60	110	5,800	6,900	a,h,Sheen[Lab]
	1/30/2008	16.66	9.51	1,900	380	2.6	15	20	2,400	2,800	a
	4/18/2008	17.14	9.03	1,500	320	4.5	13	25	2,900	2,900	a
	7/28/2008	17.70	8.47	1,100	240	3.6	6.9	15	1,600	1,800	a
MW-1	12/5/2008	18.22	7.95	1,000	150	2.1	4.1	15	150	140	a
(cont.)	**1/26/2009**	**17.84**	**8.33**	**540**	**120**	**1.4**	**1.6**	**3.0**	**82**	**79**	**a**
MW-2	8/13/1993	17.05	13.46	34,000	6,800	10,000	740	3,900	-	-	
30.51	12/14/1993	18.28	12.23	16,000	3,200	4,200	500	1,700	-	-	
	4/15/1994	18.10	12.41	23,000	2,500	4,200	470	1,800	-	-	
	12/29/1994	17.40	13.11	-	-	-	-	-	-	-	
	7/19/1996	16.72	13.79	90,000	7,300	14,000	1,600	7,300	-	-	odor
	1/27/1997	14.89	15.62	63,000	7,100	13,000	1,600	7,100	500	-	b,odor
	6/18/1997	17.12	13.39	52,000	5,100	10,000	1,400	6,000	ND<200	-	b
	9/18/1997	17.63	12.88	110,000	9,400	23,000	2,600	13,000	ND<890	-	b, sheen/odor
	12/10/1997	16.98	13.53	39,000	2,600	5,300	940	3,900	780	320	b,odor
	2/18/1998	12.61	17.90	85,000	9,000	19,000	2,300	11,000	2,400	-	b
	5/12/1998	14.45	16.06	110,000	9,500	21,000	2,500	12,000	ND<1,200	-	b
	8/18/1998	16.14	14.37	64,000	6,000	13,000	1,700	7,800	2,000	1,300	a, b
	11/24/1998	16.70	13.81	78,000	5,300	14,000	2,300	11,000	ND<2,000	-	b,h,Sheen[Lab]
	2/4/1999	18.39	12.12	66,000	5,800	16,000	2,600	12,000	3,000	-	b,h,Sheen[Lab]
	5/18/1999	15.90	14.61	78,000	6,700	17,000	2,400	10,000	4,300	-	b
	8/27/1999	16.79	13.72	91,000	7,400	17,000	2,300	11,000	1,200	1,000	a,b
	11/18/1999	17.32	13.19	180,000	7,000	20,000	3,300	16,000	ND<6,000	1,700	b,h,Sheen[Lab]
	2/29/2000	14.37	16.14	86,000	5,500	13,000	2,000	9,500	3,500	4,700	a
	5/25/2000	16.01	14.50	110,000	6,300	14,000	2,400	10,000	7,500	6,500	a,b,h,Sheen[Lab]
	8/9/2000	17.02	13.49	77,000	5,000	13,000	2,000	8,600	5,900	-	b
	11/9/2000	17.00	13.51	70,000	4,800	12,000	1,900	8,000	9,400	8,300	b
	1/29/2001	18.31	12.20	110,000	8,200	21,000	2,800	13,000	2,500	1,900	b,h,Sheen[Lab]
	4/16/2001	18.59	11.92	97,000	7,400	15,000	2,500	12,000	ND<3,000	ND<50	b,h,Sheen[Lab]
	8/14/2001	18.74	11.77	97,000	6,200	14,000	2,400	13,000	ND<250	ND<50	a,j
	10/22/2001	18.27	12.24	71,000	5,900	15,000	2,400	12,000	ND<1,400	150	a
	2/1/2002	18.05	12.46	1,400	11	88	44	210	ND<5.0	-	a
	5/10/2002	17.15	13.36	97,000	4,500	15,000	2,500	12,000	ND<3,000	-	a,h,Sheen[Lab]
	7/8/2002	15.30	15.21	42,000	2,100	6,500	2,200	8,800	ND<1,000	65	a
	10/2/2002	15.89	14.62	70,000	1,700	5,700	1,900	8,300	ND<1,700	-	a
	1/23/2003	17.51	13.00	40,000	1,900	7,800	1,200	5,600	ND<1,000	-	a
	4/29/2003	15.31	15.20	82,000	2,500	11,000	2,200	9,400	ND<2,000	-	a
	7/18/2003	16.84	10.69	57,000	2,100	8,700	2,200	10,000	-	ND<50	a
27.53	10/9/2003	16.05	11.48	49,000	1,800	7,000	1,700	7,600	ND<1,500	26	a
	1/28/2004	15.39	12.14	550	21	33	3.0	61	ND<100	-	a
	4/7/2004	16.01	11.52	41,000	2,500	11,000	1,900	8,000	ND<2,000	-	a
	7/23/2004	15.30	12.23	81,000	2,000	12,000	2,500	12,000	ND<2,000	-	a,h,Sheen[Field & Lab]
	10/12/2004	17.87	9.66	75,000	2,600	13,000	2,300	11,000	ND<1,300	-	a
	2/14/2005	14.80	12.73	75,000	2,600	12,000	2,400	10,000	ND<1,800	-	a,h,Sheen[Lab]
	4/27/2005	14.63	12.90	61,000	2,800	11,000	1,600	7,000	ND<2,700	-	a

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-2	7/19/2005	15.60	11.93	90,000	3,700	14,000	2,600	10,000	ND<7,000	-	a
(cont.)	10/18/2005	16.08	11.45	77,000	3,300	14,000	2,400	11,000	7,900	6,400	a
	1/23/2006	14.20	13.33	54,000	1,600	8,000	1,600	6,700	6,600	7,000	a
	4/12/2006	12.51	15.02	43,000	1,800	7,800	1,300	5,200	6,400	4,900	a
	7/10/2006	14.76	12.77	86,000	2,800	11,000	2,100	9,600	ND<6,500	400	a,h,Sheen^{Lab}
	10/16/2006	16.74	10.79	110,000	3,600	16,000	2,400	12,000	ND<6,000	2,700	a,h,Sheen^{Lab}
	1/26/2007	17.10	10.43	120,000	3,900	16,000	2,300	10,000	ND<5,000	3,000	a,h,i,Sheen^{Lab}
	4/18/2007	17.02	10.51	100,000	3,500	18,000	2,500	12,000	5,200	3,400	a,h,i,Sheen^{Lab}
	8/2/2007	17.47	10.06	61,000	2,700	11,000	1,800	7,600	6,400	4,600	a,h,Sheen^{Lab}
	10/23/2007	17.94	9.59	56,000	3,100	13,000	1,800	8,100	4,500	4,300	a
	1/30/2008	16.99	10.54	52,000	2,700	11,000	1,700	7,300	5,300	4,700	a
	4/18/2008	17.41	10.12	64,000	3,400	13,000	1,800	8,100	ND<4,000	2,200	a,h,i
	7/28/2008	17.99	9.54	51,000	2,000	6,200	1,300	2,700	ND<2,600	1,500	a,i,Sheen^{Field}
	12/5/2008	18.56	8.97	74,000	2,200	12,000	1,700	7,500	2,500	1,900	a,i,Sheen^{Field}
	1/26/2009	**18.20**	**9.33**	**90,000**	**2,800**	**14,000**	**1,800**	**9,500**	**<3,500**	**1,600**	**a,h,i,Sheen$^{Field\ \&\ Lab}$**
MW-3	8/13/1993	17.05	12.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	No SVOCs.
29.77	12/14/1993	17.70	12.07	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	
	4/15/1994	17.40	12.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	12/29/1994	16.80	12.97	-	-	-	-	-	-	-	
	7/19/1996	16.28	13.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.83	15.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.53	13.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	17.07	12.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	11.80	17.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.85	15.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.57	14.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.04	13.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	17.80	11.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.29	14.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	16.77	13.00	-	-	-	-	-	-	-	
	2/29/2000	13.71	16.06	ND<50	2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	15.46	14.31	-	-	-	-	-	-	-	
	8/9/2000	16.46	13.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.25	13.52	-	-	-	-	-	-	-	
	1/29/2001	16.52	13.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	16.95	12.82	-	-	-	-	-	-	-	
	8/14/2001	17.11	12.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	16.50	13.27	-	-	-	-	-	-	-	
	2/1/2002	16.90	12.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.03	14.74	-	-	-	-	-	-	-	
	7/8/2002	14.45	15.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	15.03	14.74	-	-	-	-	-	-	-	
MW-3	1/23/2003	15.48	14.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
(cont.)	4/29/2003	12.49	17.28	-	-	-	-	-	-	-	

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
26.79	7/18/2003	14.80	11.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.13	12.66	-	-	-	-	-	-	-	
	1/28/2004	13.47	13.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	15.41	11.38	-	-	-	-	-	-	-	
	7/23/2004	14.54	12.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/12/2004	16.58	10.21	-	-	-	-	-	-	-	
	2/14/2005	14.19	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/27/2005	13.68	13.11	-	-	-	-	-	-	-	
	7/19/2005	15.15	11.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/18/2005	15.60	11.19	-	-	-	-	-	-	-	
	1/23/2006	13.65	13.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	270	260	
	4/12/2006	11.94	14.85	-	-	-	-	-	-	-	
	7/10/2006	14.48	12.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,100	1,600	
	10/16/2006	16.19	10.60	-	-	-	-	-	-	-	
	1/26/2007	16.56	10.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2,500	3,400	
	4/18/2007	16.45	10.34	-	-	-	-	-	-	-	
	8/2/2007	16.92	9.87	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3,300	3,500	
	10/23/2007	17.42	9.37	-	-	-	-	-	-	-	
	1/30/2008	16.45	10.34	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	8,400	10,000	l
	4/18/2008	16.87	9.92	-	-	-	-	-	-	-	
	7/28/2008	17.41	9.38	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	6,400	6,900	l
	12/5/2008	17.89	8.90	-	-	-	-	-	-	-	
	1/26/2009	**17.50**	**9.29**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**3,400**	**3,800**	
MW-4	12/16/1994	18.10	13.08	2,500	32	6.5	4.5	17	-	-	
31.18	12/29/1994	17.95	13.23	-	-	-	-	-	-	-	
	7/19/1996	17.38	13.80	3,300	520	39	67	60	-	-	
	1/27/1997	15.25	15.93	4,500	860	55	100	91	1,100	-	b
	6/18/1997	17.61	13.57	2,700	700	52	81	76	2,200	2,300	a,b
	9/18/1997	18.01	13.17	3,900	760	38	56	64	ND<170	-	b
	12/10/1997	17.45	13.73	12,000	1,800	120	210	210	2,900	2,600	a,b
	2/18/1998	13.09	18.09	1,700	210	8	6.7	16	200	-	b
	5/12/1998	14.78	16.40	2,100	300	15	36	34	920	-	b,c
	8/18/1998	16.59	14.59	4,700	1,000	130	110	150	5,200	4,900	a,b
	11/24/1998	17.18	14.00	3,000	810	44	76	94	4,800	-	b
	2/4/1999	18.90	12.28	2,800	770	50	69	69	3,100	-	b
	5/18/1999	16.30	14.88	4,000	780	57	7.7	79	4,800	-	b
	8/27/1999	17.21	13.97	4,100	870	51	74	99	3,300	4,100	a,b
	11/18/1999	17.77	13.41	3,000	760	43	67	65	5,100	5,400	b
	2/29/2000	14.85	16.33	4,600	1,000	64	94	170	4,100	4,600	a
	5/25/2000	16.45	14.73	2,600	540	39	59	41	3,500	5,300	b
	8/9/2000	17.47	13.71	4,400	930	66	98	79	9,400	-	b
	11/9/2000	17.45	13.73	4,200	630	34	54	44	7,800	9,400	b
	1/29/2001	18.90	12.28	3,100	710	34	66	51	9,400	8,000	b
	4/16/2001	19.17	12.01	160	1.2	1.3	ND<0.5	12	22	20	b
	8/14/2001	19.20	11.98	1,700	190	11	35	13	300	250	b
	10/22/2001	18.95	12.23	1,100	120	3.7	29	7.9	ND<25	16	a

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-4	2/1/2002	19.05	12.13	2,600	25	43	21	280	ND<5.0	-	a
(cont.)	5/10/2002	17.69	13.49	490	3.5	2.0	2.1	2.2	ND<5.0	-	a
	7/8/2002	15.75	15.43	170	0.51	0.62	1.6	1.2	ND<5.0	2.0	m
	10/2/2002	16.30	14.88	240	1.7	2.0	2.2	0.88	ND<5.0	-	a
	1/23/2003	17.74	13.44	ND<50	0.52	4.1	ND<0.5	1.9	ND<5.0	-	
	4/29/2003	15.47	15.71	1,300	75	4.8	21	7.3	130	120	a
28.20	7/18/2003	17.08	11.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	0.74	a
	10/9/2003	16.25	11.95	210	4.7	0.57	1.6	1.1	ND<10	10	a
	1/28/2004	15.65	12.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	a
	4/7/2004	16.49	11.71	-	-	-	-	-	-	-	
	4/12/2004	-	-	770	56	3.2	7.0	6.5	120	160	a
	7/23/2004	15.86	12.34	1,100	130	11	17	17	790	800	a
	10/12/2004	18.05	10.15	150	0.86	ND<0.5	ND<0.5	0.97	ND<10	-	a
	2/14/2005	15.30	12.90	1,500	200	16	30	31	420	550	a
	4/27/2005	14.20	14.00	3,000	520	100	27	86	600	480	a
	7/19/2005	16.08	12.12	1,800	310	16	36	25	1,000	1,100	a
	10/18/2005	16.55	11.65	2,500	450	28	47	51	3,800	4,500	a
	1/23/2006	14.66	13.54	1,300	170	13	14	14	2,500	3,300	a
	4/12/2006	12.92	15.28	940	150	12	7.6	12	3,400	3,300	a
	7/10/2006	15.38	12.82	1,700	260	14	26	20	4,300	5,900	a
	10/16/2006	17.21	10.99	3,200	440	26	34	63	7,800	7,500	a
	1/26/2007	17.58	10.62	2,000	290	20	28	42	8,300	8,300	a
	4/18/2007	17.46	10.74	2,300	350	28	38	42	5,900	7,800	a,i
	8/2/2007	17.95	10.25	3,600	480	33	47	72	7,500	9,000	a
	10/23/2007	18.41	9.79	1,700	280	13	27	25	7,000	8,800	a
	1/30/2008	17.49	10.71	1,300	130	4.9	13	12	6,500	8,200	a
	4/18/2008	17.90	10.30	2,300	240	14	25	27	6,900	6,400	a
	7/28/2008	18.49	9.71	3,400	390	100	33	100	4,600	5,000	a
	12/5/2008	19.07	9.13	2,400	310	30	41	67	2,100	1,700	a,i
	1/26/2009	**18.71**	**9.49**	**1,600**	**180**	**14**	**21**	**33**	**1,300**	**1,200**	**a,Sheen[Field]**
MW-5	12/16/1994	16.07	11.97	ND<50	1.1	ND<0.5	ND<0.5	2.4	-	-	
28.04	12/29/1994	16.10	11.94	-	-	-	-	-	-	-	
	7/19/1996	15.49	12.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.60	14.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	15.55	12.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	16.16	11.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	15.41	12.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	10.93	17.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.25	14.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	14.75	13.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	15.15	12.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	14.61	13.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	14.15	13.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	15.43	12.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	15.97	12.07	-	-	-	-	-	-	-	
	2/29/2000	13.16	14.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-5	5/25/2000	14.72	13.32	-	-	-	-	-	-	-	
(cont.)	8/9/2000	15.68	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	15.39	12.65	-	-	-	-	-	-	-	
	1/29/2001	15.97	12.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	16.24	11.80	-	-	-	-	-	-	-	
	8/14/2001	17.39	10.65	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	15.90	12.14	-	-	-	-	-	-	-	
	2/1/2002	16.55	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.12	12.92	-	-	-	-	-	-	-	
	7/8/2002	15.92	12.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.42	11.62	-	-	-	-	-	-	-	
	1/23/2003	14.90	13.14	ND<50	20	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.05	15.99	-	-	-	-	-	-	-	
25.07	7/18/2003	14.28	10.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	13.36	11.71	-	-	-	-	-	-	-	
	1/28/2004	12.68	12.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	14.71	10.36	-	-	-	-	-	-	-	
	7/23/2004	13.49	11.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	10/12/2004	15.88	9.19	-	-	-	-	-	-	-	
	2/14/2005	13.22	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	4/27/2005	13.40	11.67	-	-	-	-	-	-	-	
	7/19/2005	14.21	10.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	10/18/2005	14.79	10.28	-	-	-	-	-	-	-	
	1/23/2006	13.12	11.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	4/12/2006	11.39	13.68	-	-	-	-	-	-	-	
	7/10/2006	14.40	10.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25	-	i
	10/16/2006	15.44	9.63	-	-	-	-	-	-	-	
	1/26/2007	15.76	9.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	490	-	
	4/18/2007	15.61	9.46	-	-	-	-	-	-	-	
	8/2/2007	16.04	9.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	660	760	
	10/23/2007	16.89	8.18	-	-	-	-	-	-	-	
	1/30/2008	15.61	9.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	250	280	
	4/18/2008	15.99	9.08	-	-	-	-	-	-	-	
	7/28/2008	16.45	8.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	640	670	
	12/5/2008	16.94	8.13	-	-	-	-	-	-	-	
	1/26/2009	**16.54**	**8.53**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**3,500**	**3,700**	
MW-6	12/16/1994	17.74	11.36	-	-	-	-	-	-	-	
29.10	12/29/1994	17.40	11.70	-	-	-	-	-	-	-	
	7/19/1996	16.60	12.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	14.88	14.22	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.73	12.37	51	22	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	c
	9/18/1997	17.24	11.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	16.56	12.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	12.93	16.17	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	14.35	14.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.94	13.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

TABLE 2

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FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-6	11/24/1998	16.46	12.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
(cont.)	2/4/1999	18.25	10.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.73	13.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	15.64	13.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	17.04	12.06	-	-	-	-	-	-	-	
	2/29/2000	14.55	14.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	15.86	13.24	-	-	-	-	-	-	-	
	8/9/2000	16.80	12.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.60	12.50	-	-	-	-	-	-	-	
	1/29/2001	17.00	12.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	17.15	11.95	-	-	-	-	-	-	-	
	8/14/2001	17.30	11.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	17.13	11.97	-	-	-	-	-	-	-	
	2/1/2002	16.57	12.53	70	37	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	a
	5/10/2002	15.25	13.85	-	-	-	-	-	-	-	
	7/8/2002	15.79	13.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.38	12.72	-	-	-	-	-	-	-	
	1/23/2003	16.03	13.07	ND<50	21	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	14.19	14.91	-	-	-	-	-	-	-	
26.13	7/18/2003	15.47	10.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.73	11.40	-	-	-	-	-	-	-	
	1/28/2004	14.05	12.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	14.41	11.72	-	-	-	-	-	-	-	
	7/23/2004	15.15	10.98	3,300	1,300	ND<5.0	52	9.7	ND<50	-	a
	10/12/2004	17.29	8.84	-	-	-	-	-	-	-	
	2/14/2005	14.60	11.53	350	160	ND<0.5	ND<0.5	ND<0.5	ND<25	2.0	a,i
	4/27/2005	14.10	12.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	7/19/2005	15.18	10.95	110	15	ND<0.5	0.62	ND<0.5	ND<5.0	1.7	a,i
	10/18/2005	15.65	10.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	0.87	i
	1/23/2006	14.02	12.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	0.50	i
	4/12/2006	12.66	13.47	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	7/10/2006	14.64	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/16/2006	16.50	9.63	-	-	-	-	-	-	-	
	1/26/2007	16.83	9.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2007	16.72	9.41	-	-	-	-	-	-	-	
	8/2/2007	17.13	9.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/23/2007	17.71	8.42	-	-	-	-	-	-	-	
	1/30/2008	16.54	9.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2008	17.02	9.11	-	-	-	-	-	-	-	
	7/28/2008	17.50	8.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	12/5/2008	17.89	8.24	-	-	-	-	-	-	-	
	1/26/2009	**17.61**	**8.52**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5**	**ND<0.5**	
MW-7	12/16/1994	17.07	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
29.67	12/29/1994	17.65	12.02	-	-	-	-	-	-	-	
	7/19/1996	16.44	13.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/27/1997	15.09	14.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

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OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-7	6/18/1997	16.59	13.08	73	ND<0.5	0.55	ND<0.5	ND<0.5	ND<5.0	-	d
(cont.)	9/18/1997	17.06	12.61	94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	b,f
	12/10/1997	16.58	13.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	12.60	17.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	14.81	14.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.67	14.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.30	13.37	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
	2/4/1999	15.99	13.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.42	14.25	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
	8/27/1999	16.35	13.32	140	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	16.81	12.86	--	--	--	--	--	--	-	
	2/29/2000	14.16	15.51	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	f
	5/25/2000	15.54	14.13	--	--	--	--	--	--	-	
	8/9/2000	16.56	13.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.45	13.22	-	-	-	-	-	-	-	
	1/29/2001	16.92	12.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	17.03	12.64	-	-	-	-	-	-	-	
	8/14/2001	17.27	12.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	16.95	12.72	-	-	-	-	-	-	-	
26.70	2/1/2002	16.14	13.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.30	14.37	-	-	-	-	-	-	-	
	7/8/2002	15.73	13.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.24	13.43	-	-	-	-	-	-	-	
	1/23/2003	15.70	13.97	ND<50	23	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.68	16.99	-	-	-	-	-	-	-	
	7/18/2003	15.19	11.51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.45	12.25	-	-	-	-	-	-	-	
	1/28/2004	13.88	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	15.71	10.99	-	-	-	-	-	-	-	
	7/23/2004	14.85	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	130	120	
	10/12/2004	16.90	9.80	-	-	-	-	-	-	-	
	2/14/2005	14.42	12.28	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	190	200	
	4/27/2005	13.75	12.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.3	
	7/19/2005	14.91	11.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	65	66	
	10/18/2005	15.40	11.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	15	
	1/23/2006	13.99	12.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.2	
	4/12/2006	12.32	14.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.0	
	7/10/2006	14.31	12.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.5	
	10/16/2006	16.23	10.47	-	-	-	-	-	-	-	
	1/26/2007	16.61	10.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2007	16.54	10.16	-	-	-	-	-	-	-	
	8/2/2007	16.93	9.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.2	
	10/23/2007	17.36	9.34	-	-	-	-	-	-	-	
	1/30/2008	16.36	10.34	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2008	16.85	9.85	-	-	-	-	-	-	-	
	7/28/2008	17.43	9.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.1	i

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

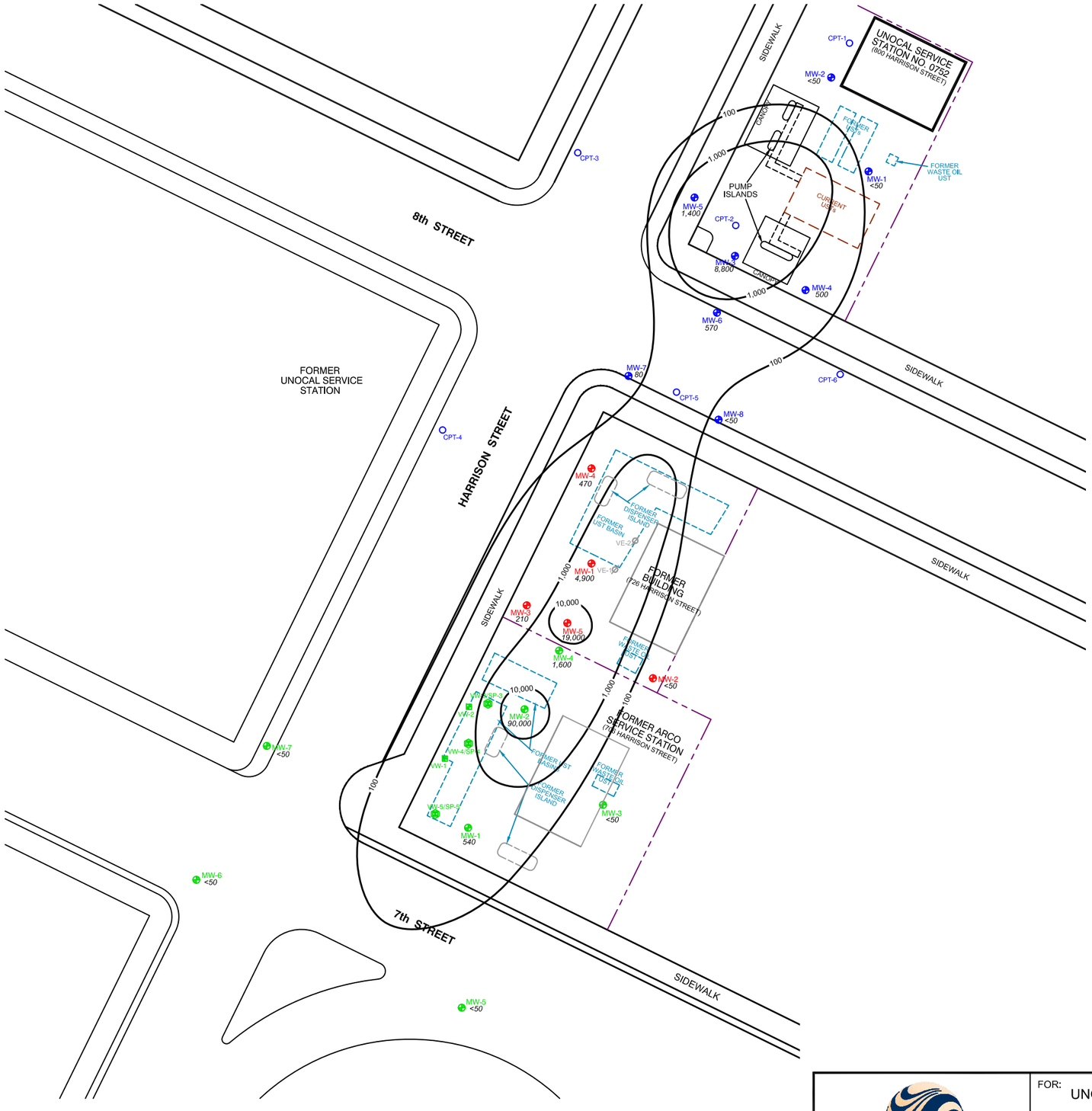
Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water* (ft)	*Groundwater Elevation* (ft-msl)	*TPHg* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE by 8021B* (µg/L)	*MTBE by 8260B* (µg/L)	*Notes*
MW-7	12/5/2008	17.91	8.79	-	-	-	-	-	-	-	
(cont.)	**1/26/2009**	**17.65**	**9.05**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5**	**0.96**	
VW-3	3/6/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	3/25/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
VW-4	3/6/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	3/25/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
Trip Blank	11/9/2000	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/14/2005	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

Abbreviations and Analyses:

µg/L = Micrograms per liter
ND<0.5 = Not Detected (ND) above laboratory detection limit.
- = Not sampled; not analyzed;not applicable; or no SPH measured or observed.
TOC = Top of casing elevation, measured in feet, relative to mean sea level
ft = Measured in feet
ft-msl = Elevation in feet relative to mean sea level
TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C
Benzene, ethylbenzene, toluene and xylenes by EPA Method SW8021B.
MTBE = Methyl tertiary butyl ether by EPA Method SW8021B and/or SW8260B.
SVOCs = Semi-Volatile Organic Compounds (EPA Method 8270)
Wells were re-surveyed on October 27, 2003 to City of Oakland Benchmark 25A.
TOC Depth to Water = Groundwater depth measured in feet below TOC.
Sheen = A sheen was observed on the water's surface.
Field = Observed in the field
Lab = Observed in analytical laboratory

Analytical Laboratory Notes:

a = "unmodified or weakly modified gasoline is significant"
b = "heavier gasoline range compounds are significant"
c = "lighter gasoline range compounds are significant"
d = "isolated peaks are present"
f = "hydrocarbons with no recognizable patterns are present"
h = "lighter than water immiscible sheen/product is present"
i = "sample contains greater than ~1 vol. % sediment"
j = "sample was diluted due to high organic content"
l = "reporting limit raised due to high MTBE content"
m = "no recognizable pattern"



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- CPT BORING (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)

100	TPPH ISOCONCENTRATION CONTOUR (µg/L)
360	TPPH CONCENTRATION (µg/L)
TPPH	TOTAL PURGEABLE PETROLEUM HYDROCARBONS
µg/L	MICROGRAMS PER LITER

N

0 50 100

APPROXIMATE SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS. AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID-COAST ENGINEERS (2000); VIRGIL CHAVEZ (2003).

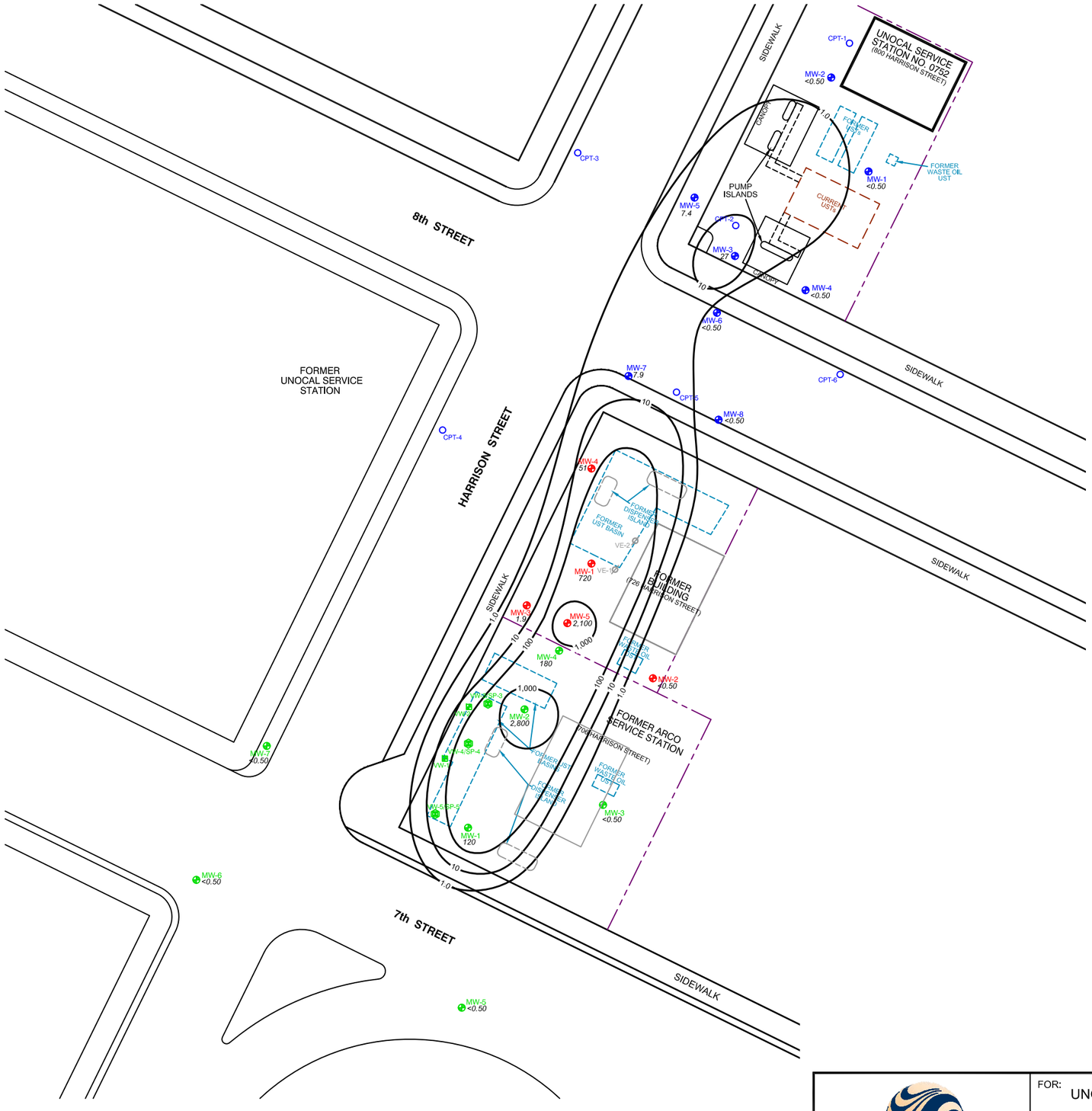
Stantec

FOR: UNOCAL NO. 0752/YEE/GIN COMMINGLE
800/726/706 HARRISON STREET
OAKLAND, CALIFORNIA

DISSOLVED PHASE TPPH ISOCONCENTRATION MAP FIRST QUARTER 2009

FIGURE: **5**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211402121.200.0301	STA	DB	DB	03/19/09



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- CPT BORING (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)
- 100 — BENZENE ISOCONCENTRATION CONTOUR (µg/L)
- 360 — BENZENE CONCENTRATION (µg/L)
- µg/L — MICROGRAMS PER LITER

N

0 50 100

APPROXIMATE SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID-COAST ENGINEERS (2000); VIRGIL CHAVEZ (2003).

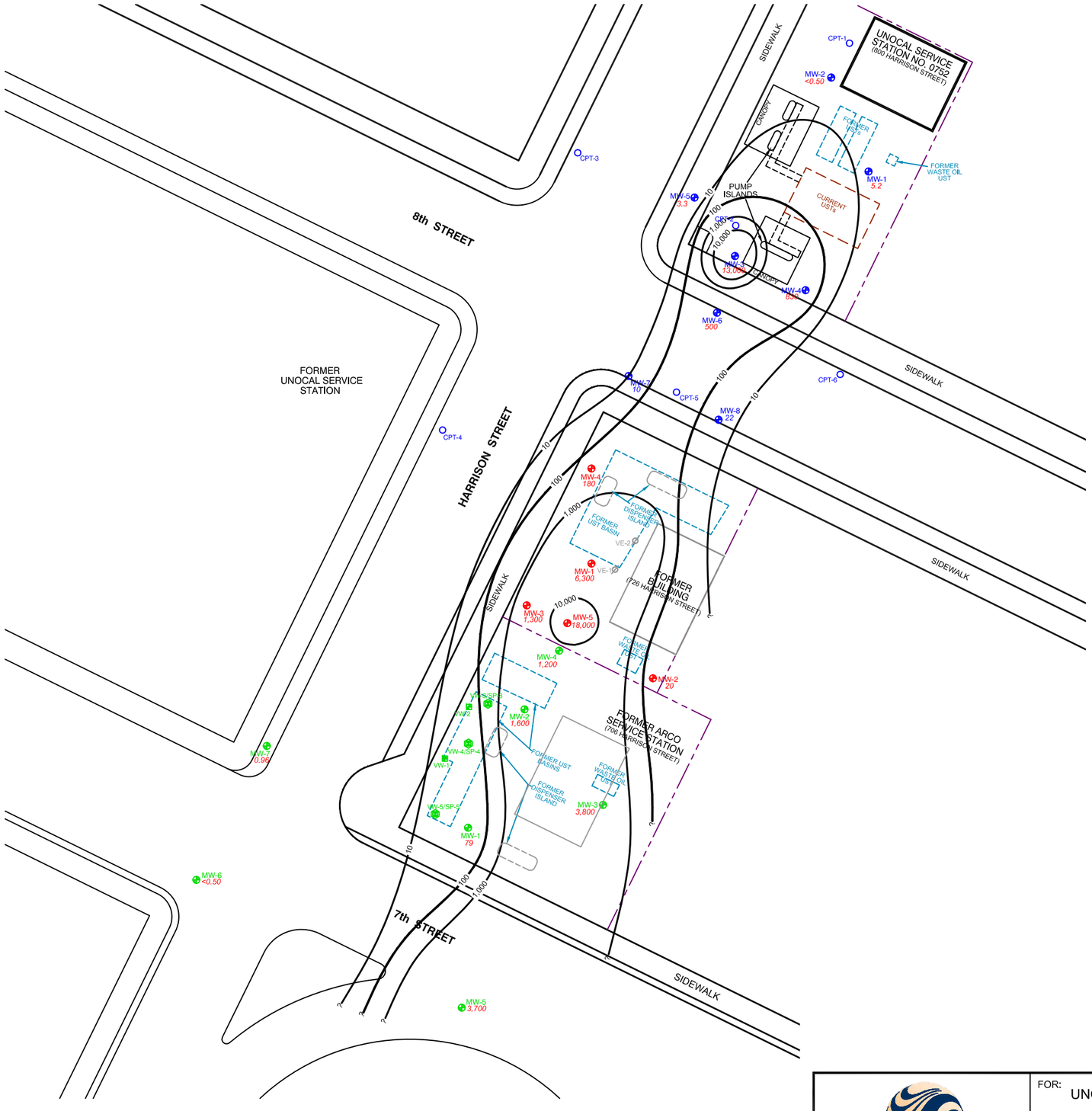
Stantec

FOR: UNOCAL NO. 0752/YEE/GIN COMMINGLE
800/726/706 HARRISON STREET
OAKLAND, CALIFORNIA

DISSOLVED PHASE BENZENE ISOCONCENTRATION MAP FIRST QUARTER 2009

FIGURE: **6**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211402121.200.0301	STA	DB	DB	03/19/09



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- CPT BORING (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)

10	MTBE ISOCONCENTRATION CONTOUR (µg/L)
4.2	MTBE CONCENTRATION (µg/L)
MTBE	METHYL TERTIARY BUTYL ETHER
µg/L	MICROGRAMS PER LITER

N

0 50 100

APPROXIMATE SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID-COAST ENGINEERS (2000); VIRGIL CHAVEZ (2003).

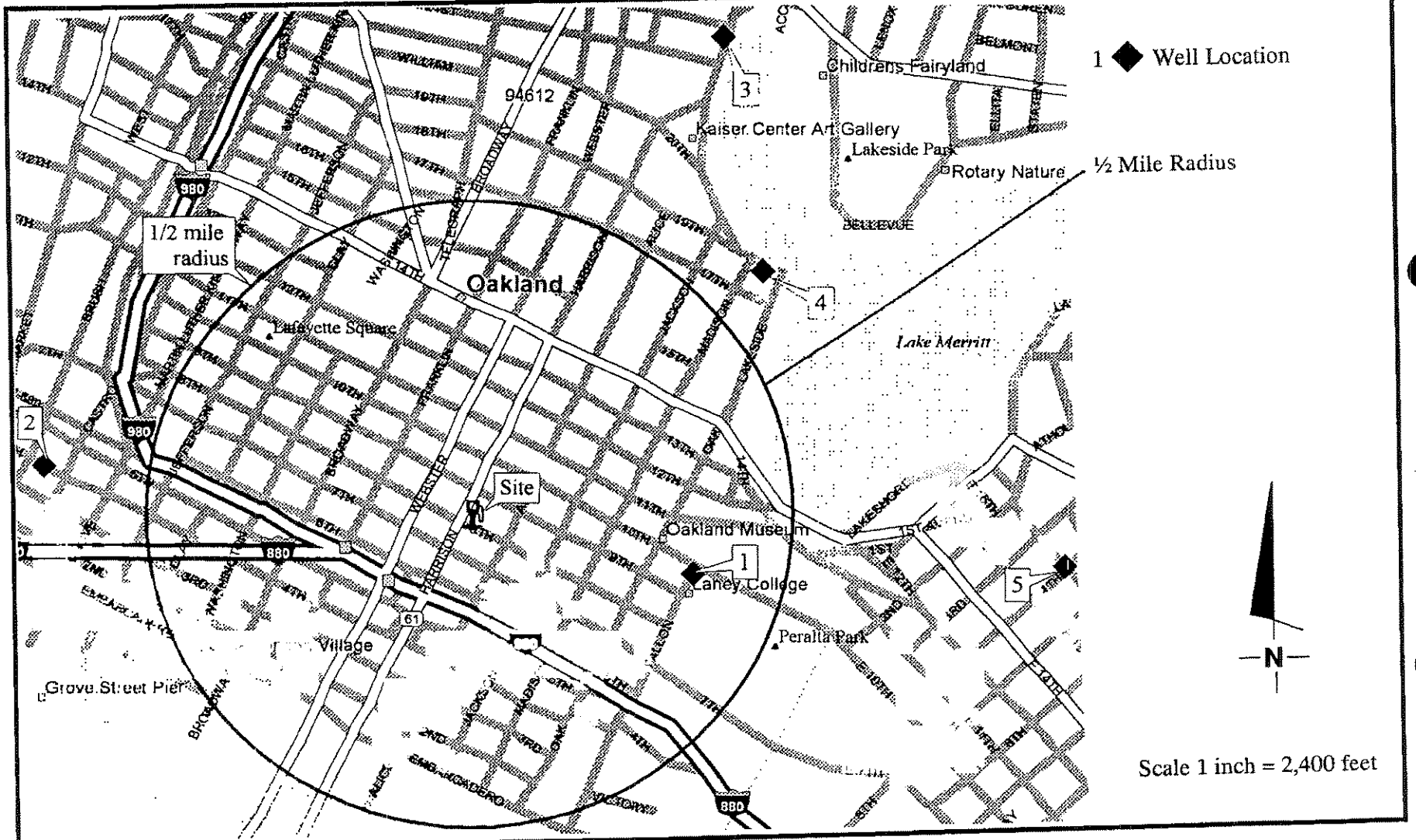
Stantec

FOR: UNOCAL NO. 0752/YEE/GIN COMMINGLE 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA

DISSOLVED PHASE MTBE ISOCONCENTRATION MAP FIRST QUARTER 2009

FIGURE: **7**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211402121.200.0301	STA	DB	DB	03/19/09



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

WELL SEARCH MAP
Tosco (76) Service Station No. 0752
800 Harrison Street
Oakland, California

FIGURE
8

Job Number
140065.02

Date
04/01

TABLE 1 - WELL SEARCH DATA

Tosco Service Station No. 0752
800 Harrison Street
Oakland, California

Map ID	Well Owner	Well Location	Well Use	Maximum Pumping Rate (gpm)	Year Installed	Depth (feet)	Screen Interval From (feet)	Screen Interval To (feet)	Well Diameter (inches)	DTW (feet)
1	Laney College	900 Fallon Street	Irr	44	Dec-90	190	-	-	8	30
2	E. D. Coat	715 4th Street	Ind	110	Feb-78	108	-	-	10	10
3	Ahmanson Commercial	2100 Harison Street	Irr	2	Mar-91	290	-	-	6	20
4	Lakeside Corporation	244 Lakeside Drive	Irr	50	1977	95	-	-	6	30
5	Central French LDY	425 Foothill Boulevard	Irr	35	1914	214	-	-	14	-

Explanation

DTW = depth to water
gpm = gallons per minute
Irr - irrigation
Ind = industrial
- = information not available

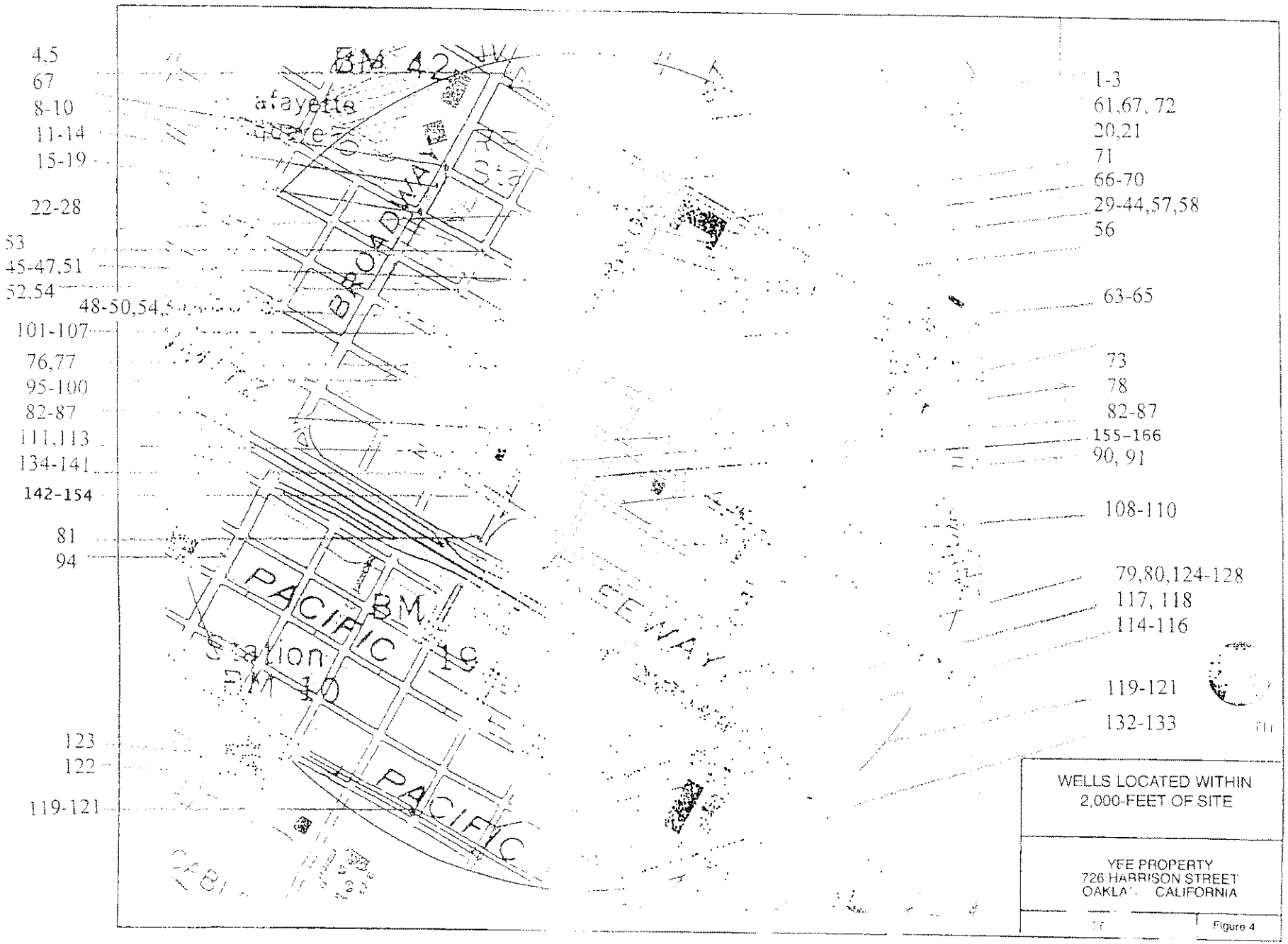

4,5
67
8-10
11-14
15-19
22-28
53
45-47,51
52,54
48-50,54,5
101-107
76,77
95-100
82-87
111,113
134-141
142-154
81
94
123
122
119-121
1-3
61,67, 72
20,21
71
66-70
29-44,57,58
56
63-65
73
78
82-87
155-166
90, 91
108-110
79,80,124-128
117, 118
114-116
119-121
132-133
BM 42
Fayette
BROADWAY
PACIFIC
BM 10
PACIFIC
WELLS LOCATED WITHIN
2,000-FEET OF SITE
YEE PROPERTY
726 HARRISON STREET
OAKLA CALIFORNIA
Figure 4

TABLE THREE
WELLS WITHIN 2,000-FOOT RADIUS OF 726 HARRISON STREET, OAKLAND, CALIFORNIA

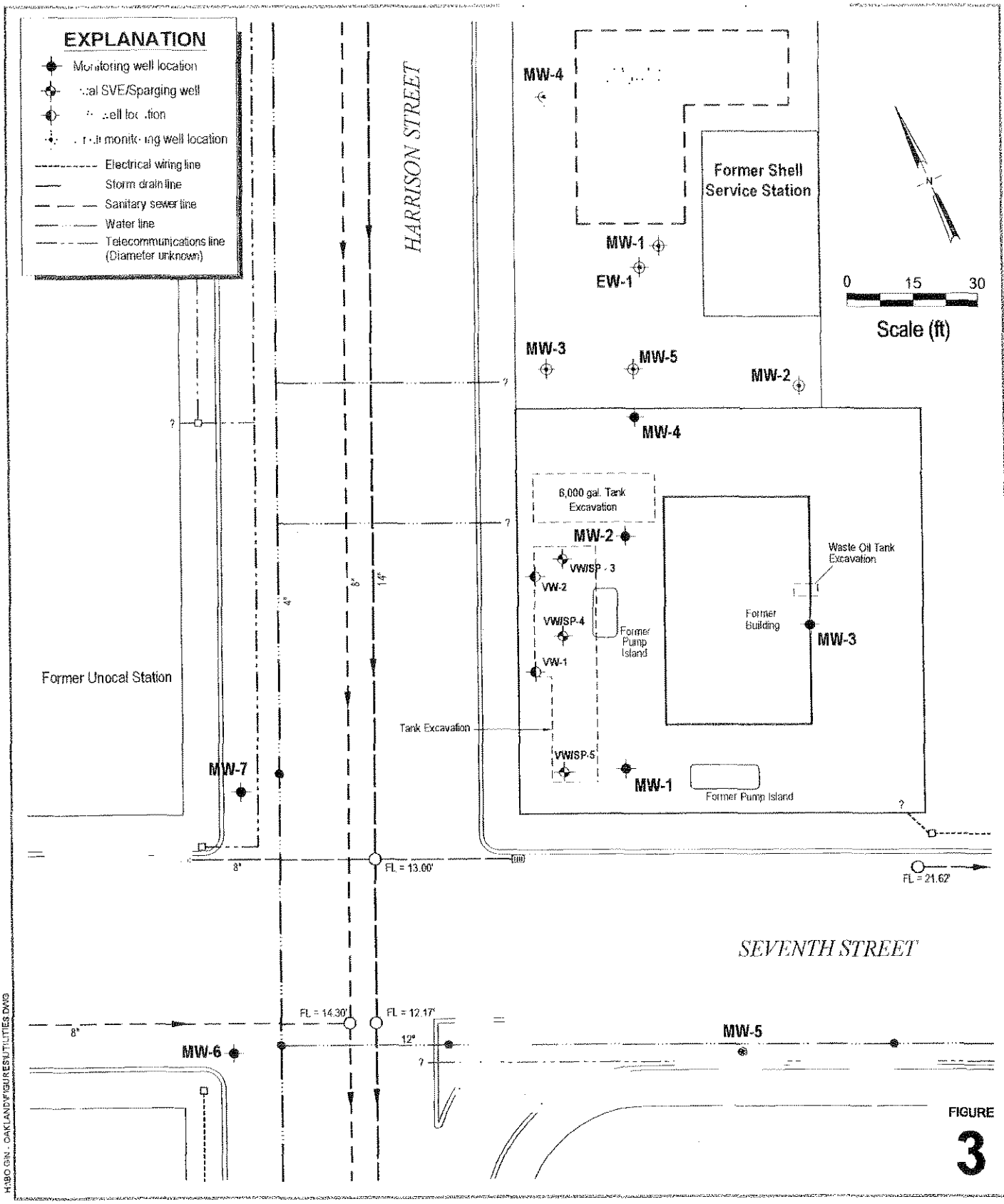
ASE ID	Address	Owner	Date Drilled	Total Depth	Diameter	Use
1	Harrison St && 15th St	Alvin H. Bacharach and Ba	10/96	25	2	MON
2	Harrison St && 15th St	Alvin H. Bacharach and Ba	10/96	29	2	MON
3	Harrison St && 15th St	Alvin H. Bacharach and Ba	10/96	29	2	MON
4	San Pablo Ave. & Broadway	Taldan Property B1-P	8/92	42	2	PIE
5	San Pablo Ave. & Broadway	Taldan Property B2-P	8/92	42	2	PIE
6	11th & Clay Streets	City Oakland, Econ. Devel	2/90	35	2	PIE
7	11th & Clay Streets	City Oakland, Econ. Devel	2/90	35	2	PIE
8	Corner of 12th & Broadway	APC Building	9/87	31	2	MON
9	Corner of 12th & Broadway	APC Building	7/88	30	2	MON
10	Corner of 12th & Broadway	APC Building	7/88	30	2	MON
11	11[illegible]	[illegible] c, Inc.	[illegible]	35	2	MON
12	1111 Br[illegible]	[illegible]	[illegible]	.5	2	MON
13	1111 Br[illegible]	[illegible]	[illegible]	23	2	MON
14	1111 Br[illegible]	[illegible]	1	5	2	MON
15	Broadway & 11th Streets	City [illegible] A	[illegible]	21	3	MON
16	11th S[illegible] & Broadway	City [illegible] n, Devel	[illegible]	35	2	PIE
17	11th [illegible] Broadway	City [illegible] evel	[illegible]	5	2	PIE
18	11th Str[illegible] roadway	City [illegible] Devel	[illegible]	35	2	PIE
19	11th [illegible] Streets	[illegible]	[illegible]	5	2	PIE
20	14[illegible]	[illegible]	1[illegible]	25	2	MON
21	14[illegible] Har[illegible]	[illegible]	10/[illegible]	29	2	MON
22	[illegible]	[illegible]	[illegible]	34	2	MON
23	[illegible]	[illegible] nt	[illegible]	35	2	MON
24	[illegible]	[illegible] nt	[illegible]	35	2	MON
25	12[illegible]	[illegible]	[illegible]	4	2	MON
26	12[illegible] Webster St	Bank of the Orient	[illegible]	34	2	MON
27	1225 Webster St	Bank of the Orient	3/94	35	2	MON
28	1225 Webster St	Bank of the Orient	3/94	35	2	MON
29	301 14th Street	Chevron USA	6/90	60	4	MON
30	301 14th Street	Chevron USA	6/90	34	2	MON
31	301 14th Street	Chevron USA	6/90	33	2	MON
32	301 14th Street	Chevron USA	6/90	33	2	MON
33	301 14th Street	Chevron USA	6/90	33	2	MON
34	301 14th Street	Chevron USA	8/90	15	4	MON
35	301 14th Street	Chevron USA	10/90	32	2	MON
36	301 14th Street	Chevron USA	4/91	14	2	MON
37	301 14th Street	Chevron USA	2/91	20	2	MON
38	301 14th Street	Chevron USA	4/91	30	2	MON
39	301 14th Street	Chevron USA	4/91	35	2	MON
40	301 14th Street	Chevron USA MW10	6/92	35	2	MON
41	301 14th St.	Chevron USA VEW-1	6/92	20	2	MON
42	301 14th St.	Chevron USA VEW-2	6/92	20	2	MON
43	301 14th St	Chevron USA Products Co	4/94	30	4	MON
44	301 14th St.	Chevron VEW-3	3/93	31	4	MON
45	11th & Webster Sts.	City of Oakland	5/87	39	4	MON
46	11th & Webster Sts.	City of Oakland	12/87	45	4	MON
47	11th & Webster Sts.	City of Oakland	12/87	44	4	MON
48	10th & Webster Sts.	City of Oakland	12/87	40	4	MON
49	10th & Webster Sts.	City of Oakland	12/87	42	4	MON
50	10th & Webster Sts.	City of Oakland	3/88	66	4	MON
51	11th & Webster Sts.	City of Oakland	3/88	44	4	TES
52	10th & Franklin Sts.	City of Oakland	3/88	43	4	TES
53	11th & Franklin Sts.	City of Oakland	3/88	40	4	TES
54	10th & Webster Sts.	City of Oakland	3/88	40	4	TES
55	10th & Franklin Sts.	City of Oakland	4/88	64	4	TEST
56	1220 Harrison St	Frank G. Mar Assoc MW-1	4/92	36	2	MON
57	13th & Harrison Street	Frank Mar Comm. Housing	Unknown	Unknown	Unknown	Unknown
58	13th & Harrison Street	Frank Mar Comm. Housing	Unknown	Unknown	Unknown	Unknown
59	10th & Webster Sts.	Oakland Redevelopment Agency	2/89	40	4	MON
60	10th & Webster Sts.	Oakland Redevelopment Agency	2/89	40	4	MON

TABLE THREE
WELLS WITHIN 2,000-FOOT RADIUS OF 726 HARRISON STREET, OAKLAND, CALIFORNIA

ASE ID	Address	Owner	Date Drilled	Total Depth	Diameter	Use
61	1432 Harrison St	Unknown	7/94	26	2	MON
62	1432 Harrison St	Unknown	1/94	27	4	MON
63	387 12th St	Unknown	6/93	25	2	MON
64	387 12th St	Unknown	6/93	25	2	MON
65	387 12th St	Unknown	6/93	25	2	MON
66	165 13th Street	Alame[illegible]a County S[illegible]ices	10/92	20	2	MON
67	165 13th Street	Alame[illegible] County [illegible]	3/89	35	4	MON
68	165 13th Street	Alar[illegible]	3/89	24	2	MON
69	165 13th Street	Alar[illegible]	3/89	35	2	MON
70	165 13th Stre[illegible]	Alameda [illegible]	3/89	35	4	MON
71	Alic[illegible] 14th Street	Mo[illegible]e C[illegible]	/27	150	0	[illegible]
72	145[illegible]	Unkn[illegible]	7/94	25	2	[illegible]
73	[illegible] on St	Ala[illegible] GSA	5/97	35	2	MON
74	[illegible]	[illegible]	5/91	33	6	[illegible]
75	[illegible]	D[illegible] ways	2/55	130	0	[illegible]
76	[illegible] St.	[illegible]	11/90	46	4	[illegible]
77	[illegible]	[illegible] velopment	7/90	37	4	[illegible]
78	[illegible] & Alice Street	[illegible]	6/89	37	2	[illegible]
79	61[illegible]	A[illegible] MW1	4/93	25	2	[illegible]
80	[illegible] St.	A[illegible] /1R	5/93	25	2	[illegible]
81	[illegible] & Harrison Street	Pac[illegible]	6/73	120	0	[illegible]
82	800 Harrison St.	Unocal #[illegible] MW-7	4/93	33	2	[illegible]
83	800 Harrison St.	Unoc[illegible] MW-8	4/93	31	2	MON
84	[illegible] rison Street	U[illegible]	6/91	33	2	[illegible]
85	[illegible] treet	U[illegible] W4	9/92	33	2	[illegible]
86	800 Harrison Street	Unocal Corporation MW5	10/92	32	2	[illegible]
87	800 Harrison Street	Unocal Corporation MW6	10/92	32	2	MON
88	245 8th St	Victor Lum	7/95	28	4	MON
89	245 8th St	Victor Lum	7/95	28	4	MON
90	280 6th St	Unknown	1/95	14	4	MON
91	280 6th St	Unknown	1/95	14	4	MON
92	280 6th St	Unknown	1/95	14	4	MON
93	280 6th St	Unknown	1/95	14	4	MON
94	333 Broadway	John Leonardini	9/93	26	2	MON
95	800 Franklin Street	Alex Shaw, Dynagroup	9/89	35	2	MON
96	800 Franklin Street	Alex Shaw, Dynagroup	9/89	35	2	MON
97	800 Franklin Street	Alex Shaw, Dynagroup	9/89	34	2	MON
98	800 Franklin St	Chiu	5/97	36	2	MON
99	800 Franklin St	Tom Chiu MW-4	10/91	35	2	MON
100	800 Franklin St	Tom Chiu MW-5	10/91	35	2	MON
101	Webster St. & 9th St.	City of Oakland	12/89	38	4	MON
102	Webster & 9th St.	City of Oakland	1/91	40	4	MON
103	Webster & 9th St.	City of Oakland	11/90	37	2	PIE
104	Webster & 9th St.	City of Oakland	11/90	37	2	PIE
105	9th and Webster Streets	City of Oakland Redevelopment	1/90	45	6	DES
106	Webster & 9th Streets	City of Oakland Redevelopment	8/90	19	4	MON
107	Webster & 9th Streets	City of Oakland Redevelopment	8/90	19	4	MON
108	461 8th St	Shell Oil Company	12/94	30	4	MON
109	461 8th St	Shell Oil Company	12/94	30	4	MON
110	461 8th St	Shell Oil Company	12/94	37	4	MON
111	800 Harrison St	Unocal Corp MW1	5/91	35	2	MON
112	800 Harrison St	Unocal Corp MW2	5/91	33	2	MON
113	800 Harrison St	Unocal Corp MW3	5/91	33	2	MON
114	499 5th St.	Alameda County Health MW-1	4/92	35	4	MON
115	499 5th St.	Alameda County Health MW-2	4/92	35	4	MON
116	499 5th St.	Alameda County Health MW-2	4/92	30	4	MON
117	400 Oak St	Post Tool MW-1	12/91	20	4	MON
118	400 Oak St	Post Tool MW-2	12/91	20	4	MON
119	2nd St Near Alice St	Port of Oakland/Amtrack	6/95	17	2	MON
120	2nd St Near Alice St	Port of Oakland/Amtrack	6/95	17	2	MON

TABLE THREE
WELLS WITHIN 2,000-FOOT RADIUS OF 726 HARRISON STREET, OAKLAND, CALIFORNIA

ASE ID	Address	Owner	Date Drilled	Total Depth	Diameter	Use
121	2nd St Near Alice St	Port of Oakland/Amtrack	6/95	15	2	MON
122	125 Webster St	Bank of the Orient	8/94	35	2	MON
123	125 Webster St	Bank of the Orient	3/94	35	2	MON
124	609 Oak Street	Chevron	11/90	17	2	MON
125	609 Oak Street	Chevron USA	8/90	26	2	MON
126	609 Oak Street	Chevron USA	9/90	15	2	MON
127	609 Oak Street	Chevron USA	9/90	30	2	MON
128	609 Oak Street	Ch[illegible]	9/90	30	2	MON
129	208 Jackson Street	East B[illegible] Parking	5/90	10	2	MON
130	208 Jackson Street	East Bay P[illegible]king	5/90	10	2	MON
131	208 Jackson Street	East Bay Parking	5/90	10	2	MON
[illegible]	300 C[illegible] Street	Nat[illegible] Cotteral	12/91	20	4	[illegible]
[illegible]	[illegible]	[illegible]	12/91	20	4	[illegible]
[illegible]	[illegible]	[illegible]	7/97	28	2	[illegible]
[illegible]	[illegible]	Kin [illegible]	12/98	30	2	MON
[illegible]	[illegible]	Kin Chan	12/98	30	2	MON
[illegible]	[illegible]	Ki[illegible]	[illegible]	30	2	[illegible]
[illegible]	[illegible]	Kin Chan	[illegible]	30	2	[illegible]
[illegible]	[illegible]	Kin Chan	[illegible]1	29	2	[illegible]
140	[illegible]	Kin Chan	[illegible]1	29	6	[illegible]
141	[illegible]	Kin Chan	[illegible]1	28	2	Sp[illegible]e
142	706 Harrison St	Oakland Auto Parts	8/93	15	2	MON
143	706 Harrison St	Oakland Auto Parts	8/93	15	2	EXT
144	[illegible]	Bo Gin	11/94	30	2	[illegible]
145	[illegible]	Bo Gin	Unknown	30	2	[illegible]
146	[illegible]	Bo Gin	Unknown	30	2	[illegible]
147	706 Harrison St	Bo Gin	Unknown	30	2	MON
148	706 Harrison St	Bo Gin	Unknown	30	2	MON
149	706 Harrison St	Bo Gin	Unknown	30	2	MON
150	706 Harrison St	Bo Gin	12/94	Unknown	Unknown	VE
151	706 Harrison St	Bo Gin	12/94	Unknown	Unknown	VE
152	706 Harrison St	Bo Gin	12/94	Unknown	Unknown	VE/Sparge
153	706 Harrison St	Bo Gin	12/94	Unknown	Unknown	VE/Sparge
154	706 Harrison St	Bo Gin	12/94	Unknown	Unknown	VE/Sparge
155	250 8th Street	Lim Family	1/95	30	2	MON
156	250 8th Street	Lim Family	1/95	30	2	MON
157	250 8th Street	Lim Family	1/00	30	2	MON
158	250 8th Street	Lim Family	1/00	30	2	MON
159	250 8th Street	Lim Family	5/02	30	2	MON
160	250 8th Street	Lim Family	5/02	30	2	MON
161	250 8th Street	Lim Family	5/02	30	2	MON
162	250 8th Street	Lim Family	2/99	25	2	INJ
163	250 8th Street	Lim Family	2/99	25	2	INJ
164	250 8th Street	Lim Family	2/99	25	2	INJ
165	250 8th Street	Lim Family	2/99	25	2	INJ
166	250 8th Street	Lim Family	2/99	25	2	INJ



FIGURE

3

H:\BO GIN - OAKLAND\FIGURES\UTILITIES.DWG

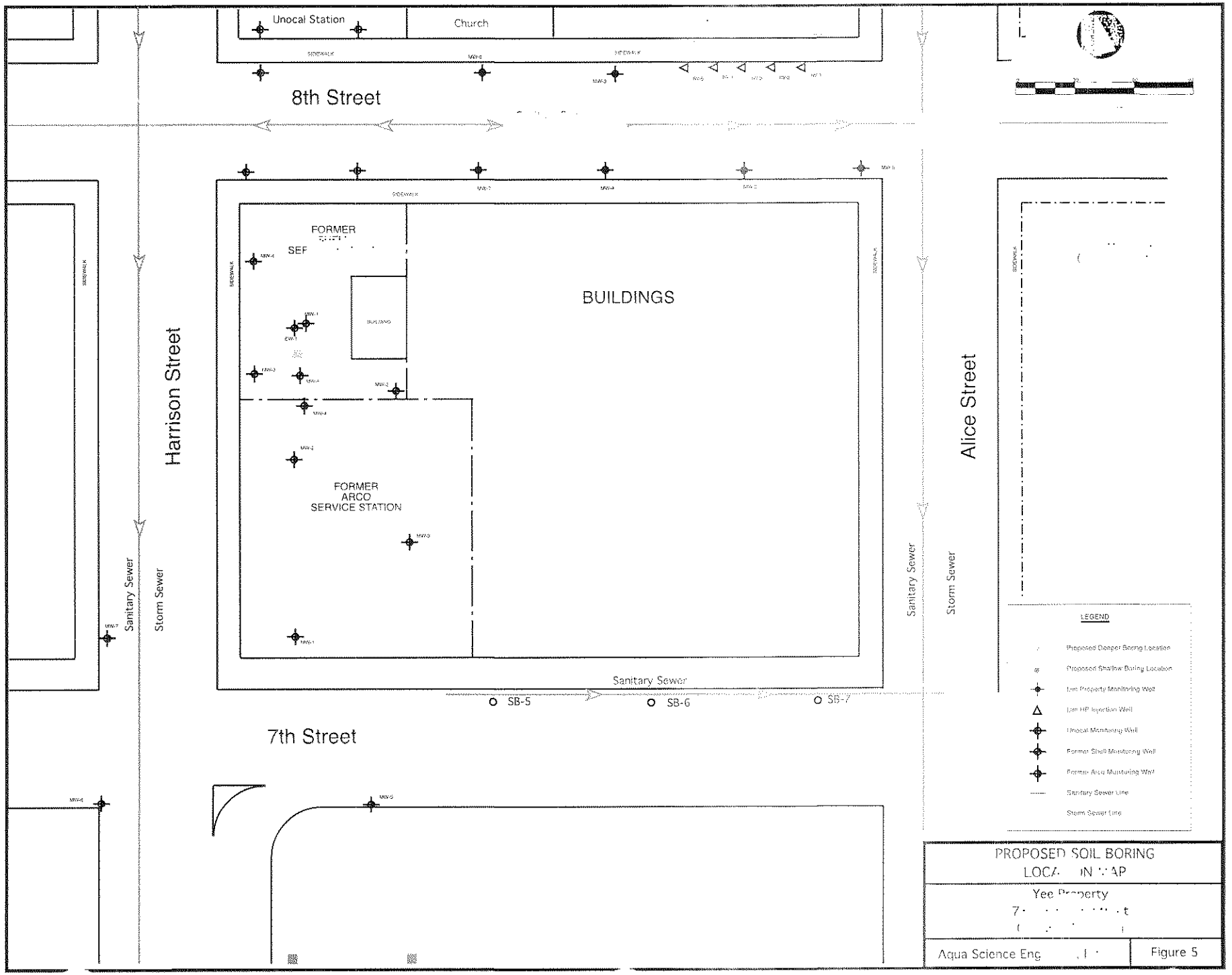
Former ARCO Station

706 Harrison Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Subsurface Utility *and Site Map*

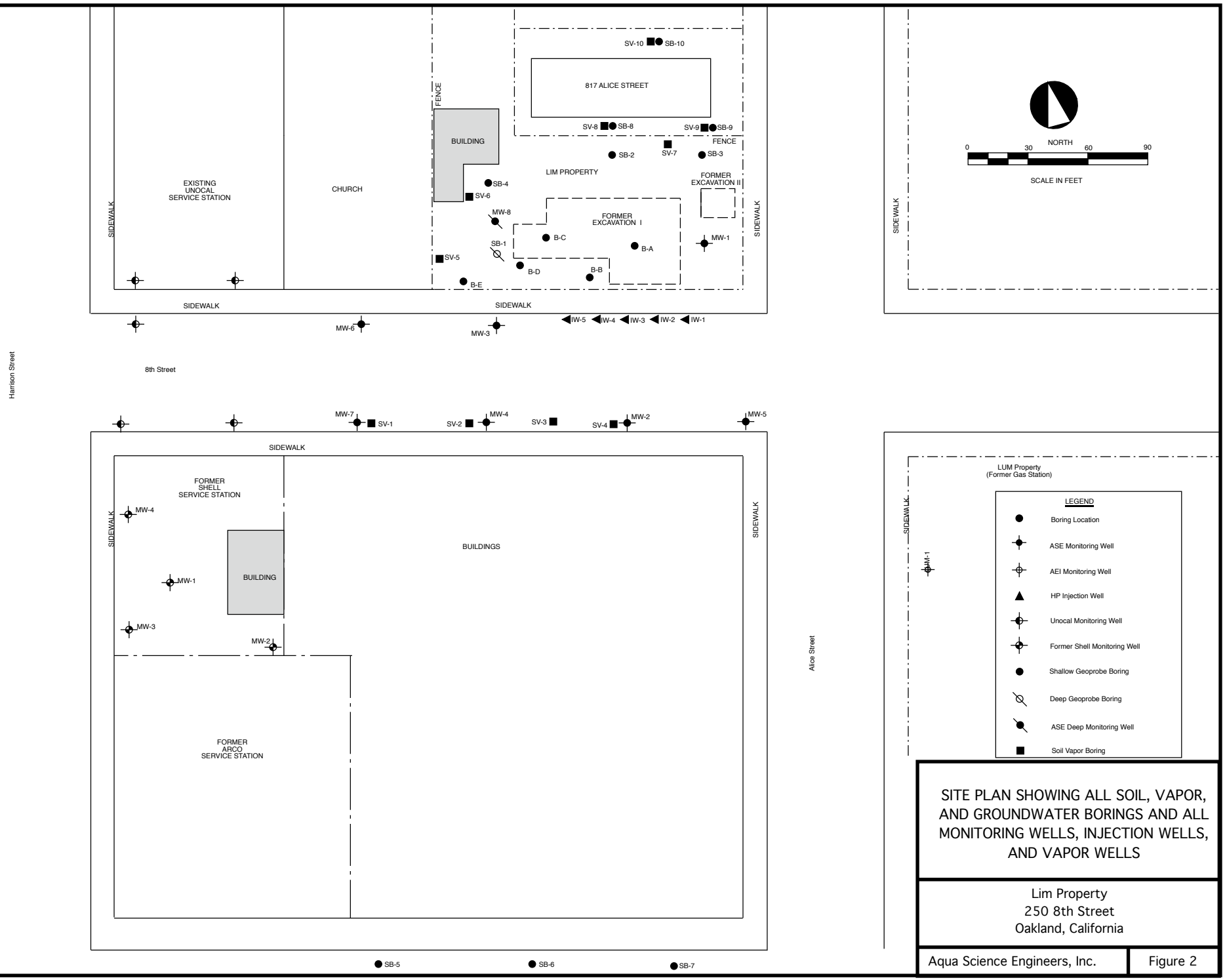


PROPOSED SOIL BORING LOCATION MAP

Yee Property

Aqua Science Eng

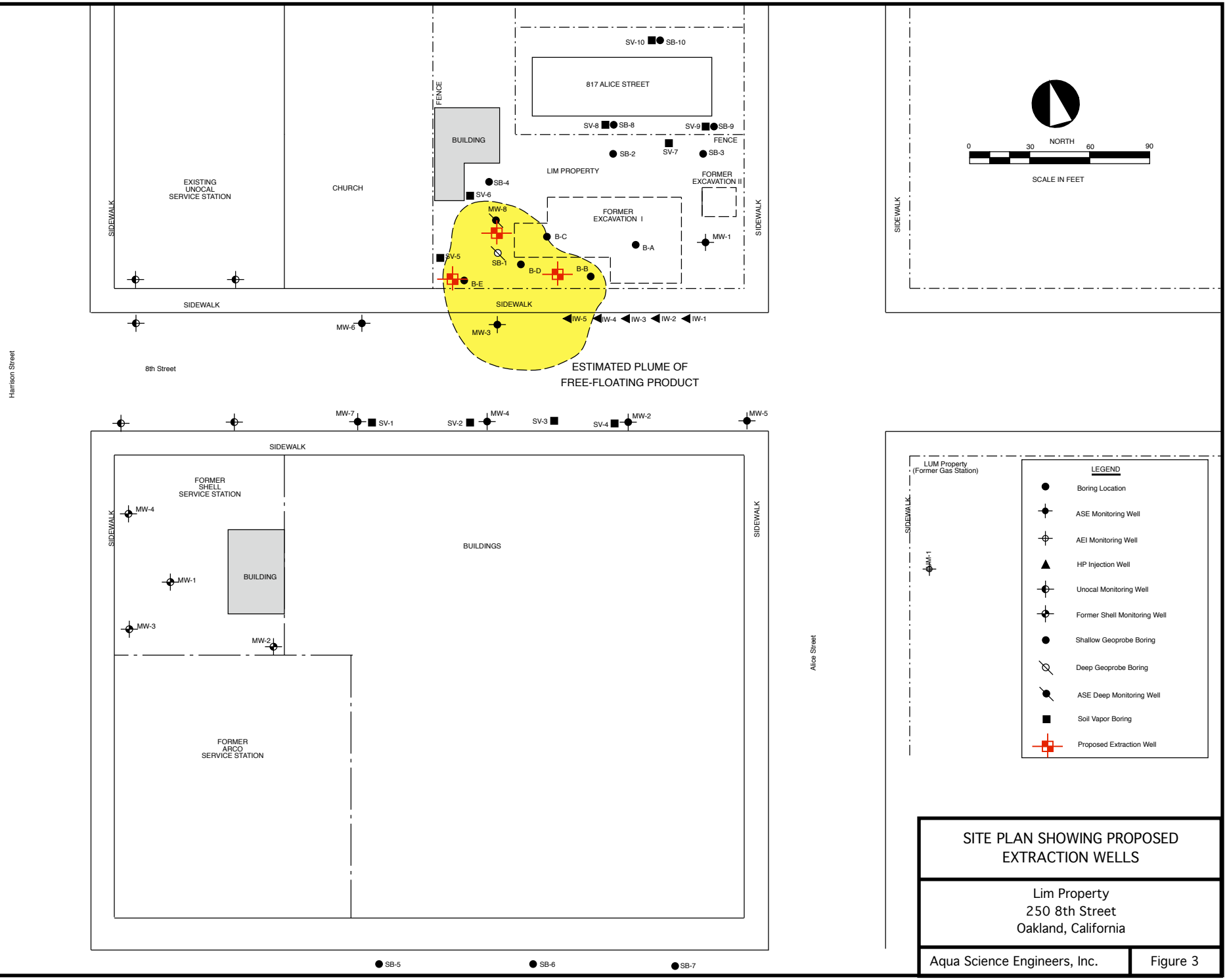
Figure 5



SITE PLAN SHOWING ALL SOIL, VAPOR, AND GROUNDWATER BORINGS AND ALL MONITORING WELLS, INJECTION WELLS, AND VAPOR WELLS

Lim Property
250 8th Street
Oakland, California

Aqua Science Engineers, Inc. | Figure 2



SITE PLAN SHOWING PROPOSED EXTRACTION WELLS

Lim Property
250 8th Street
Oakland, California

Aqua Science Engineers, Inc. | Figure 3