ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
COLLEEN CHAWLA, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

May 10, 2018

Mr. Leland Douglas (Sent via e-mail to: lee@douglasparking.com)
Douglas Parking Company
1330 Broadway, Suite 300
Oakland, CA 94612

NASH-Holland 1721 Webster Investors, LLC
1970 Broadway, Suite 300
Oakland, CA 94612
Attention: Mr. John Wayland (Sent via e-mail to: jwayland@hollandpartnergroup.com)

Subject: Case Closure for Fuel Leak Case RO0000129 and Geotracker Global ID T0600100140, Douglas Parking Company, 1721 Webster Street, Oakland, CA 94612

Dear Ladies and Gentlemen:

This letter transmits the enclosed Remedial Action Completion Certificate and Case Closure Summary for the subject leaking underground fuel tank case. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. This Remedial Action Completion Certificate and the case closure summary can also be viewed on the State Water Resources Control Board's GeoTracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

This site is closed with residual contamination that limit future land use to the current commercial land use. Land use restrictions are described in the attached Case Closure Summary.

If you have any questions, please call the Caseworker, Karel Detterman, at (510) 567-6708. Thank you.

Sincerely,

Dilan Roe, P.E.
Chief, Land Water Division

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

cc with enclosure:

Bob Clark-Riddell, PANGEA, 1710 Franklin Street, Suite 200, Oakland, CA 94612, (Sent via E-mail to: briddell@pangeaenv.com)

Brian McKim, Holland Partnership Group, 4301 Hacienda Drive, Suite 250, Pleasanton, CA 94588 (Sent via E-mail to: bmckim@hollandpartnergroup.com)

Dilan Roe, ACDEH (Sent via e-mail to: dilan.roe@acgov.org)
Karel Detterman, ACDEH (Sent via e-mail to: karel.detterman@acgov.org)
Paresh Khatri, ACDEH (Sent via e-mail to: paresh.khatri@acgov.org)
Case Electronic File, GeoTracker

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REMEDIAL ACTION COMPLETION CERTIFICATION

May 10, 2018

Mr. Leland Douglas (Sent via e-mail to: lee@douglasparking.com)
Douglas Parking Company
1330 Broadway, Suite 300
Oakland, CA 94612

NASH-Holland 1721 Webster Investors, LLC
1970 Broadway, Suite 300
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Attention: Mr. John Wayland (Sent via e-mail to: jwayland@hollandpartnergroup.com)

Subject: Case Closure for Fuel Leak Case RO0000129 and Geotracker Global ID T0600100140, Douglas Parking Company, 1721 Webster Street, Oakland, CA 94612

Dear Responsible Parties:

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

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

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

Sincerely,

Ronald Browder
Director

Leaking Underground Storage Tank (LUST) Cleanup Site
Case Closure Summary Form
Douglas Parking Company(T0600100140/RO0000129)

1. CASE INFORMATION

A. Facility/Site Address (Case Name & Address)

Project Name	Address
Douglas Parking Company	1721 Webster St. Oakland, CA 94612

B. Case Identification Numbers

Cleanup Oversight Agencies	Case/ID No
Alameda County Local Oversight Program (LOP) - Lead Agency	RO0000129
San Francisco Bay Regional Water Quality Control Board (Region 2)	01-0151
State Water Resources Control Board GeoTracker Global ID	T0600100140

C. Lead Agency Information

Agency Name:	Agency Address:	Agency Phone:
Alameda County Department of Environmental Health (ACDEH)	1131 Harbor Bay Parkway, Alameda, CA 94502-6577	(510) 567-6700
Case Worker:	LOP Supervisor:	Land Water Division Chief:
Karel Detterman, PG 5628	Paresh Khatri	Dilan Roe, PE C73703

D. Responsible Party Information

Responsible Parties:	Address:
Nash Holland 1721 Webster Investors LLC	1970 Broadway, Suite 300 Oakland, Ca, 94612
Douglas Motor Service & Douglas Parking Company	1330 Broadway Suite 630, Oakland, Ca 94612-3411
Leland Douglas, Douglas Motor Service	1721 Webster Street, Oakland, Ca 94612-3411
Leland Douglas, Douglas Parking Company	1721 Webster Street, Oakland, Ca 94612-3411

2. PROPERTY INFORMATION

A. Assessor Parcel Numbers (APNs)

Current	8-624-6 and 8-624-7
Historic	Not Applicable

B. Alternate Addresses (As per County of Alameda Assessor's Office Property Value System)

1711 Webster Street, associated with APN 8-624-7
1715 Webster Street, associated with APN 8-624-7
1717 Webster Street, associated with APN 8-624-7
1721 Webster Street, associated with APN 8-624-7
1721½ Webster Street, associated with APN 8-624-7
1723 Webster Street, associated with APN 8-624-7
1725 Webster Street, associated with APN 8-624-7
1727 Webster Street, associated with APN 8-624-7
1731 Webster Street, associated with APN 8-624-6
1733 Webster Street, , associated with APN 8-624-6
1737 Webster Street, associated with APN 8-624-6
1739 Webster Street, associated with APN 8-624-6

C. Environmental Cases Associated with Property

Case Type	Lead Oversight Agency	Site ID Geotracker ID/LOP Case No.	Potential Contaminants of Concern	Status (Open/Closed)
LUST[1]	ACDEH	T0600100140/RO0000129	TPHg, BTEX, Naphthalene, Fuel Oxygenates	1993/ May 2018
SCP[1]	ACDEH	T10000011235/RO0003268	TPHg, TPHd, TPHmo, TPHho, BTEX, MTBE, naphthalene, PCBs, metals, chlorinated solvents	Jan 2018/ Present
Other[2]	DTSC	Not Applicable	Not Applicable	Not Applicable
Other[3]	EPA	Not Applicable	Not Applicable	Not Applicable
Post- Closure[1]	N/A	Not Applicable	Not Applicable	Not Applicable

[1] Refer to the State Water Resources Control Board's GeoTracker database for case information: https://geotracker.waterboards.ca.gov

[2] Refer to the California Department of Toxics Substances Control Board's (DTSC) Envirostor database for case information: http://www.dtsc.ca.gov/sitecleanup/cleanup_sites_index.cfm

[3] Refer to the United States Environmental Protection Agency's (EPA) Site Specific National Cleanup Databases for case information: https://www.epa.gov/cleanups/site-specific-national-cleanup-databases

2. PROPERTY INFORMATION

D. Identified Historic Land Use & Operations

Type	Description
Residential & Commercial	Historical research documented that the subject property parcels were developed with a residence and a nursery including a greenhouse in the late 1800s, residences in the early 1900s, and by the 1930s with buildings in the approximate configuration of the present day. Site improvements include two slab on-grade buildings constructed in 1930. Vehicle parking and a variety of automotive service operations including painting, auto repairing and fueling were present in at least the 1950s and 1960s until 2017 along with other commercial operations including restaurants, pet food sales, a hair salon and a fitness center. In 1993 Leaking Underground Storage Tank (LUFT) Case No. T0600100140/RO0000129 was opened by ACDEH to investigate an unauthorized release from historic underground storage tanks (USTs) and associated system components.

Type	Description
Residential & Commercial	During a Phase 1 environmental site assessment conducted in 2016 for a property transaction, additional recognized environmental concerns were identified at the site including the presence of three in-ground hydraulic hoists used for historic vehicle servicing operations in the parking garage and it appeared that the hoist equipment had not been removed. No drains, sumps or pits other than the hydraulic equipment pits were observed during site reconnaissance. Soil and groundwater samples were collected in 2016 during a Phase 2 investigation conducted in association with the property transaction to assess environmental concerns indentified during the Phase 1 that had not been investigated as part of the LUFT case. The investigation included collection of soil and groundwater samples from ten soil borings (SB-1 through SB-10) and groundwater from monitoring well MW-1 to assess potential impacts to soil and groundwater from historical operations at and in the vicinity of the site including soil and groundwater conditions in the vicinity of vehicle servicing operations and hydraulic lift area, soil quality in fill areas identified in boring logs and in the dumpster area, and soil and groundwater conditions in the vicinity of the dry cleaner operations located southwest of the property. In 2018 Site Cleanup Program Case No. T10000011235/RO0003268 was opened by ACDEH to provide regulatory oversight during redevelopment of the site into a multi-use commercial/residential facility.

3. LUST CASE SUMMARY

A. Reason Case Opened

Leaking Underground Storage Tank (LUST) Cleanup Site Case No. T0600100140/RO0000129 was opened in 1993 by ACDEH to investigate and evaluate impacts to human health and the environment associated with an unauthorized release from three USTs and associated UST system components that were removed from the site in 1992.

Other potential chemicals of concern from historic land use and operations at the site were not evaluated in association with this LUST case.

B. Known UST Systems at the Site

UST System Component	Size / Quantity	Material Stored	Status	URF Filing Date:
Former UST	1,000-gallon	Gasoline	Removed	01/07/1993
Former UST	500-gallon	Gasoline	Removed	01/07/1993
Former UST	500-gallon	Gasoline	Removed	01/07/1993

C. Unauthorized Release Description

In 1992, one 1,000-gallon and two 500-gallon gasoline underground storage tanks (USTs) located in the Webster Street sidewalk, two pumps and associated product lines were removed from the site. None of the tanks had visible holes. Seven soil samples (T-1 through T-7) were collected from beneath the USTs and four soil samples (SW-1 through SW-4) were collected from the sidewalls of the excavations at depths ranging from 7 to 14 feet below ground surface (bgs). Six soil samples (L-1 through L-6) were collected directly beneath the former pipelines and pump locations extending within the site structure at depths ranging from 1.5 to 2 feet bgs. No groundwater was observed in the tank pits. After soil sampling was completed, the excavations were backfilled and resurfaced with concrete. One composite sample (C1) was collected from the excavated soil stockpile. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene and xylenes (BTEX). All samples collected from the tank excavations had detectable concentrations of gasoline and BTEX, with up to 1,500 milligrams per kilogram (mg/kg) TPHg, 12 mg/kg benzene, 140 mg/kg toluene, 48 mg/kg of ethylbenzene and 280 mg/kg xylenes. Samples collected from beneath the product lines and pumps had minimal or non-detectable petroleum hydrocarbons. Petroleum hydrocarbon concentrations in confirmation samples collected during UST system removal activities indicated an unauthorized release had occurred at the site.

D. Site Investigations

Site investigation activities associated with the LUFT case were conducted from 1993 to 2017 to evaluate the extent of subsurface impacts to soil, soil vapor and groundwater from the UST system release. The investigations included collection and analysis of (1) soil samples from 21 soil bores (EB-1 through EB-6, SB-A through SB-I, MW-6, CB-1, CB-2, SB-4, SB-5, and SB-7); (2) groundwater samples from seven monitoring wells (MW-1 through MW-7), three air sparging wells (AS-1 through AS-3), and 15 soil bores (SB-A through SB-G, EB-1GWS through EB-6GWS, and SB4, and SB-7); and (3) vapor samples from two soil gas probes (SG-1 and SG-2) and three subslab probes (SS-1 through SS-3).

E. Remediation

In addition to excavation of the UST tank pit, several remedial techniques were implemented at the site between 1998 and 2010 including installation of Oxygen-Reducing Compound (ORC) socks in monitoring well MW-2; addition of hydrogen peroxide to MW-2 and MW-3; and operation of a soil vapor extraction and air sparging system.

3. LUST CASE SUMMARY (CONTINUED)

F. Constituents Evaluated & Residual Contamination Remaining at Closure

Material Stored/Dispensed in UST System	Analytes	Sampled, Residual	Media						
			S	GW	SW	SV	SS	IA	OA
Engine Fuels ☒ Gasoline Fuel (1, 2, 9, 10, 11, 12, 13, 14) ☐ Diesel Fuel (2, 9, 10) ☐ Jet Fuel (1, 2, 4, 9, 10) **Heating Oils** ☐ Kerosene (2, 5, 9, 10) ☐ Residential Heating Oils (2, 3, 9, 10) ☐ Commercial & Industrial Heating Oils (1, 2, 3, 7, 9, 10, 15, 16) **Other Oils** ☐ Waste (Used) Oil (1, 2, 3, 9, 10, 15, 16, 17, 18) ☐ Hydraulic Oil (8, 16, 17) ☐ Dielectric Oil (2, 3, 10, 16, 17) ☐ Unknown Oil (1, 2, 3, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18) **Solvents** ☐ Hydrocarbon Solvents (2, 3, 6, 9, 10)	TPH-g[1]	Sampled	☒	☒	☐	☒	☒	☐	☐
		Residual	☒	☒	☐	☒	☒	☐	☐
	TPH-d[2]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-mo[3] (soil only)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-jf[4]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-k[5]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-ss[6]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH-bo[7]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	TPH- ho[8]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	BTEX[9]	Sampled	☒	☒	☐	☒	☒	☐	☐
		Residual	☒	☒	☐	☒	☒	☐	☐
	Naphthalene[10]	Sampled	☒	☒	☐	☐	☐	☐	☐
		Residual	☐	☒	☐	☐	☐	☐	☐
	MTBE/TBA[11]	Sampled	☒	☒	☐	☒	☒	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	EDB/EDC[12]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	Organic Lead[13] (TML, TEL)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	Fuel Oxygenates[14] (DIPE, TAME, EtOH, ETBE)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	VOCs[15] (full scan)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	SVOCs[16]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	PCBs[17]	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐
	Metals[18] (Cd, Cr, Pb, Ni, Zn)	Sampled	☐	☐	☐	☐	☐	☐	☐
		Residual	☐	☐	☐	☐	☐	☐	☐

S = Soil, GW = Groundwater, SW = Surface Water, SV = Soil Vapor, SS = Sub-Slab Vapor, IA = Indoor Air, OA = Outdoor Air

3. LUST CASE SUMMARY (CONTINUED)

G. Site Geology & Hydrogeology

The property is underlain primarily by sandy fill material to approximately 3 to 5 feet bgs across a majority of the site. The fill is underlain by a mixture of clay, silt and sand to a depth of approximately 14 feet bgs, underlain by sand and/or silty sand to a depth of 25 to 30 feet bgs.

Unconfined groundwater conditions exist at the site. A shallow water-bearing zone consisting of highly permeable sand is present beneath 14 feet bgs to a depth of 25 to 30 feet bgs, and is underlain by a silty clay layer. Since 1994, the depth to groundwater beneath and surrounding the site has ranged from approximately 13.6 feet bgs to 23.6 feet bgs over twenty-three years of monitoring. Groundwater elevation data indicates the groundwater beneath the site generally flows northwards to eastwards, consistent with the local topography.

H. Dissolved Phase Contaminant Plume

A groundwater monitoring well network consisting of seven monitoring wells (MW-1 through MW-7) and three extraction wells (AS-1 through AS-3) were installed at the site. Results of groundwater monitoring conducted from 1994 to 2017 indicated the dissolved phase contaminant plume is defined both laterally and vertically and has been decreasing over time. At time of case closure the plume length was estimated to be less than 250 feet as defined by analytical results from monitoring well MW-3 and MW-5

Contaminant concentrations are generally highest in source wells MW-2 and MW-3, which are both located near the former USTs, and in offsite wells MW-4 and MW-6 located down/cross gradient from the source area. Benzene concentrations have dramatically decreased in source area well MW-2 subsequent to the commencement of SVE/AS remediation in 2007. TPHg concentrations remain elevated but exhibit a long term declining trend in wells MW-2 and MW-3.

Hydrocarbons detected in wells MW-4 and MW-6 located across the street appear to be in part from an offsite source. Since the USTs were removed in 1992 and because of the lack of confirmed detectable historical MTBE in source wells, and higher MTBE concentrations in off-site wells, MTBE is not considered a compound of concern at this site.

The downgradient extent of TPHg and benzene contamination in groundwater is defined by monitoring well MW-5. The vertical extent of contamination at the site is defined by samples collected from wells AS-1 through AS-3. Wells AS-1 through AS-3 are screened from approximately 27 to 30 feet bgs and did not contain any contaminant concentrations above applicable environmental screeing levels except 10 µg/L benzene in well AS-1. The maximum explored depth at the site is approximately 30 feet bgs. There is a layer of clay at approximately 30 feet bgs near the former USTs that is likely preventing contaminants from migrating into deeper water-bearing zones.

I. Non Aqueous Phase Liquid (NAPL)

Indirect and direct evidence of non-aqueous phase liquid (NAPL) had been observed in soil and groundwater samples collected at the site. Direct evidence of free product includes observations of sheen in the location of the former USTs in boring logs EB-1GWS and EB-3GWS and in groundwater monitoring well MW-3 in 1994. However, no other observations of free product were observed at the site during subsequent groundwater monitoring events and investigations.

Indicators of residual-phase NAPL in soil and groundwater at the site include TPHg concentrations in soil up to 1,500 mg/kg and TPHg and BTEX concentrations in groundwater up to 394,000 micrograms per liter (µg/L) and greater than 20,000 µg/L, respectively. Generally, the highest concentrations of contaminants in soil and groundwater were detected during tank removal activities in August 1992 or during early investigations and groundwater monitoring events in 1994. Since 1994 concentrations in soil and groundwater indicate significant biodegradation of the residual NAPL in the vicinity of the former USTs has occurred.

3. LUST CASE SUMMARY (CONTINUED)

J. Soil

In 1992, elevated contaminant concentrations were detected in source area soil near the former USTs. In July 1994, elevated contaminant concentrations were detected east and northeast of the USTs at depths of approximately 20 and 20.5 feet bgs in predominately sandy soil. In February and May 1996, soil samples from borings SB-A through SB-I did not contain any contaminant concentrations above applicable environmental screening levels. Additionally, source area confirmation soil borings CB-1 and CB-2, drilled in December 2013 and analyzed for TPHg, BTEX, MTBE and naphthalene did not contain any detectable contaminant concentrations. The extent of soil contamination at the site is well defined by the existing soil sample data.

K. Soil Vapor

To evaluate soil vapor conditions at the site, soil vapor sampling was conducted from two semi-permanent soil gas probe locations (SG-1 and SG-2) installed at a depth of 5 feet bgs and three subslab vapor probes (SS-1, SS-2 and SS-3) installed beneath the slab of the building. Subslab probe SS-1 was installed near the source area in an adjacent retail building. Soil vapor probe SG-1 and subslab probe SS-2 were installed in the driveway near the source area. Soil gas probe SG- 2 and subslab probe SS-3 were installed near well MW-2 inside the parking garage near the office. Multiple rounds of soil vapor sampling was conducted. TPHg, benzene, toluene and xylenes were detected in soil vapor however the concentrations were below applicable commercial environmental screening levels. Methane concentrations were detected below the reporting limit of 5,200 micrograms per cubic meter ($\mu g/m^3$).

L. Preferential Pathways

To evaluate the potential for contaminant migration via preferential pathways, subsurface utilities were surveyed beneath the site and nearby vicinity and compared utility depths to groundwater depth and contaminants in site monitoring wells. The conduit study identified several subsurface utilities at or near the site. The primary conduits of concern were the two 18-inch diameter sanitary sewer lines adjacent to the site, which are the deepest of the identified conduits. Given the historical range of depth to water in site wells of approximately 18 to 22 feet bgs near the USTs and primary impact area, the 18-inch diameter sanitary sewer lines have very limited potential to intersect groundwater. Although the potentiometric surface of groundwater could occasionally be shallower than the bottom of these conduits, groundwater was first encountered at a depth of approximately 20 feet or deeper in site borings near the primary impact area. This information suggests that the sanitary sewer and storm drain lines do not likely act as preferential pathways for significant contaminant migration.

A survey was conducted of the surrounding businesses for subgrade structures to evaluate if basements were present that could potentially act as a preferential pathways for VOCs migration from the residual groundwater plume that could pose a potential vapor intrusion risk. No basements were identified in nearby buildings downgradient (north-northwest) of the site.

Refer to Attachment 13 for additional information on preferential pathways.

3. LUST CASE SUMMARY (CONTINUED)

M. Sensitive Receptors

A sensitive receptor survey was conducted that included a search for all domestic and municipal wells within ¼ mile radius of the site and identfiication of the nearest surface water bodies and land usage near the site. The purpose of the sensitive receptor survey was to help determine if site contamination poses risks to human health and the environment.

Commercial properties were identified as dominating both sides of Webster Street and most of the surrounding areas. Residential properties were identified as present above the commercial properties near the site, but were predominantly located northeast to southeast of the site, adjacent to Lake Merritt. The closest surface water body and water supply well were located at a distance greater than 1,000 feet from the site. No other sensitive receptors (e.g., hospitals, day care centers, senior facilities, etc.) were identified within the search area.

Refer to Attachment 5 and Attachment 13 for additional information.

N. Groundwater Beneficial Use

According to the Basin Plan from the San Francisco Bay Regional Water Quality Control Board, the site lies near the northern end of the East Bay Plain Subbasin of the Santa Clara Valley Basin. The *existing* beneficial uses for this basin include (1) municipal and domestic water supply, (2) industrial process water supply, (3) industrial service water supply and (4) agricultural water supply.

4. LUST CASE CLOSURE SUMMARY

A. Low Threat Closure Policy (LTCP) Evaluation

This UST release case has been evaluated for closure consistent with the State Water Resource Control Board's Low-Threat Underground Storage Tank Closure Policy (LTCP) for petroleum related contaminants. ACDEH has determined that the site meets all the LTCP General Criteria and Media Specific Criteria and thus the site poses a low threat to human health and safety and to the environment under current and reasonably anticipated near-term future scenarios.

At the time of case closure the property is being redeveloped with a mixed use commercial/residential facility. The entire site will be excavated to a depth of 16 feet bgs for underground parking and 20 feet bgs to accommodate four elevator pits. Engineering controls will be installed including a vapor mitigation system beneath the building and placement of concrete plugs in the utility trenches as mitigation measures for vapor migration.

Refer to Attachments 4 through 7 for detailed information on the LTCP evaluation.

Well Status (Groundwater) No. of Wells Installed: 10 (MW-1 through MW-7, AS-1 through AS-3) MW-4 and MW-7 paved over in 2015 but located and destroyed in 2017	No. of Wells Lost: 0
No. of Wells Destroyed: 10	No. of Wells Retained: 0

B. Vapor Probe Status

No. of Soil Vapor Probes (VP) Installed: 2 (SV-1, SV-2) No. of Sub-Slab Probes Installed: 3 (SS-1, SS-2, SS-3)	No. of VPs Lost: 3 (SS-1, SS-2, SS-3)
No. of VPs Destroyed: 2 (SV-1, SV-2)	No. of VPs Retained: 0

C. Remediation System Decommissioning

Type of System	Soil Vapor Extraction and Air Sparging System
Remediation System Components Removed	Yes

D. Waste Removal Status

All investigation and remediation derived waste associated with the gasoline UST release was removed from the site.

E. Public Comment

A 60 day public notification period was completed on April 10, 2018. Refer to Attachment 3 for case closure notification information. No comments were received.

5. ADMINISTRATIVE, INSTITUTIONAL & ENGINEERING CONTROLS

A. Land Use at Time of Closure

At the time of closure the land use at the site was a construction site where demolition of the existing structures were being demolished to facilitate construction of a planned mixed use commercial-residential building. Due to migration of volatile organic compounds in groundwater beneath the site from offsite sources the building is being constructed with engineering controls including a vapor mitigation system beneath the new foundation and plugs within utility trenches to mitigate vapor migration risks.

B. Administrative Controls

Site Management Requirements: Due to residual petroleum hydrocarbon subsurface contamination, the site has been closed with the following site management requirements. The site management requirements associated with this case are specific to petroleum hydrocarbon contamination related to historic releases from UST systems and do not address other site contamination that may be in the subsurface from historic land use at and in the vicinity of the site.

a. **Repair & Maintenance of Existing Site Improvements:** Any repair or maintenance activity of existing site improvements in areas of residual contamination requires planning and implementation of appropriate health and safety procedures prior to and during excavation activities. These activities include repair or maintenance of existing foundations, utility lines, hardscape, landscaping or other work occurring beneath the grade level of the existing finished surface. Activities covered under this category do not include modifications or redevelopment activities described below.

   Each contractor shall be responsible for the safety of its employees and site visitors and must adhere to a site-specific health and safety plan prepared for the work in accordance with California Occupational Safety and Health Administration requirements and use properly trained personnel in accordance with California Code of Regulations, Title 29, Part 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) standards.

a. **Modifications to Existing Site Improvements:** Prior to permitting of any proposed modifications to the existing site improvements that include modifications to the foundation, subsurface utilities and/or hardscape or subsurface work, the property owner and the local building and planning authority with permitting jurisdiction at the site must notify ACDEH as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed modifications to assess risk to human health under the proposed changes.

b. **Site Redevelopment.** Prior to permitting of any proposed site redevelopment including a change in land use to residential, or other conservative land use, the property owner and the local building and planning authority with permitting jurisdiction at the site must notify ACDEH as required by Government Code Section 65850.2.2. ACDEH will re-evaluate the site relative to the proposed redevelopment to assess risk to human health under the proposed land use scenario from subsurface contamination associated all recognized environmental concerns at the site.

C. Engineering & Institutional Controls

Vapor mitigation engineering controls are being installed as part of the site redevelopment and construction of the planned building. Regulatory oversight of the design, installation and long term monitoring of the vapor mitigation engineering controls is being provided by ACDEH under Site Cleanup Program Case No. T10000011235/RO0003268. Prior to building occupancy a Land Use Covenant will be recorded for the property.

6. ADMINISTRATIVE, INSTITUTIONAL & ENGINEERING CONTROLS (CONTINUED)

D. Environmental Due Diligence

ACDEH recommends that during the environmental due diligence process (initiated as part of activities including, but not limited to, property transactions, bank refinancing, and redevelopment) that the site and parcels in the vicinity of the site be evaluated for risk from and exposure to potential chemicals of concern identified at this site.

7. LOCAL AGENCY SIGNATURES

Dilan Roe, PE, C73703	Title: Chief, Land Water Division
Signature: Dilan Roe	Date: MAY 10, 2018
Paresh Khatri	LOP Supervisor
Signature: Paresh Khatri	Date: MAY 10, 2018
Karel Detterman, PG 5628	Title: Senior Hazardous Materials Specialist
Signature: Karel Detterman	Date: May 10, 2018

This Case Closure Summary along with the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. Case files can be viewed over the Internet on the Alameda County Department of Environmental Health website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Both databases should be reviewed to obtain a complete history.

ATTACHMENTS

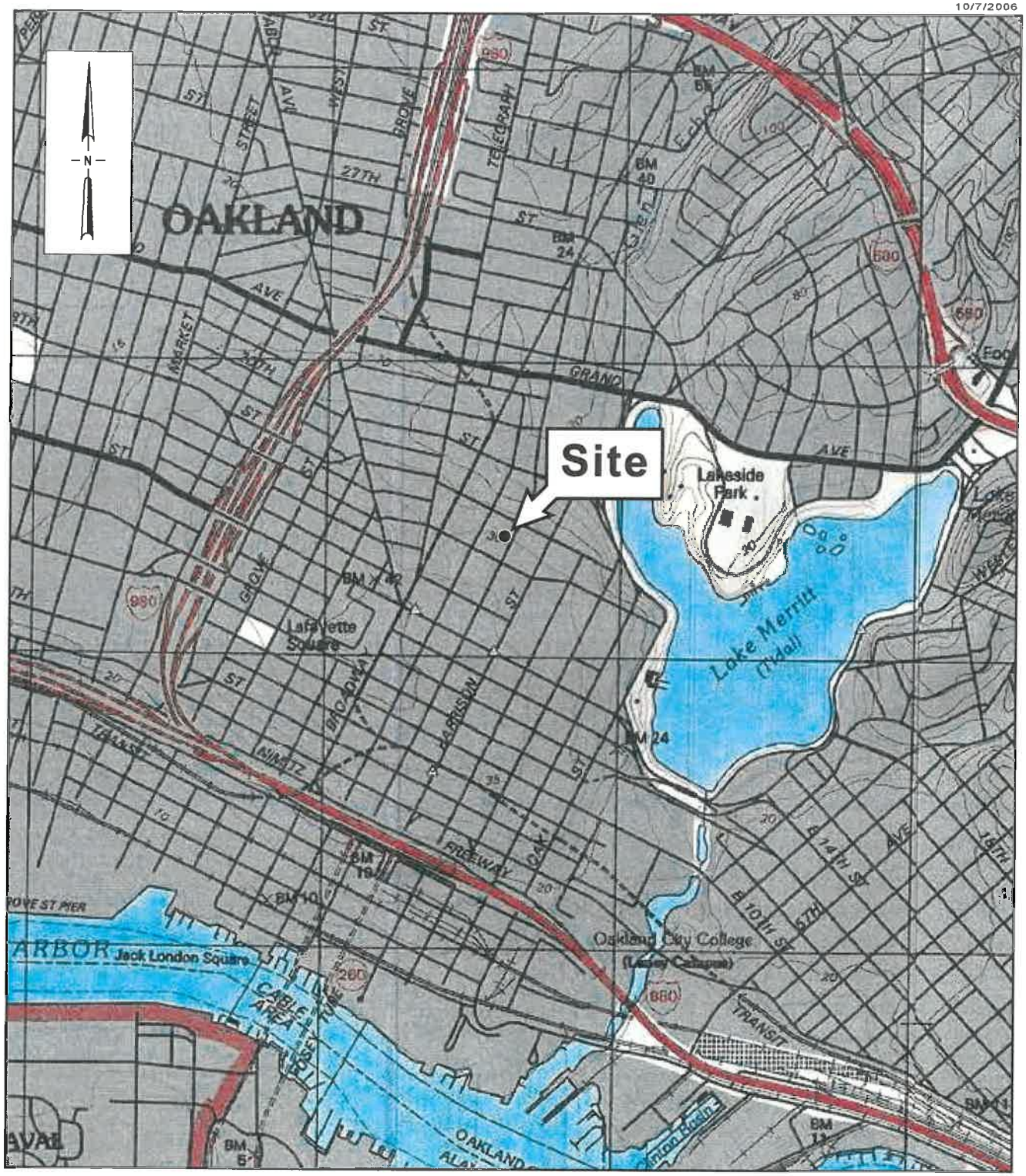
No.	Description	No. of Pages
1	Site Vicinity and Site Map Figures	5
2	Responsible Party Information	11
3	Case Closure Public Notification Information	1
4	Geotracker LTCP Evaluation Checklist	1
5	LTCP Media Specific Evaluation - Groundwater	2
6	LTCP Media Specific Evaluation - Vapor Intrusion	2
7	LTCP Media Specific Evaluation - Direct Contact	2
8	Figures with Sampling Locations	7
9	Boring Logs	38
10	Groundwater Data	28
11	Soil Data	6
12	Soil Vapor Data	2
13	Sensitive Receptor Data	4

ACRONYMS

ACDEH	Alameda County Department of Environmental Health
APN	Assessor Parcel Number
BTEX	benzene, toluene, ethylbenzene, xylenes
EDB	ethylene dibromide or 1,2-dichloroethane (1,2-DCA)
EDC	ethylene dichloride
CEG	Certified Engineering Geologist
Cd	cadmium
Cr	chromium
c/o	care of
DIPE	di-isopropyl ether
DTSC	California Department of Toxic Substances Control
EPA	Environmental Protection Agency
ETBE	Ethyl tert butyl ether
EtOC	ethanol
ft bgs	feet below ground surface
GW	groundwater
IA	indoor Air
ID	Identification
K	1,000
LOP	Local Oversight Program
LTCP	State Water Resources Control Board's Low Threat Closure Policy
LUST	Leaking Underground Storage Tank
MTBE/TBA	methyl tert butyl either/t-Butyl alcohol
Ni	nickel
NA	not analyzed
NR	not required
OA	outdoor air
Pb	lead
PCBs	polychlorinated biphenyls
PE	California Professional Engineer
PG	California Professional Geologist
S	soil
SCP	Site Cleanup Program
SS	sub-slab vapor
SV	soil vapor
SVOCs	semi volatile organic compounds
SW	surface water
TAME	tert amyl methyl ether
TPHbo	total petroleum hydrocarbons as bunker oil
TPHd	total petroleum hydrocarbons as diesel
TPHg	total petroleum hydrocarbons as gasoline
TPHho	total petroleum hydrocarbons as hydraulic oil
TPHjf	total petroleum hydrocarbons as jet fuel
TPHk	total petroleum hydrocarbons as kerosene
TPHmo	total petroleum hydrocarbons as motor oil
TPHss	total petroleum hydrocarbons as stoddard solvent
UST	Underground Storage Tank
VOCs	volatile organic compounds
Zn	zinc
mg/kg	milligrams per kilogram
µg/L	microgram per liter
µg/m3	microgram per cubic meter
>, <, ≥	greater than, less than, or greater than or equal to
%	percent

ATTACHMENT 1

10/7/2006



SOURCE: TOPO! MAPS

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

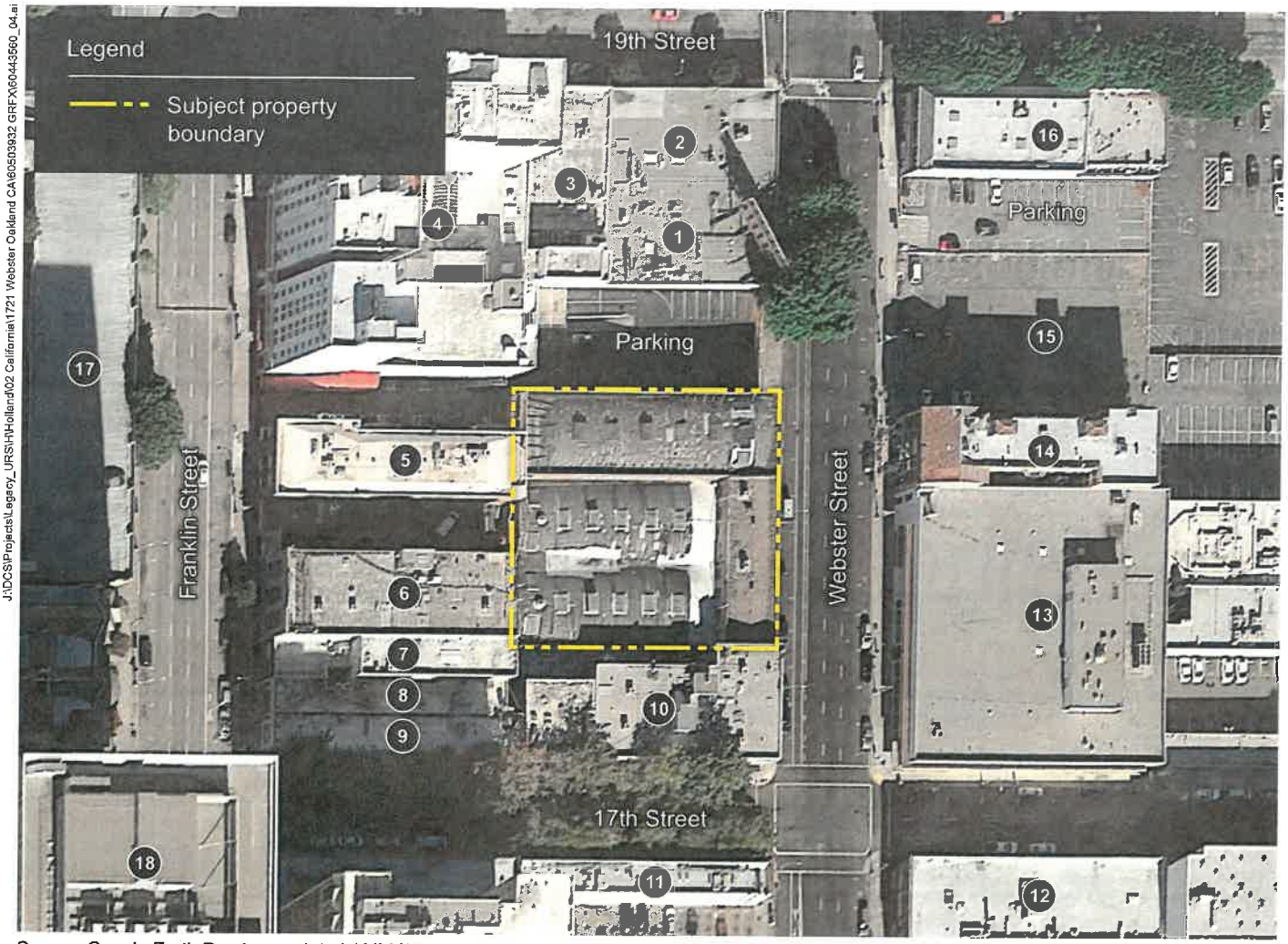
Figure 1

Vicinity Map

Douglas Parking Facility
1721 Webster Street
Oakland, California

PANGEA

J:\DCS\Projects\Legacy_URS\HHolland\002 California\1721 Webster Oakland CA\60503932 GRFX\60443560_04.ai



Source: Google Earth Pro, image dated 10/30/15

Neighboring Properties

1 Davan Thai Cuisine, 1803 Webster Street

2 Burger Gourmet, 351 19th Street
Bar 353, 353 19th Street
Parlour Restaurant, 357 19th Street
Rotisserie Deli, 361 19th Street

3 Mama's Vietnamese Restaurant, 365 19th Street

4 The Leamington Building (Former Hotel Now Office Space),1840 Franklin Street

5 Franklin Street, David Fong DDS, 1730 Franklin Street
Franklin Sequoia Healing Clinic, 1728 Franklin Street
CC Kitchen (Juice Bar), 1728A Franklin Street

6 Franklin, Mamacitas Café/UPS Store, 1714 Franklin Street

7 Franklin unknown, possibly Pangea Emvironmental Services, 1710 Franklin Street
Gene Waldman DDS, 1708 Franklin Street

8 Le Magic Cleaners, 1706 Franklin Street

9 Liba Falafel, 380 17th Street
Temple Tatoo, 384 17th Street
Oa LA LA Gift & Accessories, 386 17th Street
Unknown-Vacant, 388 and 390 17th Street

10 Mona's Hair Design & Mimi's Beauty Supply, 350 17th Street
Regina's Door (Vintage Dress Boutique), 352 17th Street
Pho 84 (Vietnamese Restaurant), 354 17th Street
Mimi's Custom Design & Alteration, 360 17th Street
Beauty Salon, 370 17th Street
Showcase Wigs, 372 17th Street
Change Hair Studio, 374 17th Street
Vacant (former convenience store), 378 17th Street

11 Restaurants

12 Howden Building (Howden Market/Spice Monkey Restaurant/ Bike Shop/Hamburger Restaurant), 337 17th Street

13 American Cancer Society, 1700/1710 Webster Street

14 Mentone Apartments, 1732 Webster Street
Molcajete Restaurant, 1734 Webster Street

15 Douglas Parking

16 Former Dai-Ten Japanese Restaurant), 1830 Webster Street
19th Street Station (Bar), 339 19th Street
Free Range Studios (Web Design), 343 19th Street
Wireless Options (mobile devices), 337 19th Street
Field Day Clothing Company, 329 19th Street
Vacant (former Bumas Pizza), 325 19th Street

17 Franklin Plaza Parking

18 First Church of Christ Scientist, 1701 Franklin Street

Project North

True North

0 100 200

Approximate Scale in Feet

Figure 2
Site Vicinity

AECOM

1721 Webster Street, Oakland, CA

Google Maps 1717 Webster St

Image capture: Jun 2011 © 2018 Google

Oakland, California

Google, Inc.

Street View - Jun 2011

Currently shown: Jun 2011

Google Maps 1721 Webster St

Image capture: Jan 2018 © 2018 Google

Oakland, California

Google, Inc.

Street View - Jan 2018

HOLLAND PARTNER GROUP

Rendering - Northeast Perspective

Planning Commission Hearing Submission

1721 Webster Oakland, CA

Holland Partner Group / Solomon Cordwell Buenz

2017_0517

2015015

A0.41

ATTACHMENT 2

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
COLLEEN CHAWLA, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

April 26, 2018

Mr. Leland Douglas
Douglas Parking Co.
1330 Broadway #630
Oakland, CA 94612
(Sent via e-mail to: lee@douglasparking.com)

Nash Holland 1721 Webster Investors LLC
1970 Broadway, Suite 300
Oakland, CA 94612

Subject: Updated Notice of Responsibility, Fuel Leak Case RO0000129 and GeoTracker Global ID T0600100140 Douglas Parking Co, 1721 Webster ST, Oakland, CA 94612

Dear Ladies and Gentlemen:

In a Notice of Requirement to Reimburse dated November 20, 1992, Leland Douglas of the Douglas Motor Service was notified that the above referenced site had been placed in the Local Oversight Program and that they had been named as a Responsible Party for the fuel leak case. Additional parties have been named as Responsible Parties for the fuel leak case in the attached updated NOR as defined under 23 C.C.R Sec. 2720. Please see Attachment A – Responsible Parties Data Sheet, which identifies all Responsible Parties and provides background on the unauthorized release and Responsible Party Identification.

Should you have any questions, please contact me at (510) 567–6708 or send me an e-mail message at karel.detterman@acgov.org.

Sincerely,

Karel Detterman, P.G.
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

Attachment A – Responsible Parties Data Sheet-Notice of Responsibility (NOR)

cc: Dilan Roe (sent via electronic mail to: dilan.roe@acgov.org)
Paresh Khatri (sent via electronic mail to: paresh.khatri@acgov.org)
Karel Detterman, ACEH, (sent via electronic mail to: karel.detterman@acgov.org)
Case Electronic File, GeoTracker

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
COLLEEN CHAWLA, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777

Certified Mail #: 7011 3500 0003 1934 9013

April 26, 2018

NOTICE OF RESPONSIBILITY

Site Name & Address

Douglas Parking Company
1721 Webster Street
Oakland, CA 94612

Local ID: RO0000129
Related ID: STID 4070
RWQCB ID: 01-0150
Global ID: T0600100140

Date First Reported: 1/7/1993
Substance:

- 8006619-Gasoline-Automotive,

Funding for Oversight: LOPs LOP State Fund
Multiple RPs? Yes

Responsible Party:

NASH HOLLAND 1721 WEBSTER INVESTORS LLC
1970 BROADWAY, SUITE 300
OAKLAND, CA, 94612

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified NASH HOLLAND 1721 WEBSTER INVESTORS LLC as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker Karel Detterman at this office at 510-567-6708 if you have any questions regarding your site.

Ronald Browder Date: 04-26-18

RONALD BROWDER, Director
Contract Project Director

Action: ADD

Reason: UPDATE

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY
COLLEEN CHAWLA, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777

Certified Mail #:

April 26, 2018

NOTICE OF RESPONSIBILITY

Site Name & Address

Douglas Parking Company
1721 Webster Street
Oakland, CA 94612

Responsible Party:

DOUGLAS MOTOR SERVICE & DOUGLAS PARKING COMPANY
1721 WEBSTER ST
OAKLAND, CA 94612-3411

Local ID: RO0000129
Related ID: STID 4070
RWQCB ID: 01-0150
Global ID: T0600100140

Date First Reported: 1/7/1993
Substance:

- 8006619-Gasoline-Automotive,

Funding for Oversight: LOPs LOP State Fund
Multiple RPs? Yes

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified DOUGLAS MOTOR SERVICE & DOUGLAS PARKING COMPANY as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency, within 20 calendar days of receipt of this notice that identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5752.

Pursuant to section 25296.10(c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the designation process.

Please contact your caseworker Karel Detterman at this office at 510-567-6708 if you have any questions regarding your site.

Date:

RONALD BROWDER, Director
Contract Project Director

Action: ADD

Reason: UPDATE

cc: Cindy Davis, SWRCB (email: cindy.davis@waterboards.ca.gov) | Dilan Roe (email: dilan.roe@acgov.org), File

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH
LUFT LOCAL OVERSIGHT PROGRAM

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET

4/26/2018

Site Name & Address:

Douglas Parking Co
1721 Webster St.
Oakland, CA 94612

Local ID: **RO0000129**
Related ID: **STID 4070**
RWQCB ID: **01-0150**
Global ID: T0600100140

All Responsible Parties

RP has been named a Primary RP –NASH HOLLAND 1721 WEBSTER INVESTORS LLC
1970 BROADWAY, SUITE 300|Oakland, CA 94612 | No Phone Number Listed

RP has been named a Primary RP – DOUGLAS MOTOR SERVICE & DOUGLAS PARKING COMPANY
1330 Broadway #630| OAKLAND, CA 94612-3411 | No Phone Number Listed

Responsible Party Identification Background

Alameda County Department of Environmental Health (ACDEH) names a "Responsible Party," as defined under 23 C.C.R Sec. 2720. Section 2720 defines a responsible party four ways. An RP can be:

1. "Any person who owns or operates an underground storage tank used for the storage of any hazardous substance."
2. "In the case of any underground storage tank no longer in use, any person who owned or operated the underground storage tank immediately before the discontinuation of its use."
3. "Any owner of property where an unauthorized release of a hazardous substance from an underground storage tank has occurred."
4. "Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

ATTACHMENT A - RESPONSIBLE PARTIES DATA SHEET (Continued)

4/26/2018

Existence of Unauthorized Release

On August 3 and 6, 1992 one 1,000-gallon gasoline and two 500-gallon gasoline underground storage tanks (USTs) from the subject site. Up to 1,500 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPHg) and up to 12 mg/kg benzene were detected in the soil samples collected from the UST excavation. These data indicate that an unauthorized release from the USTs had occurred at the site.

Responsible Party Identification

APN 8-624-6 and APN 8-624-7

DOUGLAS MOTOR SERVICE & DOUGLAS PARKING COMPANY purchased or acquired the property in 12/22/1977. **DOUGLAS MOTOR SERVICE & DOUGLAS PARKING COMPANY** is a Responsible Party for the site because it owned or operated an underground storage tank used for the storage of any hazardous substance (Definition 1), it owned or operated the underground storage tank immediately before the discontinuation of its use (Definition 2), it owned the property where an unauthorized release of a hazardous substance from an underground storage tank has occurred (Definition 3), and it had control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance (Definition 4).

NASH HOLLAND 1721 WEBSTER INVESTORS LLC purchased or acquired the property in 11/07/2017. **NASH HOLLAND 1721 WEBSTER INVESTORS LLC** is a Responsible Party for the site because it owns the property where an unauthorized release of a hazardous substance from an underground storage tank has occurred (Definition 3).

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

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

Certified Mail # P 113 815 231

11/20/92
STID# 4070

Notice of Requirement to Reimburse

Leland Douglas
Douglas Motor Service
1721 Webster St.
Oakland, Ca 94612

Responsible Party
Property Owner

Douglas Parking Co.
1721 Webster St.
Oakland , CA 94612

SITE

Date First Reported 08/12/92
Substance: Gasoline
Petroleum: (X)Yes

The federal Petroleum Leaking Underground Storage Tank Trust Fund (Federal Trust Fund) provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The direct and indirect costs of site investigation or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund. The above individual(s) or entity(ies) have been indentified as the party or parties responsible for investigation and cleanup of the above site. **YOU ARE HEREBY NOTIFIED** that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the California Health and Safety Code, the above Responsible Party or Parties must reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties must make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Please contact Tom PEACOCK, Supervising Hazardous Materials Specialist at this office if you have any questions concerning this matter.

Edgar B. Howell, III, Chief
Contract Project Director

cc: Sandra Malos, SWRCB

SWRCB Use: Add: X Reason: New Case

P 113 815 231

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

(TP) #4070

Sent to: Leland Douglas	
Street and No.: 1721 Webster Street	
P.O., State and ZIP Code: Oakland CA 94612	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, June 1991

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
(TO) #4070

Leland Douglas
Douglas Motor Service
1721 Webster Street
Oakland CA 94612

4a. Article Number
P 113 815 231

4b. Service Type
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
11-24

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

PS Form 3811, December 1991 ★ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIPT

COUNTY OF ALAMEDA
Assessor's Office
Property Value System

Help

New Query

History | Value | Transfer | Map | Glossary

Parcel Number:**8-624-6** Inactive:**N** Lien Date:**01/01/2017** Owner:**NASH HOLLAND 1721 WEBSTER INVESTORS LLC**
Property Address: **1739 WEBSTER ST, OAKLAND, CA 94612**

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
NASH HOLLAND 1721 WEBSTER INVESTORS LLC	List Owners	1111 MAIN ST STE 700, VANCOUVER, WA 98660-2970	11/07/2017	2017-246331		2	8400
DOUGLAS MOTOR SERVICE & DOUGLAS PARKING COMPANY	List Owners	1721 WEBSTER ST , OAKLAND, CA 94612-3411	12/22/1977	1977-251658		2	8400
BIRD WILLIAM H	List Owners	1739 WEBSTER ST , OAKLAND, CA 94612-3411	03/24/1971	1971-33194		1	8400
TRANSAMERICA TITLE INSURANCE COMPANY	List Owners	1739 WEBSTER ST , OAKLAND, CA 94612-3411	04/23/1969	1969-44959		1	8400

COUNTY OF ALAMEDA
Assessor's Office
Property Value System

Help

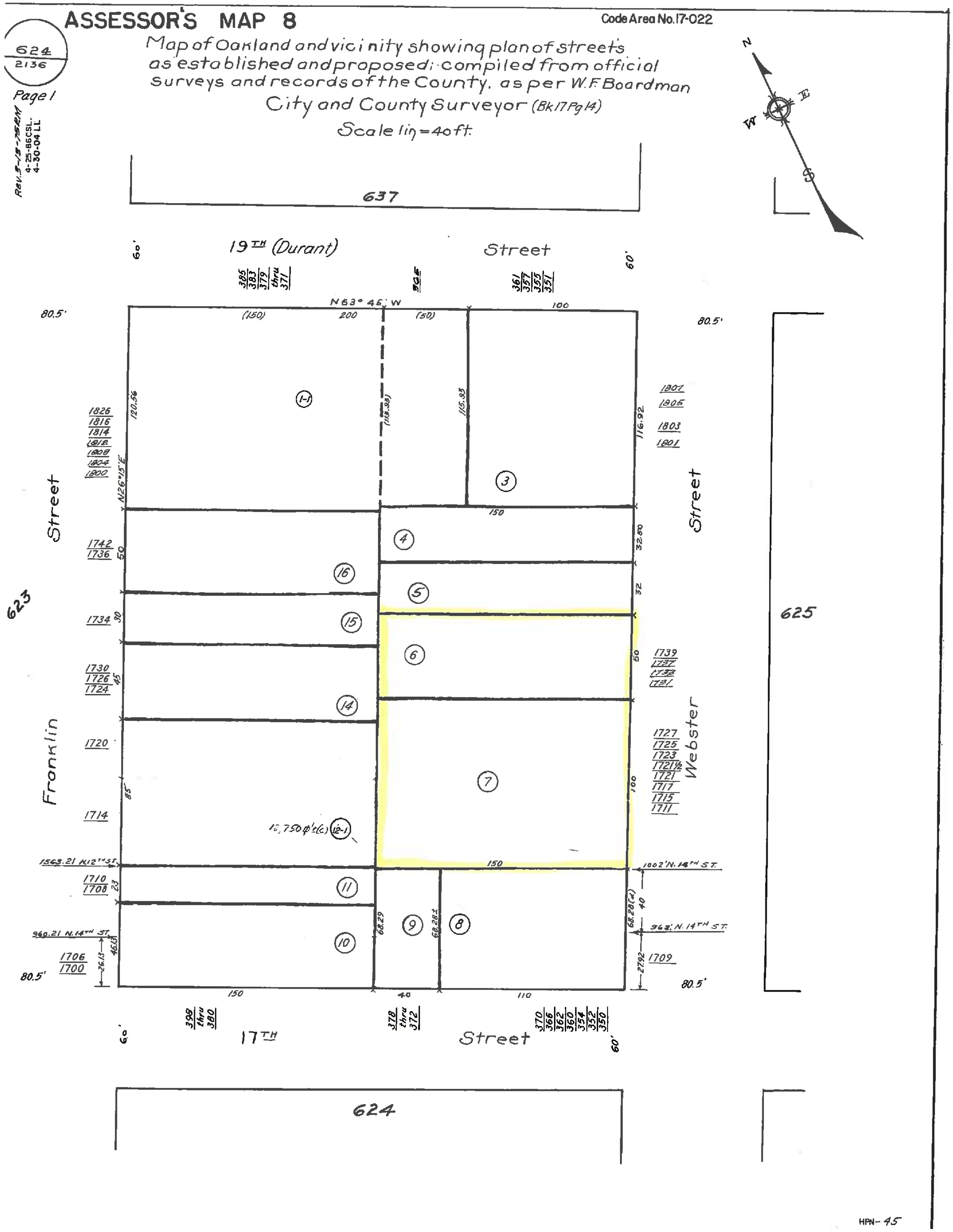
New Query

History | Value | Transfer | Map | Glossary

Parcel Number:**8-624-7** Inactive:**N** Lien Date:**01/01/2017** Owner:**NASH HOLLAND 1721 WEBSTER INVESTORS LLC**

Property Address: **1717 WEBSTER ST, OAKLAND, CA 94612-3411**

Mailing Name		Historical Mailing Address	Document Date	Document Number	Value From Trans Tax	Parcel Count	Use
NASH HOLLAND 1721 WEBSTER INVESTORS LLC	List Owners	1111 MAIN ST STE 700, VANCOUVER, WA 98660-2970	11/07/2017	2017-246331		2	8400
DOUGLAS MOTOR SERVICE & DOUGLAS PARKING COMPANY	List Owners	1721 WEBSTER ST , OAKLAND, CA 94612-3411	12/22/1977	1977-251658		2	8400
BIRD WILLIAM H	List Owners	1717 WEBSTER ST , OAKLAND, CA 94612-3411	03/24/1971	1971-33195		1	8400
TRANSAMERICA TITLE INSURANCE COMPANY	List Owners	1717 WEBSTER ST , OAKLAND, CA 94612-3411	05/07/1969	1969-50865		1	8400


ASSESSOR'S MAP 8
Code Area No. 17-022
624
2136
Page 1
Map of Oakland and vicinity showing plan of streets as established and proposed; compiled from official surveys and records of the County, as per W.F. Boardman City and County Surveyor (Bk 17 Pg 14)
Scale 1in=40ft.
637
19TH (Durant) Street
17TH Street
Franklin Street
Webster Street
623
625
624
N63° 45' W
N26°15' E
1002' N. 14TH ST.
962' N. 14TH ST.
1563.21 N. 12TH ST.
960.21 N. 14TH ST.
12,750 sf (c)
HPN-45

ATTACHMENT 3

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
COLLEEN CHAWLA, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

INVITATION TO COMMENT – POTENTIAL CASE CLOSURE

Douglas Parking Company
1721 Webster Street
Oakland, CA 94612
FUEL LEAK CASE RO0000129
GEOTRACKER GLOBAL ID T0600100140

February 9, 2018

The above referenced site is a fuel leak case that is under the regulatory oversight of the Alameda County Department of Environmental Health (ACDEH) Local Oversight Program for the investigation and cleanup of a release of petroleum hydrocarbons from an underground storage tank system. Site investigation and cleanup activities have been completed and the site has been evaluated in accordance with the State Water Resources Control Board Low-Threat Closure Policy. The site appears to meet all of the criteria in the Low-Threat Closure Policy. Therefore, ACDEH is considering closure of the fuel leak case. Due to the residual contamination on site, the site would be closed to existing use with site management requirements that require further evaluation if the site is to be redeveloped in the future.

This notice is being sent to the current landowner in compliance with Health and Safety Code Section 25295.40. It is also being sent to the current occupants and landowners of adjacent properties and known interested parties for this site.

The public is invited to review and comment on the potential closure of the fuel leak case. The entire case file can be viewed over the Internet on the ACDEH website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Please send written comments to Ms. Karel Detterman at the address below; all comments will be forwarded to the responsible parties. Comments **received by April 10, 2018** will be considered and responded to prior to a final determination on the proposed case closure.

If you have comments or questions regarding this site, please contact the ACDEH caseworker, Karel Detterman at 510-567-6708 or by email at karel.detterman@acgov.org. Please refer to ACDEH case RO0000129 in any correspondence.

ATTACHMENT 4

GeoTracker | Regulator Tools | Reports | Other Tools | GAMA | Contact | Logout | Quick Search

DOUGLAS PARKING CO (T0600100140) - MAP THIS SITE — PUBLIC PAGE

1721 WEBSTER ST
OAKLAND , CA 94612
ALAMEDA COUNTY
LUST CLEANUP SITE (INFO)
STATUS: OPEN - ELIGIBLE FOR CLOSURE

PERTINENT INFORMATION
CUF Claim #: 8988 CUF Priority Assigned: C CUF Amount Paid: $675,173

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP (LEAD) - CASE # RO0000129 - KAREL DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE # 01-0151 - Regional Water Board

Activities Report | Documents / Data | Environmental Conditions | Admin | Funding | Case Reviews

THERE ARE 1 OTHER CASES ASSOCIATED WITH THIS CASE - SHOW

THIS PROJECT WAS LAST MODIFIED BY KAREL DETTERMAN ON 5/9/2018 4:35:27 PM - HISTORY

CLOSURE POLICY — *THIS VERSION IS FINAL AS OF 5/9/2018* — CHECKLIST INITIATED ON 5/28/2013 — CLOSURE POLICY HISTORY

General Criteria - *The site satisfies the policy general criteria* - CLEAR SECTION ANSWERS — YES

a. Is the unauthorized release located within the service area of a public water system?
Name of Water System: EBMUD — ◉ YES ○ NO

b. The unauthorized release consists only of petroleum (info). — ◉ YES ○ NO

c. The unauthorized ("primary") release from the UST system has been stopped. — ◉ YES ○ NO

d. Free product has been removed to the maximum extent practicable (info). — ◉ FP Not Encountered ○ YES ○ NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info) — ◉ YES ○ NO

f. Secondary source has been removed to the extent practicable (info). — ◉ YES ○ NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15 — ○ Not Required ◉ YES ○ NO

h. Does a nuisance exist, as defined by Water Code section 13050. — ○ YES ◉ NO

1. Media-Specific Criteria: Groundwater - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - Info) — ○ YES ◉ NO

Does the site meet any of the Groundwater specific criteria scenarios? — ◉ YES ○ NO

1.4 - The contaminant plume that exceeds water quality objectives is <1,000 feet in length. There is no free product. The nearest existing water supply well or surface water body is >1,000 feet from the defined plume boundary. The dissolved concentrations of benzene and MTBE are both <1,000 µg/L. — ◉ YES ○ NO

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Active Commercial Petroleum Fueling Facility — ○ YES ◉ NO

Does the site meet any of the Petroleum Vapor Intrusion to Indoor Air specific criteria scenarios? — ◉ YES ○ NO

2a - Scenario 4 (example): Direct Measurement of Soil Gas Concentrations — YES

i. Soil Gas Sampling Locations – No Bioattenuation Zone:
- Beneath or adjacent to an existing building: Soil gas sample is collected at least 5 feet below the bottom of the building foundation. — ○ YES ○ NO
- Future construction: The soil gas sample shall be collected from at least 5 feet below the ground surface (bgs). — ○ YES ○ NO

ii. Soil Gas Sampling Locations – with Bioattenuation Zone: The criteria in Column A in the Soil Gas Criteria table (page 5 of the Policy) apply if the following requirements for a bioattenuation zone are satisfied: — YES
- Minimum of 5 feet of soil between the soil vapor measurement and the foundation of an existing or ground surface of future construction. — ◉ YES ○ NO
- TPH (TPHg + TPHd) is <100 mg/kg (measured in at least two depths within the 5-ft zone) — ◉ YES ○ NO
- Oxygen is ≥ 4% measured at the bottom of the 5-ft zone. — ◉ YES ○ NO

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - CLEAR SECTION ANSWERS — YES

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination — ○ YES ◉ NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios? — ◉ YES ○ NO

3(a) - Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the following table (LINK) for the specified depth below ground surface. — ◉ YES ○ NO

Additional Information

This case should be kept OPEN in spite of meeting policy criteria. — ○ YES ◉ NO

Has this LTCP Checklist been updated for FY 17/18? — ◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

ATTACHMENT 5

Attachment 5: LTCP Media Specific Evaluation - Groundwater

LTCP MEDIA SPECIFIC CRITERIA - GROUNDWATER

Closure Scenario

☐ Exemption - Site has not affected groundwater;
☐ Scenario 1 – Short stabilized contaminant plume;
☒ Scenario 2, ☐ Scenario 3 – Moderate stabilized contaminant plumes;
☒ Scenario 4 – Long stabilized contaminant plumes;
☐ Scenario 5 – Site specific conditions demonstrate that the contaminant plume poses a low threat to the human health and the environment

Evaluation Criteria

Key: Shading = site specific data; ☒ = type of data or criteria met; hatched box indicates no criteria

Element Evaluated	Site Specific Data	Short Plume Scenario	Moderate Plume Scenario		Long Plume Scenario
		☐ 1	☒ 2	☐ 3	☒ 4
Plume Length (feet)	☐ <100 ☒ <250 ☐ <1,000 ☐ ≥1,000	☐ <100	☒ <250	☒ <250	☒ <1,000
Free Product	☒ No FP ☐ FP Onsite ☐ FP Offsite ☐ Removed to Max Extent	☒ No FP	☒ No FP	☐ Removed to max extent onsite; ☐ Does not extend offsite	☒ No FP
Plume Stability	☒ Stable ☒ Decreasing ☒ ≥5 Years	☒ Stable or decreasing	☒ Stable or decreasing	☒ Stable or decreasing for ≥ 5 years	☒ Stable or decreasing
Distance to Nearest Water Supply Well from Plume Boundary (feet)	☐ <250 ☐ >250 ☒ >1,000	☒ >250	☒ >1,000	☒ >1,000	☒ >1,000
Distance to Nearest Surface Water Body from Plume Boundary (feet)	☐ >250 ☒ >1,000	☒ >250	☒ >1,000	☒ >1,000	☒ >1,000
Maximum Benzene Concentrations (µg/l)	Historic Max: 10,000 Current Max: 120		☒ <3,000		☒ <1,000
Maximum MTBE Concentrations (µg/l)	Historic Max: 560 Current Max: 260		☒ <1,000		☒ <1,000
Property Owner Willing to Accept a Land Use Restriction	Not Required			☐ Yes	

Attachment 5: LTCP Media Specific Evaluation - Groundwater

LTCP MEDIA SPECIFIC CRITERIA - GROUNDWATER (CONTINUED)	
Element	**Analysis**
Plume Length	The dissolved phase contaminant plume in groundwater is less than 250 feet.
Free Product	Free product has not been detected at the site since 1994.
Plume Stability	Twenty- three years of groundwater monitoring data indicates the dissolved phase groundwater plume concentrations are decreasing and/or stable.
Water Supply Wells	A search of the Department of Water Resources (DWR), Alameda County Public Works Agency (ACPWA) and State Water Resources Control Board GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) databases indicated that the closest permitted water supply wells are irrigation wells located at a distance of 1,080 feet cross-gradient and 1,360 feet downgradient from the site. Thirteen additional permitted well locations were identified within the ¼ mile radius search of the site using DWR/ACPWA information. Seven of the thirteen locations were listed as groundwater monitoring wells and 6 were listed as test wells for the City of Oakland Redevelopment Agency. A review of the GAMA database indicated that two sites with groundwater monitoring wells were identified on Geotracker within a ¼ mile of the site. The identified monitoring wells were across Webster Street from the subject site and were associated with environmental cleanup cases at 1700-1710 Webster Street and 1750 Webster Street.
Surface Water Bodies	The closest surface water body is Lake Merritt, located approximately 1,276 feet cross gradient and east-northeast of the site and greater than 1,000 feet from the edge of the contaminant plume.

ATTACHMENT 6

Attachment 6: LTCP Media Specific Evaluation - Vapor Intrusion

LTCP MEDIA SPECIFIC CRITERIA - VAPOR INTRUSION TO INDOOR AIR

Closure Scenario

☐ Exemption - Active fueling station exempt from vapor specific criteria;
☐ Scenario 1 – Unweathered free phase LNAPL on groundwater; ☐ Scenario 2 – Unweathered residual LNAPL in soil;
☐ Scenario 3a, ☐ Scenario 3b, ☒ Scenario 3c – Dissolved phase benzene concentrations in groundwater;
☐ Scenario 4a - Soil vapor concentrations without bioattenuation zone;
☒ Scenario 4b - Soil vapor concentrations with bioattenuation zone;
☐ Site specific risk assessment demonstrates human health is protected;
☐ Exposure controlled through use of mitigation measures or institutional or engineering controls

Evaluation Criteria.

Key: Shading = site specific data; ☒ = type of data or criteria met; hatched box indicates no criteria

Element Evaluated	Site Specific Data	High Conc Source Scenarios	Low Conc Source Scenarios			Scenarios	
		Unweathered NAPL	Dissolved Phase Benzene in Groundwater				
		☐ 1 or ☐ 2	☐ 3a	☐ 3b	☒ 3c	☒ 4a	☒ 4b
Groundwater ☒ **WT** ☐ **SC** ☐ **C**	Highest Historic Water Level (ft bgs): >13.6 ☒ WT; ☐ SC; ☐ C						
	Max Current Benzene Concentration (µg/L): 120 (offsite well MW-6) 2.7 (onsite well MW-2)	☐ ≥3,000	☒ <100	☐ ≥100 & <1,000	☒ <1,000		
NAPL ☐ **W** ☐ **UW**	☒ No NAPL ☐ NAPL in Soil ☐ NAPL on GW	☐ UW in Soil or ☐ UW on GW	☒ No UW in Soil or GW				
Foundations ☒ **Existing** ☐ **Proposed** ☐ **None**	Type: Slab Depth: Unknown						
Bioattenuation Zone Beneath: ☐ **Existing Foundations**	Thickness (ft): ☐ <5; ☐ ≥5; ☒ ≥10; ☐ ≥30	☐ ≥30	☒ ≥5	☒ ≥10	☒ ≥5	☐ <5; or ☐ ≥100; or ☐< 4	☒ ≥ 5
	TPHg+d Conc (mg/kg): 1.21	☐ <100	☒ <100	☒ <100	☒ <100		☒ <100 (at 2 depths)
☐ **Existing Grade**	Oxygen Conc (%): ☐ <4; ☒ ≥4; ☐ No data		☐ No data or ☐ <4	☐ No data or ☐ <4	☒ ≥4		☒ ≥4 (at bottom)
Soil Vapor (Current Conditions) ☐ **Soil Vapor** ☐ **Subslab Vapor** ☐ **No Samples Collected**	Sample Depth (ft bgs): Subslab = 0.5 Soil Gas = 5					☒ ≥5	☒ ≥5
	Benz Conc (µg/m³): 12					☒ R< 85 ☒ C<280	☒ C<85K ☒ C<280K
	Ethylb Conc (µg/m³): <4.4					☒ R<1,100 ☒ C<3,600	☒ R<1,100K ☒ C<3,600K
	Napht Conc (µg/m³): <5.3					☒ R<93 ☒ R<310	☒ R<93K ☒ C<310K

GW = Groundwater WT = Water Table SC = Semi-Confined C = Confined W= Weathered UW = Unweathered

Attachment 6: LTCP Media Specific Evaluation - Vapor Intrusion

LTCP MEDIA SPECIFIC CRITERIA - VAPOR INTRUSION TO INDOOR AIR (CONTINUED)	
Location	**Analysis**
Onsite	ACDEH evaluated the site for vapor intrusion risk under two scenarios: (1) the existing parking garage with commercial spaces; and (2) the proposed mixed use redevelopment building project. Under the existing configuration as a slab on grade structure the site met Scenario 3c, 4a and 4c of the Media Specific Criteria for Vapor Intrusion to Indoor Air. The foundation of the proposed mixed use redevelopment building will be 16 to 20 feet bgs to accommodate underground parking garage and four elevator pits. Although residual petroleum hydrocarbons in soil will be removed from the site, the new foundation will be in contact with residual contamination in groundwater beneath the site from both onsite and offsite sources. Therefore, the new building will be constructed with a vapor mitigation system to protect against potential vapor intrusion to indoor air. Trench plugs will also be installed within utility trenches where they enter the property on Webster Street in the location of the former tank pit to mitigate vapor migration along the utility corridor.
Offsite	The groundwater plume is less than 250 feet in length and dissolved phase petroleum hydrocarbon volatile organic compounds from the historic UST release at the site are below concentrations that would pose an offsite vapor intrusion risk to buildings located over the residual groundwater plume under existing conditions.

ATTACHMENT 7

Attachment 7 – Direct Contact Evaluation and Data

LTCP MEDIA SPECIFIC CRITERIA - DIRECT CONTACT AND OUTDOOR AIR EXPOSURE

Closure Scenario

- ☐ Exemption (no petroleum hydrocarbons in upper 10 feet);
- ☒ Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below;
- ☐ Maximum concentrations of petroleum constituents are less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health;
- ☐ Concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls;
- ☐ This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.

Evaluation Criteria

Green shading is site specific data; checked box indicates type of date or criteria met; hatched box indicates no criteria

Constituent (LTCP Criteria & Site Maximum)		Residential		Commercial/Industrial		All Scenarios
		☒ Direct Contact	☒ Volatilization to Outdoor Air	☒ Direct Contact	☒ Volatilization to Outdoor Air	☒ Construction or Utility Worker
		0 to 5 ft bgs (mg/kg)	5 to 10 ft bgs (mg/kg)	0 to 5 ft bgs (mg/kg)	5 to 10 ft bgs (mg/kg)	0 to 10 ft bgs (mg/kg)
Analysis Required For All Tanks						
Benzene	Current Site Max	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	LTCP Criteria	☒ ≤1.9	☒ ≤2.8	☒ ≤8.2	☒ ≤12	☒ ≤14
Ethylbenzene	Current Site Max	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	LTCP Criteria	☒ ≤21	☒ ≤32	☒ ≤89	☒ ≤134	☒ ≤314
Naphthalene	Current Site Max	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	LTCP Criteria	☒ ≤9.7	☒ ≤9.7	☒ ≤45	☒ ≤45	☒ ≤219
Analysis Required For Tanks with Waste Oil, Bunker C Fuel or Unknown Contents						
PAHs[1]	Current Site Max	NR	NR	NR	NR	NR
	LTCP Criteria	☐ ≤0.063		☐ ≤0.68		☐ ≤4.5

NR = Not Required NA = Not Analyzed

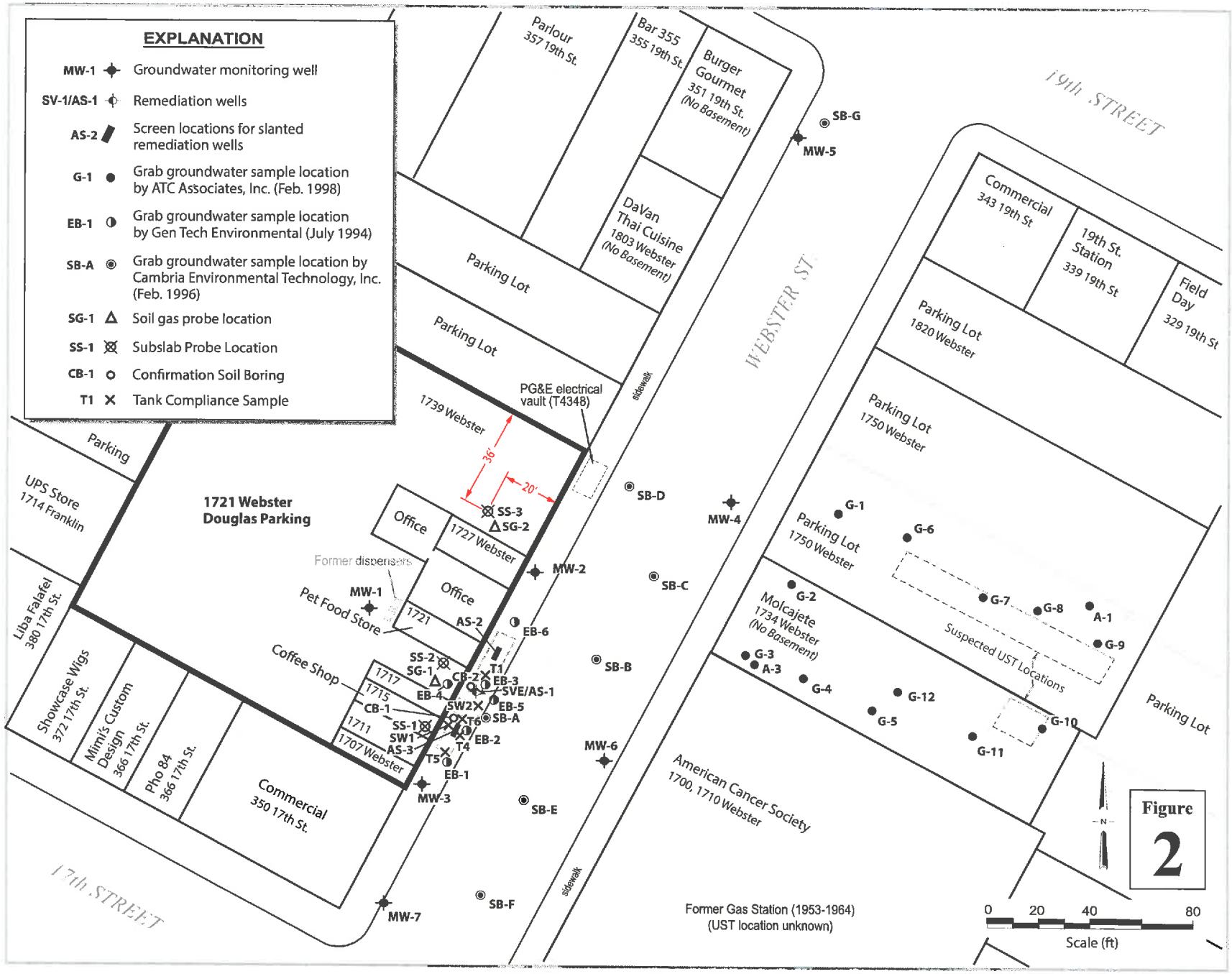
Notes:

1. Based on the seven carcinogenic poly-aromatic hydrocarbons (PAHs) as benzo(a)pyrene toxicity equivalent (BaPe).
2. The area of impacted soil where a particular exposure occurs is ≤ 82 by 82 feet

Attachment 7 – Direct Contact Evaluation and Data

LTCP MEDIA SPECIFIC CRITERIA – DIRECT CONTACT AND OUTDOOR AIR EXPOSURE (CONTINUED)	
Location	**Analysis**
Onsite	The current maximum concentrations of hydrocarbons in soil within the 0 to 10 foot interval are less than the concentrations in Table 1 for residential, commercial and construction worker exposure as defined by confirmation borings CB-1 and CB-2 collected in the source area after remediation activities were conducted.
Offsite	Residual source material may remain in the 0 to 10 foot interval in the vicinity of the former UST pit areas beneath the sidewalk. Sidewall samples collected in 1992 had maximum concentrations of 5.7 mg/kg benzene and 18 mg/kg ethylbenzene, however these concentrations are below the construction/utility worker concentrations in Table 1.

ATTACHMENT 8



Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Site Map

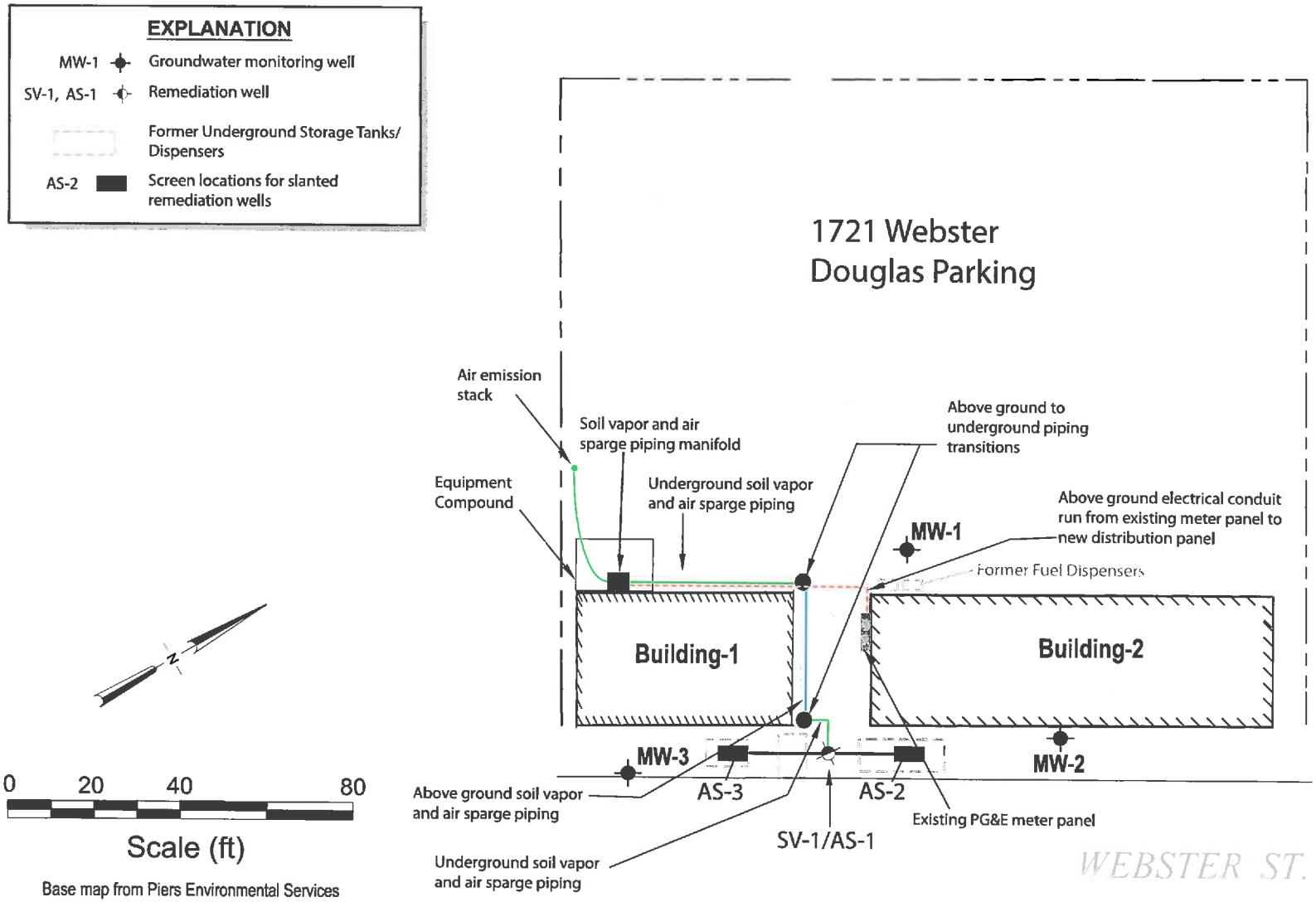
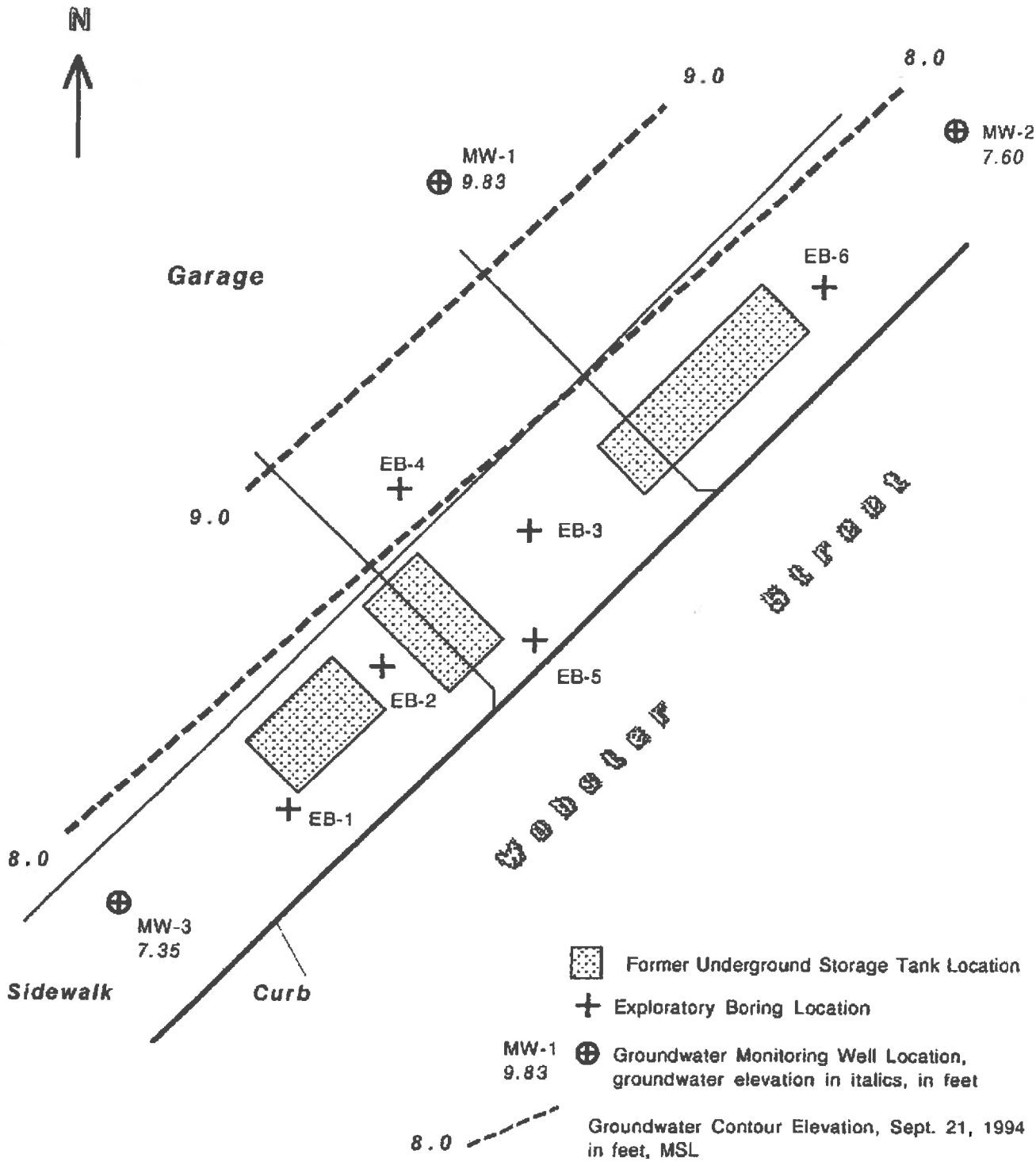


Figure
8

Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Remediation System Layout



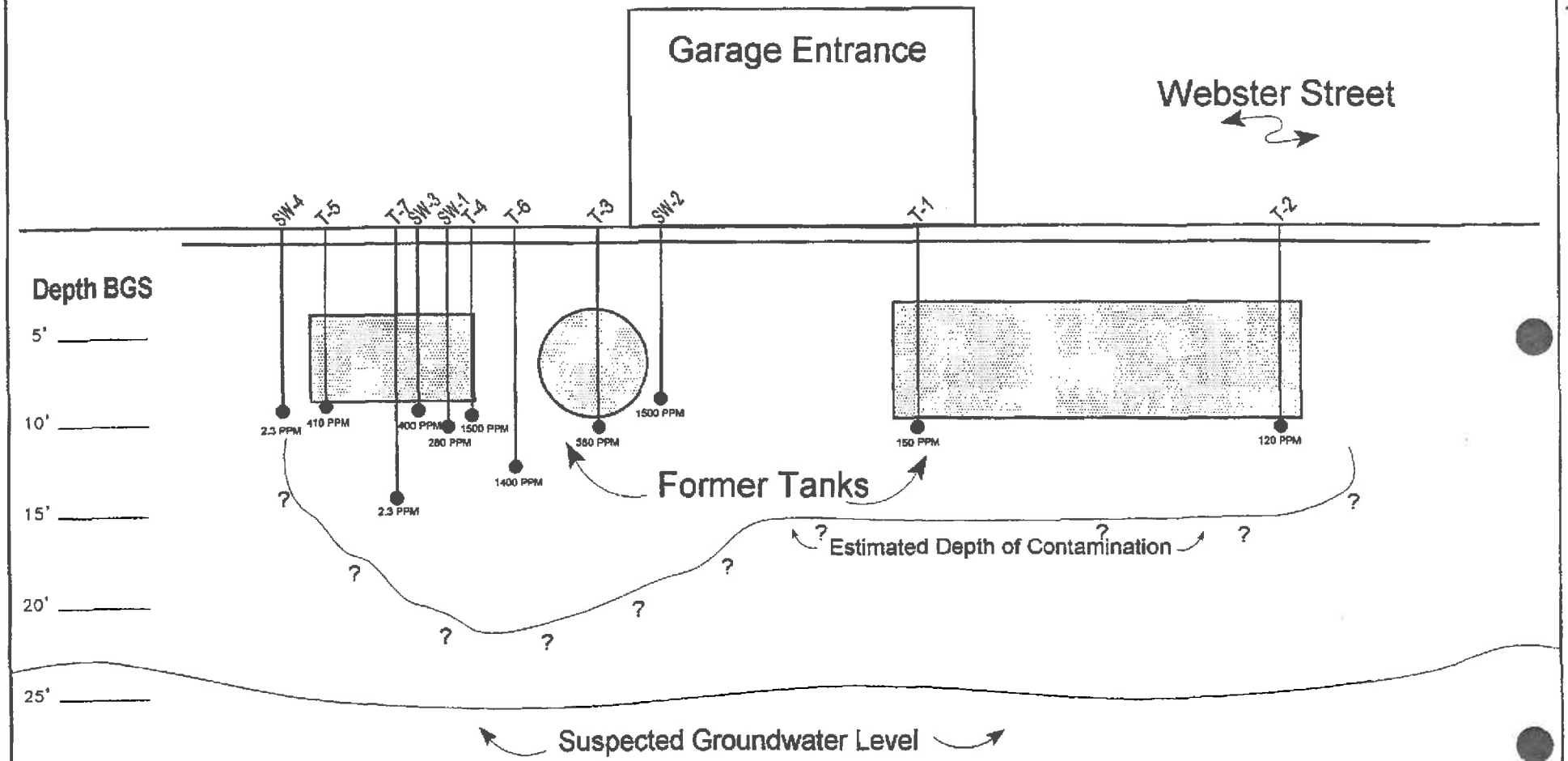
GEN TECH ENVIRONMENTAL, INC.
SAN JOSE, CA

Site Plan and Groundwater Contour Map
Douglas Parking
1721 Webster Street
Oakland, CA

Project No. 9432
Scale: 1" = 100'
Date: Dec., 1994

FIGURE 1

Douglas Parking



Douglas Parking Garage *1721 Webster Street, Oakland, CA*	
Soil Sampling Results From Tank Removal	
Figure 2	June 13, 1994

Gen-Tech Environmental, San Jose, CA (408) 559-1220

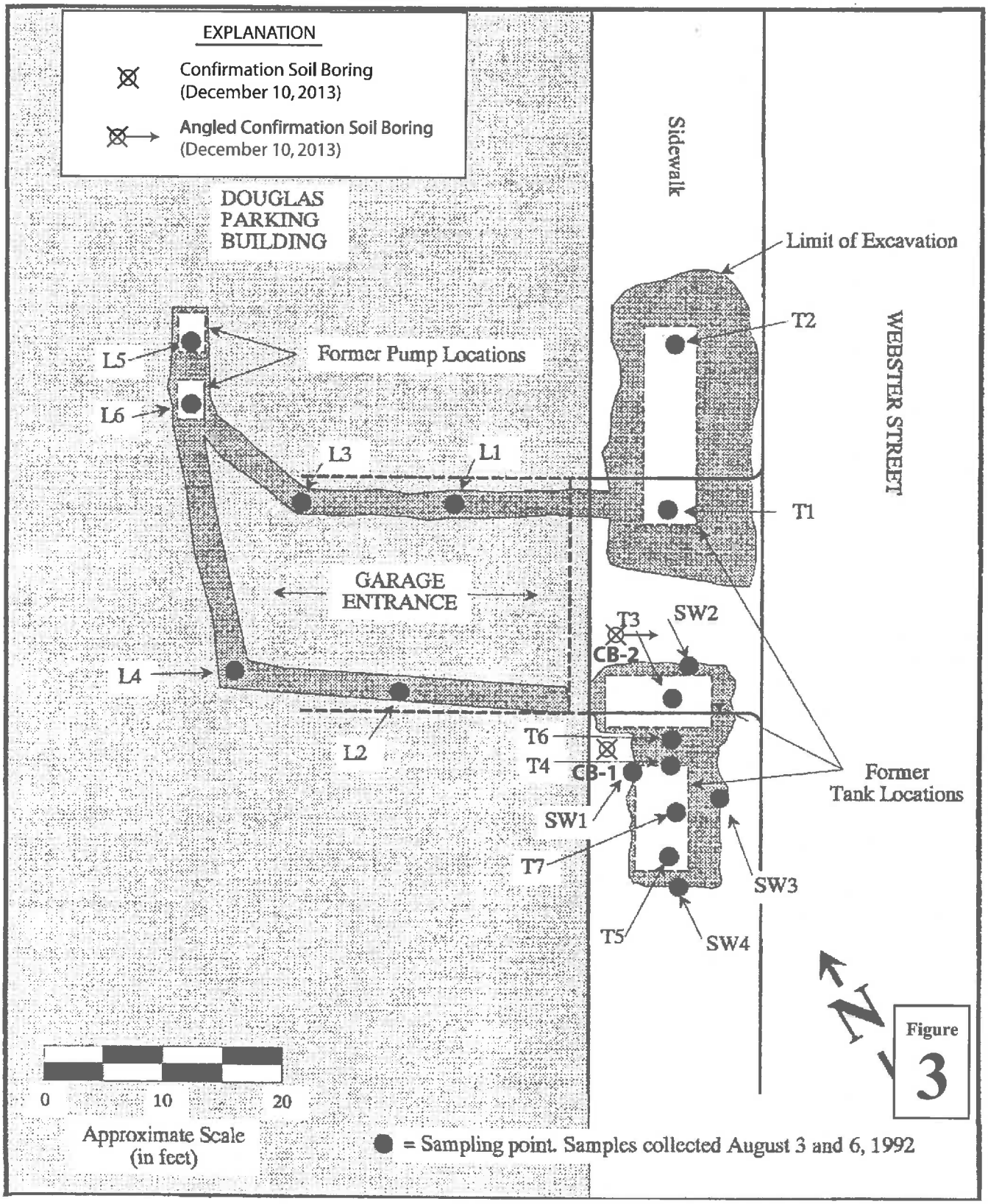
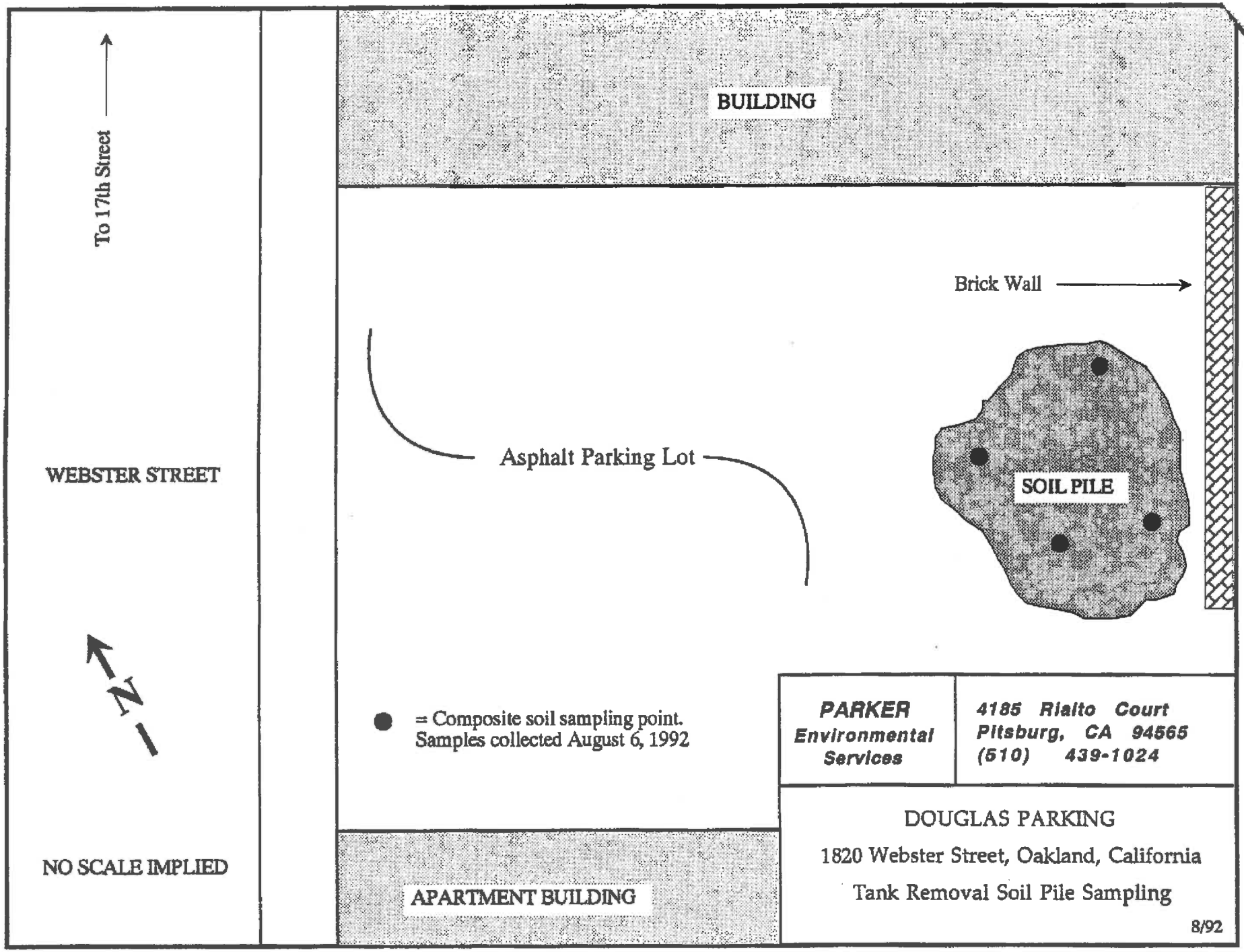


Figure 3

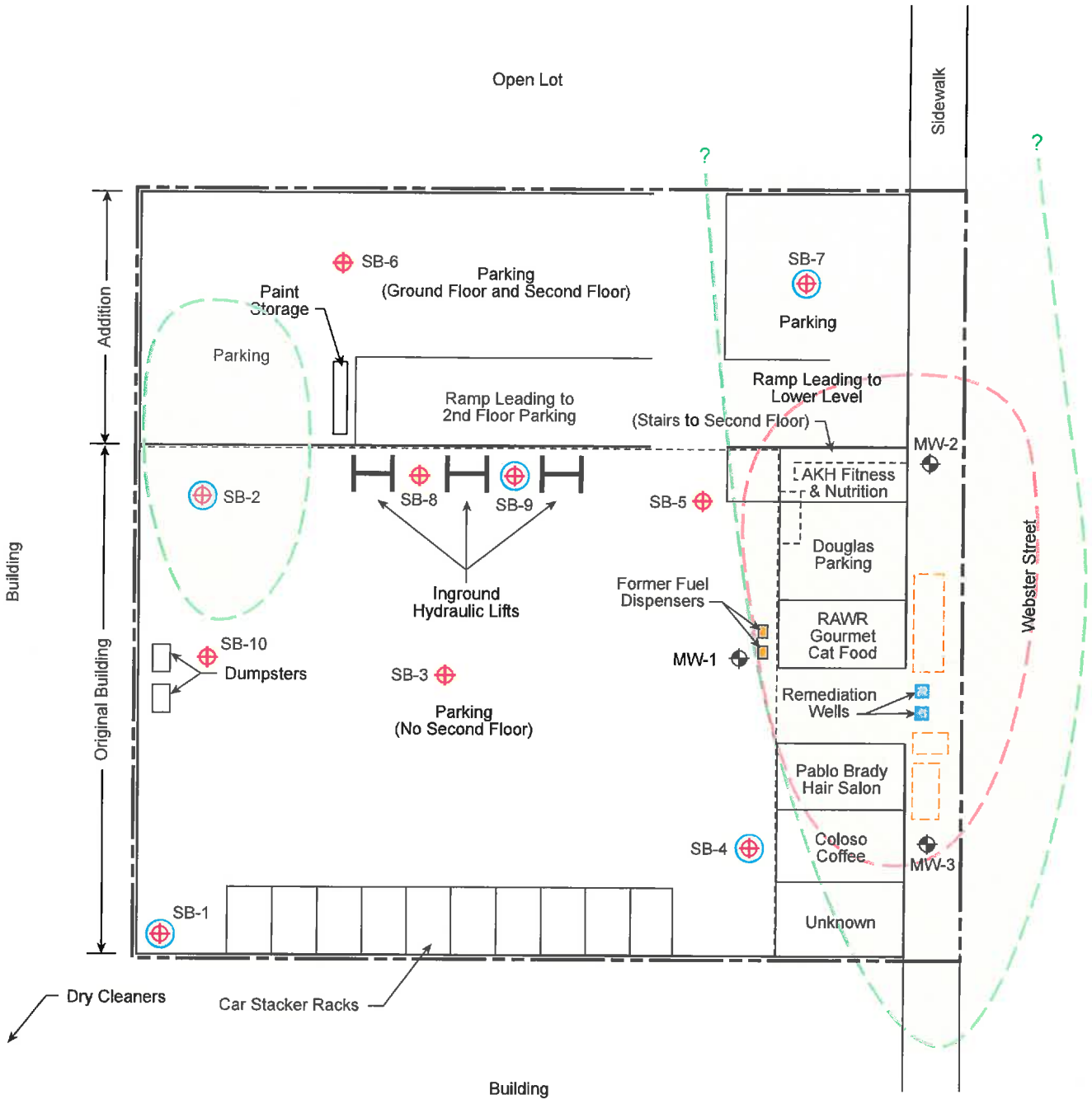
Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Excavation Soil Samples & Confirmation Borings Map


To 17th Street
BUILDING
Brick Wall
Asphalt Parking Lot
SOIL PILE
WEBSTER STREET
N
= Composite soil sampling point.
Samples collected August 6, 1992
NO SCALE IMPLIED
APARTMENT BUILDING
PARKER
Environmental
Services
4185 Rialto Court
Pitsburg, CA 94565
(510) 439-1024
DOUGLAS PARKING
1820 Webster Street, Oakland, California
Tank Removal Soil Pile Sampling
8/92

J:\DCS\Projects\Legacy_URS\H\Holland\02 California\1721 Webster Oakland CA\60503932 GRFX\60443560_03.ai



Legend

- Subject property boundary
- Existing monitoring well
- Soil boring location
- Soil boring location with grab groundwater sample
- Former underground storage tank
- Approximate area of TPH within the unsaturated zone
- Approximate area of TPH within the saturated zone

Project North

True North

0 30 60

Approximate Scale in Feet

Figure 3

Site Plan

AECOM

1721 Webster Street, Oakland, CA

ATTACHMENT 9

Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9432 **Boring/Well No.** MW-1
Client: Douglas Parking **Date Drilled:** Sept. 8, 1994
Location:1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 #94501
Water Levels: 1st Enc:23' Static: 21.7

Borehole Completion
Well Installed: 2"dia. Sch 40 PVC
Total Depth: 30.5' Casing Depth: 30.5'
Screen Length: 10' 0.020" Blank Length: 20.5'
Top Sand Pack: 16.5' Top Bentonite: 15.5
Grout Seal:15.5" to 0.5' vault box
Top of Casing Elev. 29.25' MSL

Sample No.	OV	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
					Concrete Surface	
					SM-SC - Silty SAND to CLayey SAND, olive brown to dark olive brown 2.5Y3/3 to 4/4, drills loose to medium dense damp	
	-	grab	X	5	Clay content increases with depth	
MW-1 @10'	-	24		10	Same as above, oxidation mottles, few burrows, medium dense, damp.	
MW-1 @15'	-	53		15	SM - Silty SAND, olive brown 2.5Y4/4, fine to med. grained, 20% silt, very dense, damp.	
MW-1 @20'	-	73		20	SP - SAND, dark greenish gray 5GY(4/1), fine to med. grained, very dense, moist.	
MW-1 @25'	-	40		25	Same as above, dark grayish brown 2.5Y(4/2), very dense, saturated, flowing conditions.	
					Driller calls penetration rate change at 28 feet.	
MW-1 @30'	-	44		30	CL - Silty CLAY, pale olive 5Y(6/3), 15% silt, med. to higly plastic, hard, damp.	
					Bottom of Boring = 30.5 feet	

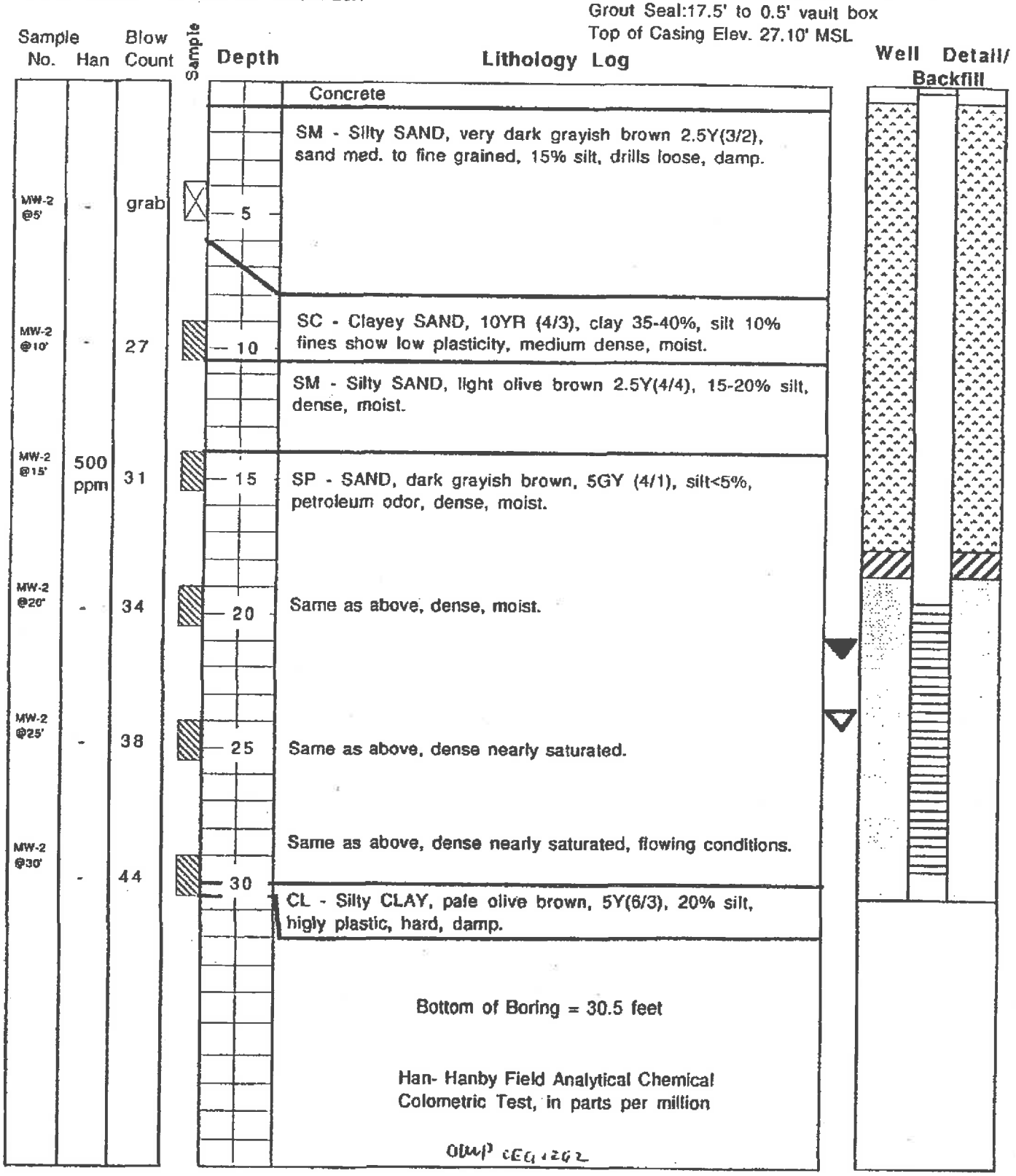
CLAY CEG.1262

Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9432 **Boring/Well No.** MW-2
Client: Douglas Parking **Date Drilled:** Sept. 8, 1994
Location:1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 #94501
Water Levels: 1st Enc: 24' Static: 20.1'

Borehole Completion
Well Installed: 2"dia. Sch 40 PVC
Total Depth:30.5 Casing Depth: 29.5
Screen Length: 10' 0.020" Blank Length: 19.5
Top Sand Pack: 18.5' Top Bentonite: 17.5'
Grout Seal:17.5' to 0.5' vault box
Top of Casing Elev. 27.10' MSL



Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

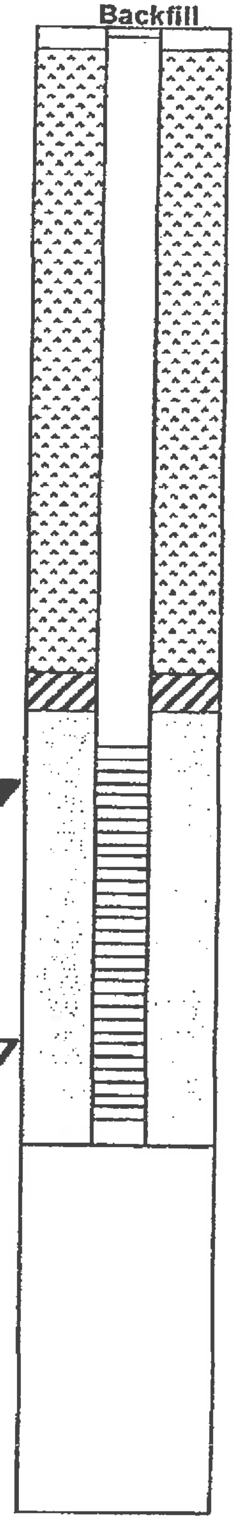
Project No. 9432 **Boring/Well No.** MW-3
Client: Douglas Parking **Date Drilled:** Sept. 8, 1994
Location: 1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 #94501
Water Levels: 1st Enc: 28.20' Static: 21.60'

Borehole Completion
Well Installed: 2"dia. Sch 40 PVC
Total Depth: 30.5' Casing Depth: 30'
Screen Length: 10' 0.020" Blank Length: 20'
Top Sand Pack: 19' Top Bentonite: 18'
Grout Seal: 18' to 0.5' vault box
Top of Casing Elev. 29.50' MSL

Sample No.	OV	Blow Count	Sample	Depth	Lithology Log
				0	Concrete
					SM - Silty SAND, very dark grayish brown 2.5Y(3/2), sand med. to fine grained, 15% silt, drills loose, damp.
MW-3 @5'	-	grab	X	5	
MW-3 @10'	-	30		10	SC - Clayey SAND, 10YR (4/3), clay 35-40%, silt 10% fines show low plasticity, medium dense, moist.
					SM - Silty SAND, light olive brown 2.5Y(4/4), 15-20% silt, dense, moist.
MW-3 @15'	-	28		15	SP - SAND, dark grayish brown, 5GY (4/1), silt<5%, petroleum odor, dense, moist.
MW-3 @20'	-	32		20	Same as above, dense, moist. Slight petroleum odor at 23 feet.
MW-3 @25'	-	25		25	Same as above, petroleum odor, dense, nearly saturated.
					Same as above, dense, saturated, flowing conditions.
MW-3 @30'	-	24		30	CL - Silty CLAY, pale olive brown, 5Y(6/3), 20% silt, higly plastic, hard, damp.

Bottom of Boring = 30.5 feet, water enters borehole slowly, lower 0.5 feet fill with sand from overlying strata.

Well Detail/Backfill



CMP CEG 1262

DRILLING LOG

Client: Douglas Parking Company

Project No: 58-197 Phase Task02

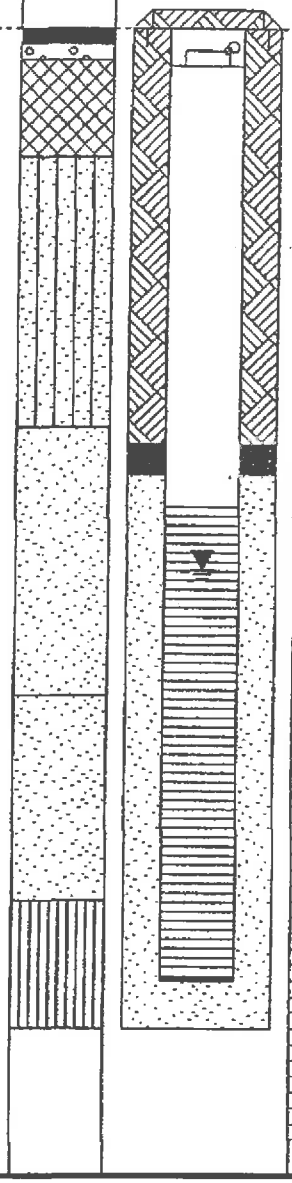
Well ID MW-4 Boring ID SB-H

Location 1721 Webster Street

Surface Elev. 25.64 ft.

Depth (feet)	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			
				ASPHALT / CONCRETE
5				FILL: (ML); light brown; damp; 10% clay, 60% silt, 30% fine to medium grained sand; low plasticity; low estimated permeability
	2 4 11			Silty SAND; (SM); brown; medium dense; damp; 30% silt, 70% fine to medium grained sand; moderate estimated permeability
10	6 11			
15	8 15			SAND; (SP); brown; medium dense; damp; 5% silt, 95% medium grained sand; high estimated permeability
20	12 24			grey; wet
25	3 6			loose
30	6 12 10			Clayey SILT; (ML); grey; very stiff; wet; 20% clay; 50% silt, 30% medium grained sand; medium plasticity; low estimated permeability
35				

TPHg (ppm)	Graphic Log	Well Construction Graphics	Depth (feet)	Well Construction Details
				T.O.C. Elev. 25.29
			0	
			5	
			10	
			15	
1			20	
			25	
nd			30	Bottom of well
			35	



Driller SES, Inc.	Development Yield 010	Bentonite Seal 8'to 9'
Logged By JME	Well Casing 0.39 gpm Dia. 0' to 15'	Sand Pack Monterey Sand
Drilling Started 5/3/96	Casing Type Schedule 40 PVC	Sand Pack Type #2/16
Drilling Completed 5/3/96	Well Screen 2" Dia. 15' to 30'	Static Water Level 16.98 ft Depth
Construction Completed 5/3/96	Screen Type Schedule 40 PVC	Date 5/10/96
Development Completed 5/6/96	Slot Size 0.010"	Notes: Webster Street in #1 lane
Water Bearing Zones NA	Drilling Mud NA	62'northeast of MW-2
	Grout Type Portland Type I/II	

WELL 58197 6/27/96

Cambria Environmental Technology, Inc.

DRILLING LOG

Client: Douglas Parking Company

Project No: 58-197 Phase Task02

Well ID MW-5 Boring ID SB-I

Location 1721 Webster Street

Surface Elev. 22.22 ft. Page 1 of 1

Depth (feet)	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			
				ASPHALT / CONCRETE
				FILL: (ML); light brown; damp; 10% clay, 60% silt, 30% fine to medium grained sand; low plasticity; low estimated permeability
5				
				SAND: (SP); brown; very dense; damp; 5% silt, 95% fine to medium grained sand; high estimated permeability
10	6 28 26			
15	8 26 28			moist to wet
20	3 4 4			
				Clayey SILT: (ML); grey to brown; medium stiff; wet; 20% clay; 50% silt, 30% medium grained sand; medium plasticity; low estimated permeability
25	6 10 18			
30				

TPHg (ppm)	Graphic Log	Well Construction Graphics	Depth (feet)	Well Construction Details
			0	T.O.C. Elev. 21.97
			5	
			10	
nd			15	
			20	
nd			25	Bottom of well
			30	

Driller SES, Inc.

Logged By JME

Drilling Started 5/3/96

Drilling Completed 5/3/96

Construction Completed 5/3/96

Development Completed 5/6/96

Water Bearing Zones NA

Development Yield 010

Well Casing 0.52 gpm Dia. 0' to 10'

Casing Type Schedule 40 PVC

Well Screen 2" Dia. 10' to 25'

Screen Type Schedule 40 PVC

Slot Size 0.010"

Drilling Mud NA

Grout Type Portland Type I/II

Bentonite Seal 8' to 9'

Sand Pack Monterey Sand

Sand Pack Type #2/16

Static Water Level 14.60 ft Depth

Date 5/10/96

Notes: Webster Street in #4 lane near 19th Street crosswalk

WELL 58197 6/27/96

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BORING/WELL LOG

CLIENT NAME	Douglas Parking Company	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	Webster	**DRILLING STARTED**	27-Jun-03
LOCATION	1721 Webster Street, Oakland, CA.	**DRILLING COMPLETED**	27-Jun-03
PROJECT NUMBER	580-0197	**WELL DEVELOPMENT DATE (YIELD)**	30-Jun-03 (6 gallons)
DRILLER	Woodward Drilling	**GROUND SURFACE ELEVATION**	31 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	30.99 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVAL**	15 to 30 ft bgs
LOGGED BY	R. Fennell	**DEPTH TO WATER (First Encountered)**	25.0 ft (27-Jun-03)
REVIEWED BY	Mary C. Holland-Ford R.G. #7551	**DEPTH TO WATER (Static)**	21.40 ft (30-Jun-03)
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT: 10 inches thick.	0.8
					SM		**Silty SAND** (SM): brown; very loose; damp; 30% silt, 70% fine to medium grained sand; high estimated permeability; well sorted.	3.0
					SC		**Clayey SAND** (SC): gray brown; very loose; damp; 20% clay, 20% silt, 60% fine to coarse grained sand; medium estimated permeability.	5.0
0	9 6 7			5			**Silty SAND** (SM): brown; medium dense; damp; 30% silt, 70% fine grained sand; high estimated permeability.	
0	6 12 17			10			@ 10' 20% silt, 80% fine to medium grained sand.	
0	50			15	SM		@ 15' gray brown; very dense; 25% silt, 75% fine to medium grained sand.	
88	25 50	MW-6@ 20'		20			@ 20' gray; very dense; moist; 10% silt, 90% fine to medium grained sand. ▼	
							▽	25.0
549	12 12 12			25	CL		**Sandy CLAY** (CL): gray; very stiff; wet; 60% clay, 10% silt, 30% fine grained sand; medium plasticity; medium estimated permeability.	
	12 22 35			30	CL		**Silty CLAY** (CL): gray; hard; wet; 50% clay, 40% silt, 10% fine to coarse grained sand; medium plasticity; low estimated permeability.	29.0 30.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diameter, 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 30 ft

WELL LOG (PID): H:\SB-2004 (UST FUND)\DOUGLAS PARKING\1721 WEBSTER\FIGURES\580-0197.GPJ DEFAULT.GDT 9/22/03

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BORING/WELL LOG

CLIENT NAME	Douglas Parking Company	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	Webster	**DRILLING STARTED**	27-Jun-03
LOCATION	1721 Webster Street, Oakland, CA.	**DRILLING COMPLETED**	27-Jun-03
PROJECT NUMBER	580-0197	**WELL DEVELOPMENT DATE (YIELD)**	30-Jun-03 (10 gallons)
DRILLER	Woodward Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	15 to 30 ft bgs
LOGGED BY	R. Fennell	**DEPTH TO WATER (First Encountered)**	21.0 ft (27-Jun-03)
REVIEWED BY	Mary C. Holland-Ford R.G. #7551	**DEPTH TO WATER (Static)**	20.40 ft (27-Jun-03)
REMARKS	Hand augered to 5' bgs.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
0							**ASPHALT**: 10 inches thick.	0.8
							Silty SAND (SM): brown; very loose; damp; 30% silt, 70% fine grained sand; high estimated permeability; well sorted.	
0	10 10 22			5			@ 5' becomes dense, 30% silt, 70% fine to coarse grained sand.	
0	12 15 18			10			@ 10' becomes 5% clay, 35% silt, 60% fine to medium grained sand, low plasticity, medium permeability.	
0	20 50			15	SM		@ 15' becomes very dense, 15% silt, 85% fine grained sand.	
0	20 50			20			@ 20' becomes wet. ▼	
0	12 12 12			25			@ 25' becomes gray, medium dense.	
0	18 18 20			30	CL		**Silty CLAY** (CL): gray; hard; wet; 55% clay, 40% silt, 5% fine grained sand; medium plasticity; low estimated permeability.	29.0 30.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diameter, 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 30 ft

WELL LOG (PID) H:\SB-2004 IUST FUND\DOUGLAS\1721 WEBSTER\FIGURES\580-0197.GPJ DEFAULT.GDT 8/4/03

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BORING/WELL LOG

CLIENT NAME	Douglas Parking Company	**BORING/WELL NAME**	AS-1
JOB/SITE NAME	Webster	**DRILLING STARTED**	04-Mar-00
LOCATION	1721 Webster Street, Oakland, CA.	**DRILLING COMPLETED**	04-Mar-00
PROJECT NUMBER	580-0197	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger Limited Access Rhino	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	31 to 34 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	20.0 ft (04-Mar-00) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand Augered to 5' bgs. Boring located in Webster street sidewalk in garage entrance.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				0			**SAND**		
				5					
				10			Air Sparge wells were installed 30 degrees from vertical to a total depth of 30 feet bgs. No samples were collected. Soil was logged from cuttings.		
				15	SP				
				20					
				25					
				30				34.0	Bottom of Boring @ 34 ft

2" diam., Schedule 40 PVC

Bentonite Seal

Monterey Sand #2/12

2"-diam., 0.010" Slotted

WELL LOG (TPH-G) H:\SB-2004\DOUGLAS\1721WE-1\FIGURES\580-0197.GPJ DEFAULT.GDT 3/27/00

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BORING/WELL LOG

CLIENT NAME	Douglas Parking Company	**BORING/WELL NAME**	AS-2
JOB/SITE NAME	Webster	**DRILLING STARTED**	04-Mar-00
LOCATION	1721 Webster Street, Oakland, CA.	**DRILLING COMPLETED**	04-Mar-00
PROJECT NUMBER	580-0197	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger Limited Access Rhino	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	31 to 34 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	20.0 ft (04-Mar-00) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand Augered to 5' bgs. Boring located in Webster street sidewalk in garage entrance.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				0			**SAND**		
				5					
				10			Air Sparge wells were installed 30 degrees from vertical to a total depth of 30 feet bgs. No samples were collected. Soil was logged from cuttings.		
				15	SP				2" diam., Schedule 40 PVC
				20				▽	
				25					Bentonite Seal
				30					Monterey Sand #2/12
									2"-diam., 0.010" Slotted
								34.0	Bottom of Boring @ 34 ft

WELL LOG (TPH-G) H:\SB-2004\DOUGLAS\1721WE-1\FIGURES\580-0197.GPJ DEFAULT.GDT 3/27/00

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BORING/WELL LOG

CLIENT NAME	Douglas Parking Company	**BORING/WELL NAME**	AS-3 (formerly AS-2)
JOB/SITE NAME	Webster	**DRILLING STARTED**	04-Mar-00
LOCATION	1721 Webster Street, Oakland, CA.	**DRILLING COMPLETED**	04-Mar-00
PROJECT NUMBER	580-0197	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger Limited Access Rhino	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	31 to 34 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	20.0 ft (04-Mar-00) ▽
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand Augered to 5' bgs. Boring located in Webster street sidewalk in garage entrance.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0			**SAND**		
				5					
				10			Air Sparge wells were installed 30 degrees from vertical to a total depth of 30 feet bgs. No samples were collected. Soil was logged from cuttings.		
				15	SP				2" diam., Schedule 40 PVC
				20					
				25					Bentonite Seal
				30					Monterey Sand #2/12
								34.0	2"-diam., 0.010" Slotted
									Bottom of

WELL LOG (PID) H:\DOUGLAS PARKING\1721 WEBSTER\FIGURES\580-0197.GPJ DEFAULT.GDT 4/2/04

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Douglas Parking Company	**BORING/WELL NAME**	SV-1/AS-1 (formerly RW-1)
JOB/SITE NAME	Webster	**DRILLING STARTED**	04-Mar-00
LOCATION	1721 Webster Street, Oakland, CA.	**DRILLING COMPLETED**	04-Mar-00
PROJECT NUMBER	580-0197	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger Limited Access Rhino	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	NA
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	20.0 ft (04-Mar-00)
REVIEWED BY	R. Clark-Riddell, PE# 49629	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand Augered to 5' bgs., boring located in Webster street sidewalk in garage entrance. Well is a co-axial SVE/AS well.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							CONCRETE	0.5
					SP		**SAND** (SP); brown; damp; 5% clay, 10%silt, 80% fine grained sand, 5% gravel; very high estimated permeability.	
12		RW-1@ 5'		5			**SAND** (SP); brown; damp to wet; 5% clay, 5% silt, 90% fine to medium grained sand; very high estimated permeability.	5.0
63		RW-1@ 10'		10				
116		RW-1@ 15'		15	SP			
427		RW-1@ 20'		20			@20'- wet.	
103		RW-1@ 25'		25				
109		RW-1@ 29.5'		30	SM		**Silty SAND with Clay** (SM); brown; wet; 15% clay, 30% silt, 55% medium grained sand; very high estimated permeability.	29.5 30.0

WELL DIAGRAM

- 3" upper casing
- Bentonite Seal
- Bentonite Seal
- Monterey Sand #2/12
- 1" Lower casing
- Bottom of Boring @ 30 ft

V:\WELL LOG (PID) H:\DOUGLAS PARKING\1721 WEBSTER\FIGURES\580-0197.GPJ DEFAULT.GDT 4/21/04

Gen Tech Environmental, Inc. San Jose, CA — ***Exploratory Boring Log***

Project No. 9432 **Boring/Well No.** EB-1
Client: Douglas Parking **Date Drilled:** July 8, 1994
Location: 1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 borings
Water Levels: 1st Enc: 24' Static: 21.5'

Borehole Completion
Well Installed: No
Total Depth: 30.5 feet
Grout Seal: 30' to surface

Sample No.	OV	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
					Concrete and subgrade	
EB-1 @ 5'	-	grab	X	5	SM - Silty SAND, very dark grayish brown 10YR(3/2), up to 5% fine gravel to coarse sand, drills dense, damp.	
					color change to dark yellowish brown 10YR4/6, 15% clay, 20% silt, drills dense, damp.	
					driller calls change at 8 feet.	
EB-1 @ 10'	-	50 for 6"		10	CL - Sandy CLAY, dark yellowish brown 10YR(4/6), 15% silt 25% sand, low-med. plasticity, rare burrows, oxidation mottling, hard, damp.	
EB-1 @ 15'	-	82		15	SP - SAND, light olive brown 2.5Y(5/4), very fine to med. grained, very dense, damp to moist.	
EB-1 @ 20'	-	50 for 6"		20	color change to dark greenish gray discoloration 2.5Y(5/4), slight petroleum odor, very dense, moist.	
					driller calls water at 24 feet.	
EB-1 @ 25'	-	60		25	same as above, sheen on water, very dense, saturated.	
EB-1 @ 30'	-	24/50 for 6"		30	same as above, flowing conditions.	
					CL - Silty CLAY, light olive brown 2.5Y(5/4), 15% silt, 20% fine to med grained sand, low-med. plasticity, contaminants not observed, hard, damp.	
					Bottom of Boring = 30.5 feet, sand flows into lower 0.5 feet.	

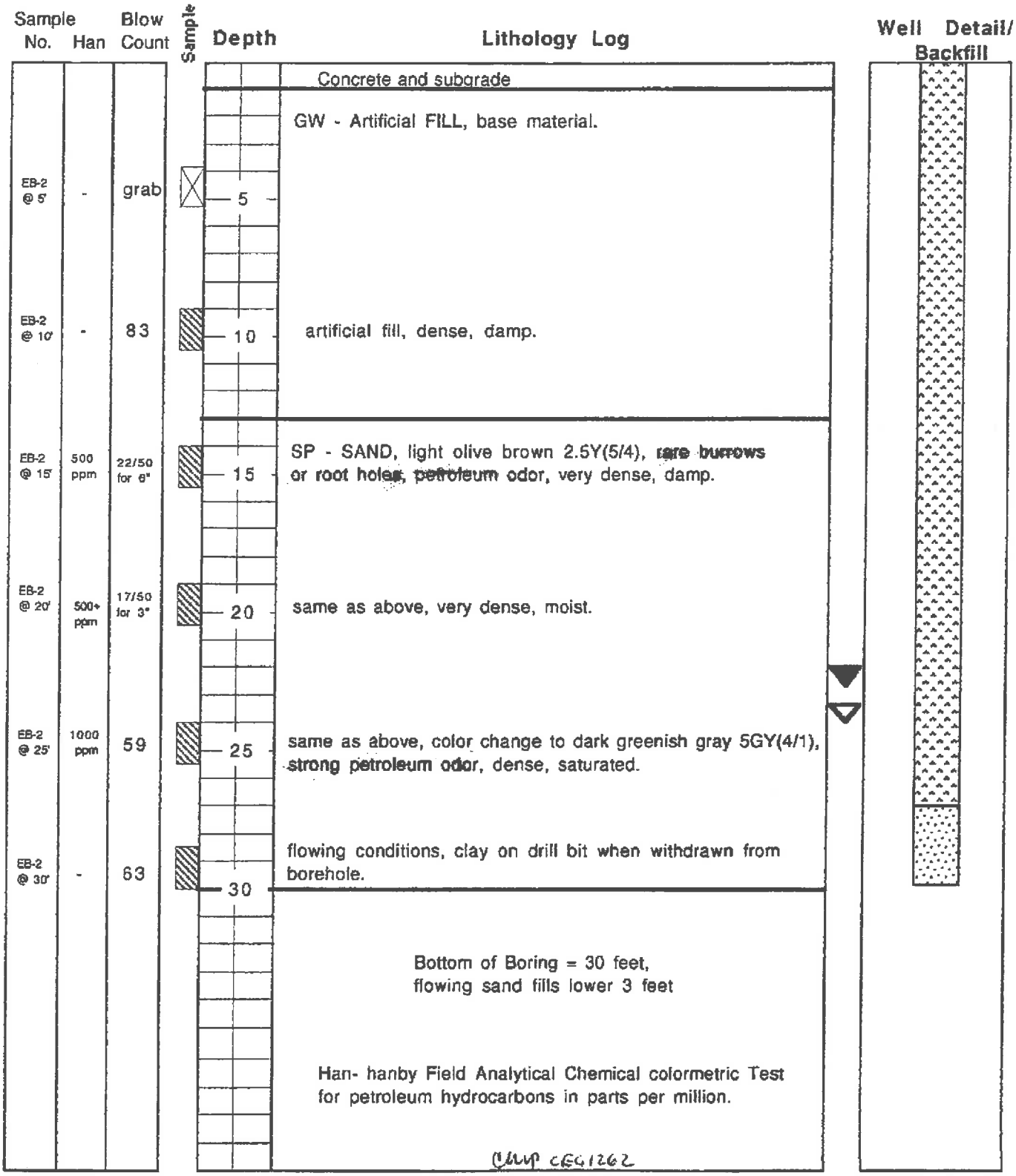
QAMP CEG 1126 2

Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9432 **Boring/Well No.** EB-2
Client: Douglas Parking **Date Drilled:** July 8, 1994
Location:1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 borings
Water Levels: 1st Enc: 24' Static: 22'

Borehole Completion
Well Installed: No
Total Depth: 30'
Cement Grout Seal: 27' to surface



Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9432 **Boring/Well No.** EB-3
Client: Douglas Parking **Date Drilled:** July 8, 1994
Location: 1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 borings
Water Levels: 1st Enc: 24' Static: 22'

Borehole Completion
Well Installed: No
Total Depth: 30'
Cement Grout Seal: 26' to surface

Sample No.	Han	Blow Count	Depth	Lithology Log
				Concrete and subgrade
				CL - Sandy CLAY, olive 5Y(4/4), low plasticity, slight petroleum odor, drills soft, damp.
EB-3 @ 5'	-	grab	5	
EB-3 @ 10'	-	46	10	sand interbed, 1.5' thick, slight petroleum odor,
EB-3 @ 15'	-	54	15	SP - SAND, dark yellowish brown 10YR(4/6), fine to med. grained, fines<5%, dense, moist.
EB-3 @ 20'	100 ppm	76	20	same as above, moderate petroleum odor, dense, moist.
EB-3 @ 25'	-	70	25	same as above, sheen on water, very dense, saturated.
EB-3 @ 30'	-	53	30	CL - Silty CLAY, light olive brown 2.5Y(5/4), 40% silt, <5% sand, med. plasticity, laminated, some burrows, hard, damp.

Well Detail/ Backfill

Bottom of Boring = 30 feet,
flowing sand fills lower 4 feet

Han- Hanby Field Analytical Chemical Colormetric Test fpr petroleum hydrocarbons in parts per million.

OAKPCEC 1262

Gen Tech Environmental, Inc. San Jose, CA | *Exploratory Boring Log*

Project No. 9432 **Boring/Well No.** EB-4
Client: Douglas Parking **Date Drilled:** July 8, 1994
Location:1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 borings
Water Levels: 1st Enc: 24' Static: 20'

Borehole Completion
Well Installed: No
Total Depth: 30'
Cement Grout Seal: 29' to surface

Sample No.	OV	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
				0	Concrete and subgrade	
					SC-CL - Clayey SAND to Sandy CLAY, dark yellowish brown 10YR(4/3), 30-55% fine sand, low plasticity, rare burrows, drills dense to hard, damp.	
EB-4 @ 5'	-	grab	X	5		
EB-4 @ 10'	-	29/50 for 2"		10	same as above but sand content increaseing, very dense, damp.	
EB-4 @ 15'	-	24/50 for 5"		15	SP - SAND, olive brown 2.5Y(4/4) to greenish gray 5GY(5/1), fine to medium grained, <5% fines, very dense, damp to slightly moist.	
EB-4 @ 20'	-	51		20	same as above, dense, slightly moist to moist.	
EB-4 @ 25'	-	65		25	same as above, dense, saturated.	
EB-4 @ 30'	-	26		30	CL - Silty CLAY, light greenish brown, 5Y(4/2), laminated, <15% fine sand, 20% silt, low to med. plasticity, few burrows, oxidized mottles, very stiff, damp.	

Bottom of Boring = 30 feet,
flowing sand fills lower 1 foot.

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Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9432 **Boring/Well No.** EB-5
Client: Douglas Parking **Date Drilled:** July 8, 1994
Location: 1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 borings
Water Levels: 1st Enc: 24' Static: 18'

Borehole Completion
Well Installed: No
Total Depth: 30'
Cement Grout Seal: 29' to surface

Sample No.	Han	Blow Count	Depth	Lithology Log
			0	Concrete and subgrade
				CL - Sandy CLAY, dark yellowish brown 10YR(3/6), 15% silt, 20% sand, low to med. plasticity, drills firm, damp.
EB-5 @ 5'	1000 ppm	grab	5	same as above, moderate petroleum odor, damp.
EB-5 @ 10'	800 ppm	50	10	same as above, 15% coarse sand, hard, slightly moist.
EB-5 @ 15'	1000 ppm	60 for 6"	15	SP - SAND, olive brown 2.5Y(4/4), fine to medium grained, strong petroleum odor, very dense, moist.
EB-5 @ 20'	500 ppm	24/50 for 5"	20	same as above, dark greenish gray 5GY(4/2), clay up to 35% disseminated, very dense, moist.
EB-5 @ 25'	-	33	25	same as above, clay <5%, strong petroleum hydrocarbon, dense, saturated.
EB-5 @ 30'	-	32	30	CL - Silty CLAY, light oilve brown 5Y(6/2), 30% silt, med. to higily plastic, hard, damp.

Well Detail/ Backfill

Bottom of Boring = 30 feet,
flowing sand fills lower 1 foot

Han- Hanby Field Analytical Chemical Colormetric Test for petroleum hydrocarbons in parts per million.

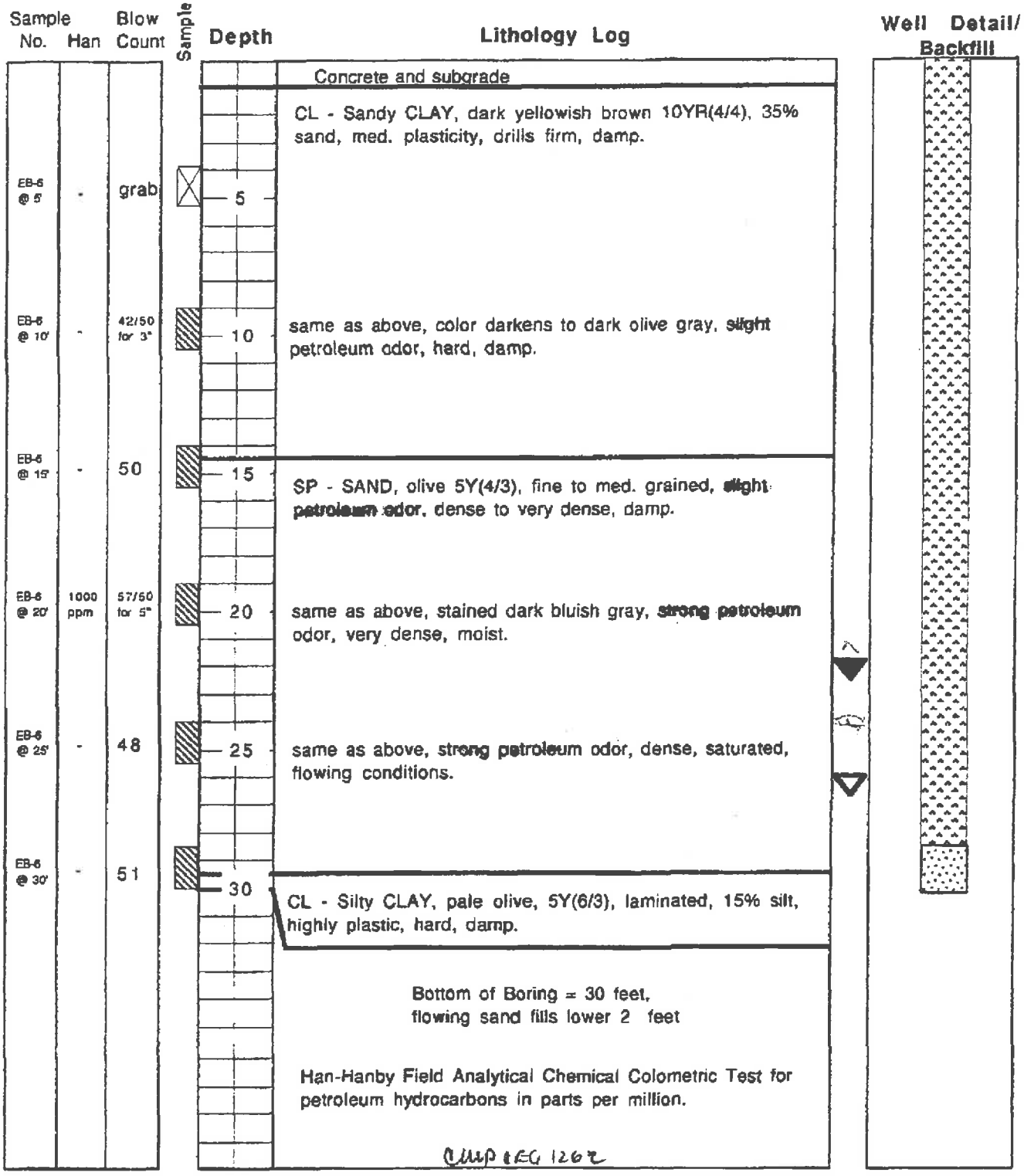
(1.&W) CEG 1262

Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9432 **Boring/Well No.** EB-6
Client: Douglas Parking **Date Drilled:** July 8, 1994
Location:1721 Webster St., Oakland, CA **Logged by:** EL
Drilling Method: Hollowstem **Permit:** Zone 7 borings
Water Levels: 1st Enc: 24' Static: 21.50'

Borehole Completion
Well Installed: No
Total Depth: 30'
Cement Grout Seal: 28' to surface



BORING LOG

Client: Douglas Parking Company

Project No: 58-197 Phase Task 02

Boring ID SB-A

Location 1721 Webster Street

Surface Elev. NA ft,

Page 1 of 1

Depth Feet	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			
				ASPHALT
5				Silty SAND; (SM); grey to brown; damp to moist; 30% silt, 70% fine to medium grained sand; moderate estimated permeability
10				
15				SAND; (SP); grey to brown; moist; 10% silt, 90% medium grained sand; high estimated permeability
20				
25				
30				

TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
			0	
			5	
			10	
			15	
nd			20	
			25	Bottom of boring
			30	

Driller Vironex

Logged By JME

Water-Bearing Zones NA

Drilling Started 2/22/96

Drilling Completed 2/22/96

Grout Type Portland Type I/II

Notes: Webster Street in #4 lane near site entrance

BOR 58197 5/21/96

Cambria Environmental Technology, Inc.

BORING LOG

Client: Douglas Parking Company

Project No: 58-197 Phase Task 02

Boring ID SB-B

Location 1721 Webster Street

Surface Elev. NA ft.

Page 1 of 1

Depth Feet	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			
				ASPHALT
				Silty SAND; (SM); brown; damp; 30% silt, 70% fine to medium grained sand; moderate estimated permeability
5				
10				moist
15				SAND; (SP); brown; damp; 10% silt, 90% medium grained sand; high estimated permeability
20				grey; wet
				20.00
25				
30				

TPHg (ppm) | Graphic Log | Boring Completion Graphics

Depth Feet: 0, 5, 10, 15, 20, 25, 30

Additional Comments: Bottom of boring

Driller Vironex

Logged By JME

Water-Bearing Zones NA

Drilling Started 2/22/96

Drilling Completed 2/22/96

Grout Type Portland Type I/II

Notes: Webster Street in #2 lane near site entrance

BOR 58197 5/21/96

Cambria Environmental Technology, Inc.

BORING LOG

Client: Douglas Parking Company

Project No: 58-197 Phase Task 02

Boring ID SB-C

Location 1721 Webster Street

Surface Elev. NA ft.

Page 1 of 1

Depth Feet	Blow Count	Sample Interval	Lithologic Description
0	Ground Surface		ASPHALT
5			Silty SAND: (SM); brown; moist; 30% silt, 70% fine to medium grained sand; moderate estimated permeability
10			wet
15			SAND: (SP); brown; moist; 10% silt, 90% medium grained sand; high estimated permeability
20			grey; wet
25			
30			

TPHg (ppm): 1.40

Graphic Log

Boring Completion Graphics

Depth Feet	Additional Comments
0	
5	
10	
15	
20	Bottom of boring
25	
30	

Driller Vironex

Logged By JME

Water-Bearing Zones NA

Drilling Started 2/22/96

Drilling Completed 2/22/96

Grout Type Portland Type I/II

Notes: Webster Street in #4 lane, 34' northeast of MW-2

BOR 58197 5/21/96

Cambria Environmental Technology, Inc.

BORING LOG

Client: Douglas Parking Company

Project No: 58-197 Phase Task 02

Boring ID SB-D

Location 1721 Webster Street

Surface Elev. NA ft,

Page 1 of 1

Depth Feet	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			
				ASPHALT
				Silty SAND; (SM); brown; damp; 30% silt, 70% fine to medium grained sand; moderate estimated permeability
5				
10				
15				SAND; (SP); brown; damp; 10% silt, 90% medium grained sand; high estimated permeability
20				grey; wet
				660.00
25				
30				

TPHg (ppm) | Graphic Log | Boring Completion Graphics

Depth Feet	Additional Comments
0	
5	
10	
15	
20	
	Bottom of boring
25	
30	

Driller Vironex

Logged By JME

Water-Bearing Zones NA

Drilling Started 2/22/96

Drilling Completed 2/22/96

Grout Type Portland Type I/II

Notes: Webster Street in #4 lane, 62' northeast of MW-2

BOR 58197 5/21/96

Cambria Environmental Technology, Inc.

BORING LOG

Client: **Douglas Parking Company**

Project No: **58-197** Phase Task **02**

Boring ID **SB-E**

Location **1721 Webster Street**

Surface Elev. **NA ft,**

Depth Feet	Blow Count	Sample	Interval	Lithologic Description
0	Ground Surface			
				ASPHALT
				Silty SAND: (SM); brown; damp; 30% silt, 70% fine to medium grained sand; moderate estimated permeability
5				
10				
15				SAND: (SP); brown; damp; 10% silt, 90% medium grained sand; high estimated permeability
20				grey; wet
25				
30				

TPHg (ppm): nd

Graphic Log

Boring Completion Graphics

Depth Feet: 0, 5, 10, 15, 20, 25, 30

Additional Comments: Bottom of boring

Driller **Vironex**	Drilling Started **2/23/96**	Notes: **Webster Street in #4 lane, 62' northeast of MW-2**
Logged By **JME**	Drilling Completed **2/23/96**	
Water-Bearing Zones **NA**	Grout Type **Portland Type I/II**	

BOR 58197 5/21/96

Cambria Environmental Technology, Inc.

BORING LOG

Client: Douglas Parking Company

Project No: 58-197 Phase Task 02

Boring ID SB-F

Location 1721 Webster Street

Surface Elev. NA 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	Ground Surface							0	
				ASPHALT					
				Silty SAND: (SM); brown; moist; 30% silt, 70% fine to medium grained sand; moderate estimated permeability					
5								5	
10								10	
15				SAND: (SP); brown; moist; 10% silt, 90% medium grained sand; high estimated permeabilty				15	
20				wet	nd			20	
25								25	Bottom of boring
30								30	

Driller Vironex

Logged By JME

Water-Bearing Zones NA

Drilling Started 2/23/96

Drilling Completed 2/23/96

Grout Type Portland Type I/II

Notes: Webster Street in #2 lane near 17th Street crosswalk

BOR 58197 5/21/96

Cambria Environmental Technology, Inc.

BORING LOG

Client: **Douglas Parking Company**

Project No: **58-197** Phase Task **02**

Boring ID **SB-G**

Location **1721 Webster Street**

Surface Elev. **NA 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	Ground Surface							0	
				ASPHALT					
				Silty SAND: (SM); brown; damp; 20% silt, 80% fine to medium grained sand; moderate to high estimated permeability					
5								5	
10				SAND: (SP); brown; moist; 10% silt, 90% medium grained sand; high estimated permeability				10	
15				wet				15	
20				wet	nd			20	Bottom of boring
25								25	
30								30	

Driller **Vironex**

Logged By **JME**

Water-Bearing Zones **NA**

Drilling Started **2/23/96**

Drilling Completed **2/23/96**

Grout Type **Portland Type I/II**

Notes: **Webster Street in #4 lane near 19th Street crosswalk**

BOR 58197 5/21/96

Cambria Environmental Technology, Inc.

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612

BORING NUMBER CB-1

CLIENT Douglas Parking
PROJECT NAME Douglas Parking
PROJECT NUMBER
PROJECT LOCATION 1721 Webster Street
DATE STARTED 12/10/13 **COMPLETED** 12/10/13
GROUND ELEVATION **HOLE SIZE** 3.25"
DRILLING CONTRACTOR Confluence Environmental
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING —
LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell
AT END OF DRILLING —
NOTES
AFTER DRILLING —

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					**Concrete.**
1.0			SP		**Sand (SP)**; brown; 100% fine to medium sand; moist.
3.0			CL		**Silty Clay (CL)**; brown and grey; 100% medium plasticity fines; moist.
5	CB-1-4				
8.0	CB-1-8		SC		**Clayey Sand (SC)**; grey and brown; 80-90% fine to medium sand; 10-20% medium plasticity fines; moist.
10					
12.0	CB-1-12				Bottom of hole at 12.0 feet.

BORING DIAGRAM

BH COPY DOUGLAS CB-1.GPJ GINT US.GDT 1/24/14

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612

BORING NUMBER CB-2

CLIENT Douglas Parking **PROJECT NAME** Douglas Parking

PROJECT NUMBER **PROJECT LOCATION** 1721 Webster Street

DATE STARTED 12/10/13 **COMPLETED** 12/10/13 **GROUND ELEVATION** **HOLE SIZE** 3.25"

DRILLING CONTRACTOR Confluence Environmental **GROUND WATER LEVELS:**

DRILLING METHOD Hand Auger **AT TIME OF DRILLING** —

LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell **AT END OF DRILLING** —

NOTES Hand Auger @ ~ 25 degree angle from vertical toward Webster St (SE) **AFTER DRILLING** —

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	BORING DIAGRAM
0					0.5 **Concrete.**	
					Fill Material. 1.5	
			SP		**Sand (SP)**; brown; 100% fine to medium sand; moist. 3.0	
	CB-2-4		CL		**Sandy Clay (CL)**; brown; 70-80% medium plasticity fines; 20-30% fine sand; moist.	
5						
	CB-2-8					
10	CB-2-10				10.0	

Boring Drilled at 25 degree angle from vertical. Depths shown are approximately 10% deeper than vertical depth bgs.)

Bottom of hole at 10.0 feet.

BH COPY DOUGLAS CB-2.GPJ GINT US.GDT 1/24/14

Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-1

Sheet 1 of 1

Date(s) Drilled	7/12/16	Logged By	E. Skov	Checked By	D. Raubvogel
Drilling Method	DPT - Dual Tube	Drilling Contractor	PeneCore Drilling	Total Depth of Borehole	25 feet bgs
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)	21.5	Sampling Method	Acetate Sleeve	Hammer Data	
Borehole Backfill		Location			

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0						SP	Concrete	Start: Finish:
	SB-1-3			0.0			Dark brown SAND with silt (fill) (no odor)	
5							Grading with clay	
			100	0.0		SC/CL	Dark yellowish brown clayey SAND/sandy CLAY (hard) (moist)	
	SB-1-9			0.0		CL	Yellowish brown clayey SAND	
10			100				Grading grayish brown	
			100	0.0		SM	Yellowish brown silty SAND with trace clay	
15	SB-1-15		100	0.0				
			100					
20				0.0			21.5 ft ▼ Grading light brownish gray (wet)	
						SP	Grayish brown SAND with trace silt (loose) (wet)	
25							Boring was completed to 25' bgs. Groundwater was encountered at 21.5' bgs. Boring was backfilled with bentonite.	
30								

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ENV2 W/O WELL C:\USERS\ANN_CAMPBELL\DESKTOP\ANN WORK\JULY 2016\60503932LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 7/21/16

Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-2

Sheet 1 of 1

Date(s) Drilled	**7/11/16**	Logged By	**E. Skov**	Checked By	**D. Raubvogel**
Drilling Method	**DPT - Dual Tube**	Drilling Contractor	**PeneCore Drilling**	Total Depth of Borehole	**25 feet bgs**
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)	**21.5**	Sampling Method	**Acetate Sleeve**	Hammer Data	
Borehole Backfill		Location			

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0							SP	Concrete	Strat: 1810
						0.0			Dark brown fine SAND with silt (medium dense) (moist) (no odor) (fill)	Finish: 1945
									Grading yellowish brown	
			SB-2-4					SC	Dark yellowish brown clayey fine to very fine SAND (medium dense to dense) (moist)	1820
	5					0.0				
					100	0.0			Grading yellowish brown	
						0.0			Grading mottled yellowish brown and light gray clayey SAND (very dense to dense) (moist) (no odor)	
	10		SB-2-10			0.0				1905
					100			SM	Mottled yellowish brown and light gray silty SAND with clay (very dense) (moist)	
								SC	Grading with increasing clay to clayey sand	
					100	0.0		SM	Yellowish brown silty fine to very fine SAND with trace clay (dense to very dense) (moist)	
	15		SB-2-15							
					100			SP	Yellowish brown SAND with silt and trace clay (medium dense) (moist) (no odor)	
						0.0			Grading brown	
					100	0.0				
	20									
					100				21.5 ft ▼ Grading (wet)	
					100			CL	Yellowish brown CLAY with trace silt (medium stiff to stiff) (moist) (no odor)	
								SP	Yellowish brown SAND with silt and trace clay (medium dense) (wet)	
	25								Boring was completed to 25' bgs. Groundwater was encountered at 21.5' bgs. Boring was backfilled with bentonite.	
	30									

ENV2 W/O WELL C:\USERS\ANN_CAMPBELL\DESKTOP\ANN WORK\JULY 20\60503932LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 7/21/16

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Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-3

Sheet 1 of 1

Date(s) Drilled	7/12/16	Logged By	E. Skov	Checked By	D. Raubvogel
Drilling Method	DPT - Dual Tube	Drilling Contractor	PeneCore Drilling	Total Depth of Borehole	15 feet bgs
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)		Sampling Method	Acetate Sleeve	Hammer Data	
Borehole Backfill		Location			

Elevation, feet	Downhole Depth, feet	SAMPLES Type	Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0								Concrete	Start: 2110 Finish:
			SB-3-2			0.0		SP	Dark brown very fine SAND with trace silt (medium dense) (moist) (fill)	
								SC/CL	Yellowish brown clayey SAND/sandy CLAY (moist)	
	5		SB-3-7		100	0.0			Grading mottled dark yellowish brown and light gray	
	10				100	0.0		SP	Dark yellowish brown SAND with trace silt (loose to medium dense) (moist to wet) Clayey zone 11.5'-12'	
			SB-3-14		100	0.0			Grading yellowish brown	
	15								Boring was completed to 15' bgs. Groundwater was not encountered. Boring was backfilled with bentonite.	
	20									
	25									
	30									

Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-4

Sheet 1 of 1

Date(s) Drilled	**7/12/16**	Logged By	**E. Skov**	Checked By	**D. Raubvogel**
Drilling Method	**DPT - Dual Tube**	Drilling Contractor	**PeneCore Drilling**	Total Depth of Borehole	**25 feet bgs**
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)	**21**	Sampling Method	**Acetate Sleeve**	Hammer Data	
Borehole Backfill		Location			

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0							SP	Concrete Very dark brown SAND with silt (moist) (no odor) (fill)	Start: 1200 Finish:
			SB-4-3			0.0				
	5				100	0.0		SC	Dark yellowish brown clayey fine SAND (medium dense) (moist) (no odor) Grading yellowish brown	
	10		SB-4-10		80	0.0		SM	Yellowish brown silty fine SAND with trace clay (medium dense) (moist) (no odor) Grading with clay Grading dark yellowish brown Grading clay lense	
	15		SB-4-15		100				Grading with silt	
					100	0.0			Grading with decreasing clay	
					100					
	20							SP	Light brownish gray SAND with trace silt (loose to medium dense) (moist to wet) 21 ft ▼	
	25								Boring was completed to 25' bgs. Groundwater was encountered at 21' bgs. Boring was backfilled with bentonite.	
	30									

ENV2 W/O WELL C:\USERS\ANN_CAMPBELL\DESKTOP\ANN WORK\JULY 20\60503932LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 7/21/16

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Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-5

Sheet 1 of 1

Date(s) Drilled	**7/12/16**	Logged By	**E. Skov**	Checked By	**D. Raubvogel**
Drilling Method	**DPT - Dual Tube**	Drilling Contractor	**PeneCore Drilling**	Total Depth of Borehole	**15 feet bgs**
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)		Sampling Method	**Acetate Sleeve**	Hammer Data	
Borehole Backfill		Location			

Elevation, feet / Downhole Depth, feet	SAMPLES: Type / Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0						SP	Concrete Very dark brown fine to very fine SAND with silt (medium dense) (moist) (Fill)	Start: Finish:
				0.0			Grading yellowish brown	
5	SB-5-5					SM	Dark yellowish brown silty fine SAND with clay (dense) (moist) (no odor)	
			100	0.0				
	SB-5-9					SC/CL	Dark yellowish brown and light gray clayey SAND/sandy CLAY with silt, small manganese nodules (dense to very dense) (moist)	
10			100	0.0				
						SM	Yellowish brown silty fine to very fine SAND with clay (medium dense to dense) (moist)	
	SB-5-14		100	0.0				
15							Boring was completed to 15' bgs. Groundwater was not encountered. Boring was backfilled with bentonite.	
20								
25								
30								

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ENV2 W/O WELL C:\USERS\ANN_CAMPBELL\DESKTOP\ANN WORK\JULY 20\60503932LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 7/21/16

Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-6

Sheet 1 of 1

Date(s) Drilled	7/12/16	Logged By	E. Skov	Checked By	D. Raubvogel
Drilling Method	DPT - Dual Tube	Drilling Contractor	PeneCore Drilling	Total Depth of Borehole	15 feet bgs
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)		Sampling Method	Acetate Sleeve	Hammer Data	
Borehole Backfill		Location			

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0							Concrete	Start: Finish:
						SP	Dark brown very fine SAND with silt (medium dense) (moist) (Fill)	
	SB-6-3			0.0			Grading yellowish brown	
5						SC	Yellowish brown clayey fine SAND with silt (medium dense) (moist)	
			100	0.0			Grading light yellowish brown	
10	SB-6-10							
			100	0.0		SM	Light yellowish brown silty fine SAND (dense) (moist)	
			100	0.0			Grading with clay	
15	SB-6-15						Boring was completed to 15' bgs. Groundwater was not encountered. Boring was backfilled with bentonite.	
20								
25								
30								

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Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-7

Sheet 1 of 1

Date(s) Drilled	7/12/16	Logged By	E. Skov	Checked By	D. Raubvogel
Drilling Method	DPT - Dual Tube	Drilling Contractor	PeneCore Drilling	Total Depth of Borehole	22.5 feet bgs
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)		Sampling Method	Acetate Sleeve	Hammer Data	
Borehole Backfill		Location			

Elevation, feet / Downhole Depth, feet	SAMPLES: Type / Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0							Concrete	Start: Finish:
	SB-7-1			0.0		SP	Yellowish brown fine to very fine SAND with silt (medium dense) (moist)	
							Grading light yellowish brown	
5	SB-7-6		100	0.0		SC	Mottled dark yellowish brown and light gray clayey SAND (dense) (moist)	
						SM	Yellowish brown silty fine SAND (dense) (moist)	
10			100	0.0			Clayey zone 9'-9'5'	
	SB-7-14		100			SP	Yellowish brown fine SAND with trace silt (dense) (moist)	
15			100	0.0				
			100					
20				0.0			Grading stained soil at 20.5' (hydrocarbon odor) (wet)	
							Boring was completed to 22.5' bgs. Groundwater encountered at 20'bgs. Boring was backfilled with bentonite.	
25								
30								

Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-8

Sheet 1 of 1

Date(s) Drilled	7/11/16	Logged By	E. Skov	Checked By	D. Raubvogel
Drilling Method	DPT - Dual Tube	Drilling Contractor	PeneCore Drilling	Total Depth of Borehole	15 feet bgs
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)		Sampling Method	Acetate Sleeve	Hammer Data	
Borehole Backfill		Location			

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0								Concrete	Start: 2100 Finish:
			SB-8-1					GP	Dark brown very fine SAND with silt (medium dense) (moist)	
									Grading yellowish brown	
						0.0		SC	Dark yellowish brown clayey fine SAND (medium dense to dense) (moist) (no odor)	
	5									
			SB-8-8		100	0.0			Grading light yellowish brown	
	10					0.0				
					100			SM	Light yellowish brown silty fine SAND (medium dense to dense) (moist)	
			SB-8-13						Grading with trace clay	
					100	0.0				
	15								Boring was completed to 15' bgs. Groundwater was not encountered. Boring was backfilled with bentonite.	
	20									
	25									
	30									

AECOM

ENV2 W/O WELL C:\USERS\ANN_CAMPBELL\DESKTOP\ANN WORK\JULY 20\60503932LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 7/21/16

Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-9

Sheet 1 of 1

Date(s) Drilled	**7/11/16**	Logged By	**E. Skov**	Checked By	**D. Raubvogel**
Drilling Method	**DPT - Dual Tube**	Drilling Contractor	**PeneCore Drilling**	Total Depth of Borehole	**25 feet bgs**
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)	**22**	Sampling Method	**Acetate Sleeve**	Hammer Data	
Borehole Backfill		Location			

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0								Concrete	Start: 2230 Finish:
			SB-9-2			0.0		SP	Very dark brown very fine SAND with silt (medium dense) (moist)	
									Grading yellowish brown (no odor)	
	5		SB-9-6		100	0.0		SM	Brownish yellow silty fine to very fine SAND with trace clay (medium dense) (moist)	
	10				100	0.0		SC	Mottled yellowish brown and light gray clayey fine SAND (dense to very dense) (moist)	
			SB-9-14		100	0.0		SM	Light yellowish brown silty fine SAND (dense) (moist) (no odor)	
	15				100	0.0			Grading with clay	
					100				Grading trace clay	
	20				100				Grading yellowish brown, no clay	
					100				22 ft ▼ Grading (wet), some small clayey zones 1"-2" thick 22'-25'	
	25				100				Boring was completed to 25' bgs. Groundwater was encountered at 22' bgs. Boring was backfilled with bentonite.	
	30									

Project: Holland Partners Group
Project Location: 1721 Webster Street, Oakland, CA
Project Number: 60503932

Log of Boring SB-10

Sheet 1 of 1

Date(s) Drilled	7/12/16	Logged By	E. Skov	Checked By	D. Raubvogel
Drilling Method	DPT - Dual Tube	Drilling Contractor	PeneCore Drilling	Total Depth of Borehole	5 feet bgs
Drill Rig Type		Drill Bit Size/Type		Ground Surface Elevation (feet MSL)	
Groundwater Level (feet bgs)		Sampling Method	Acetate Sleeve	Hammer Data	
Borehole Backfill		Location			

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0								Concrete	Start: Finish:
			SB-10-1			0.0		SP	Very dark brown fine to very fine SAND with silt (medium dense) (moist)	
									Grading dark yellowish brown	
	5					0.0		SC/CL	Dark yellowish brown clayey fine SAND/sandy CLAY (dense to very dense)(moist)	
									Boring was completed to 5' bgs. Groundwater was not encountered. Boring was backfilled with bentonite.	
	10									
	15									
	20									
	25									
	30									

ENV2 W/O WELL C:\USERS\ANN_CAMPBELL\DESKTOP\ANN WORK\JULY 20\60503932LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 7/21/16

AECOM

PANGEA	Client: Douglas Parking Project: Address: 1721 Webster St. Oakland	**BORING LOG** Boring No. - SG-1 Page: 1 of 1

Drilling Start Date: 9/8/16	Boring Depth (ft): 6'
Drilling End Date: 9/8/16	Boring Diameter (in): 3.5"
Drilling Company: Cont'd	Sampling Method(s): none
Drilling Method: Hand Auger	DTW During Drilling (ft): —
Drilling Equipment: Hand Auger	DTW After Drilling (ft): —
Driller: Self	Ground Surface Elev. (ft): —
Logged By: B. Lerner	Location (X,Y): See map

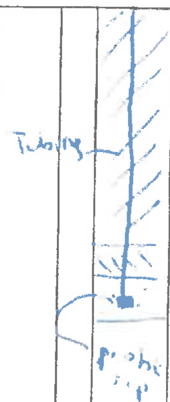
DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Date & Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0			Hydrated bent					6" concrete Dark brown sand poorly graded no odor dry			0
								2.5' Brown sandy silt ( ) no odor dry			
5			Dry Bent 1Ft Sand					6.0 Boring terminated			5
								SG-1 Construction 1 Foot sand 6" dry bentonite Hydrated bent. to surface 3.5" diameter ¼" (0.17"ID) Teflon tubing 1" screen 6" well box - Probe tip set at 5.5' bgs (middle of sand pack.			
10											10
15											15
20											20

NOTES:

PANGEA	Client: Douglas Parking Project: Address: 1721 Webster St, Oakland	**BORING LOG** **Boring No.** - SG-2 **Page:** 1 of 1

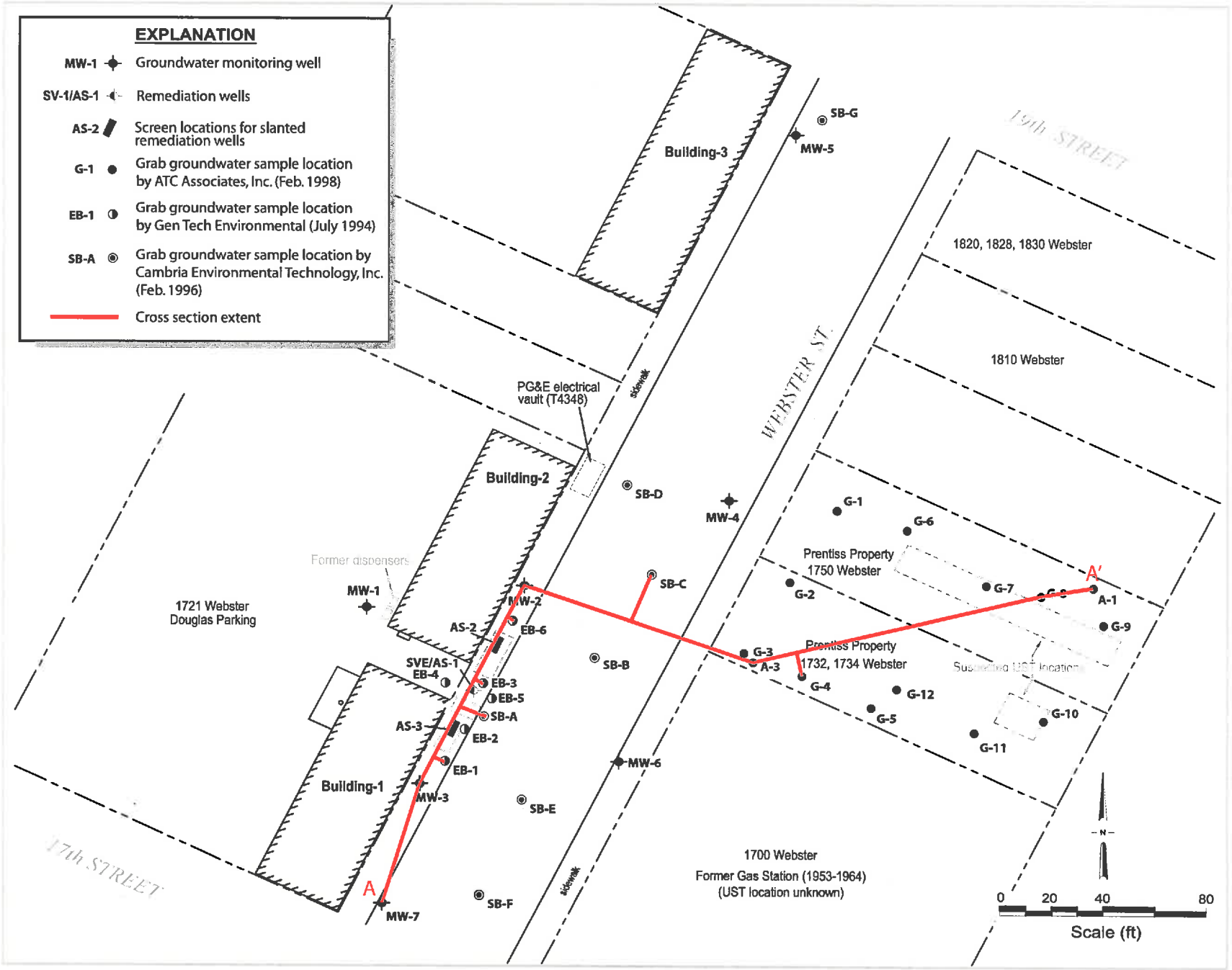
Drilling Start Date: 9/8/16	Boring Depth (ft): 6'
Drilling End Date: 9/8/16	Boring Diameter (in): 3.5"
Drilling Company: Confluence	Sampling Method(s): none
Drilling Method: Hand Auger	DTW During Drilling (ft): —
Drilling Equipment: Hand Auger	DTW After Drilling (ft): —
Driller: Jesus	Ground Surface Elev. (ft): —
Logged By: C Leivery	Location (X,Y): see map

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Date & Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								4" concrete			0
				Hyd Bent				Brown Sand ( ) poorly graded, dry, no odor			
								-3.0 Light brown sandy silt ( ) dry, no odor			
5				dry bent							5
				sand				-6.0 boring terminated			
								SG-2 Construction 3.5" diameter			
10								1 ft Sand 5'-6' 6" dry Bentonite (4.5'-5') Hydrated bent to surface - 1/4 (0.17 id) teflon tubing - 1" screened probe tip - 6" well box to match surface elev.			10
15								probe tip set at 5.5' bgs (middle of sand pack)			15
20											20



NOTES:

ATTACHMENT 10

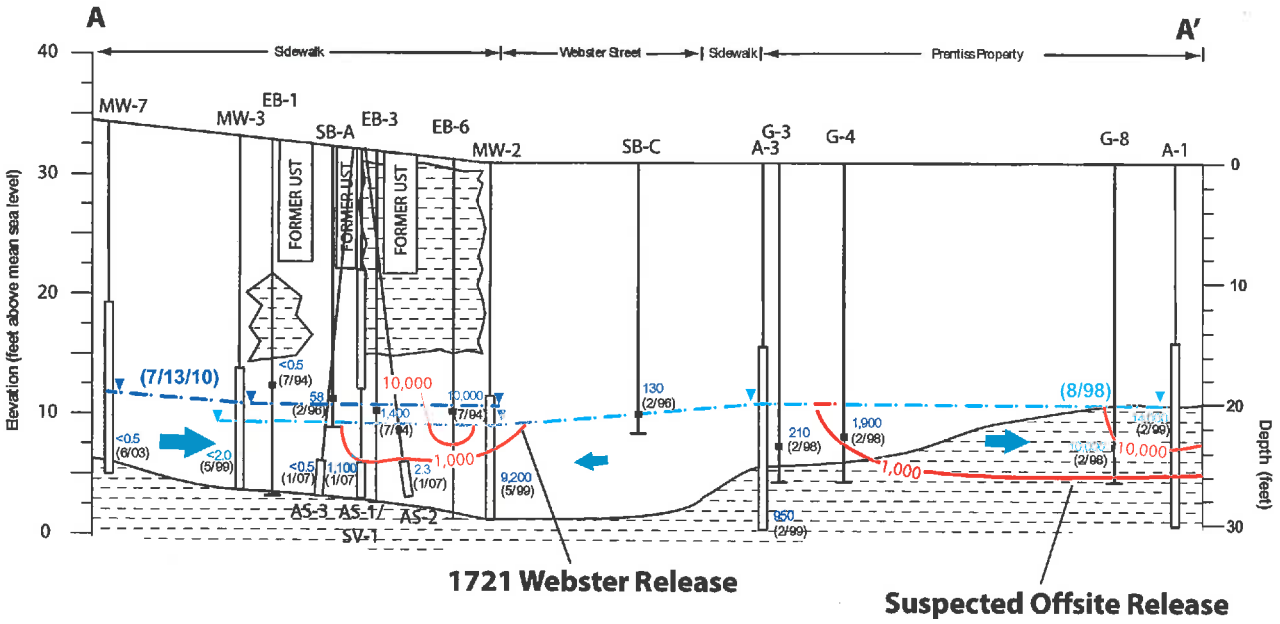


Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Monitoring Well and Boring Location Map

FIGURE
1



EXPLANATION

- Coarse (Sands)
- Fine (Silt or Clay)
- 1,000 — Benzene isoconcenration contours
- Static groundwater elevation piezometric surface (July 2010)
- Static groundwater elevation piezometric surface (August 1998)
- Groundwater gradient with respect to cross section; large arrow represents downgradient, small arrow crossgradient.
- MW-3 — Groundwater monitoring well
- 9,200 (5/99) — Benzene concentrations in well groundwater (sample date, µg/L)
- EB-1 — Soil boring showing approximate groundwater sample location, first encountered groundwater
- 210 (2/98) — Benzene concentrations in grab groundwater (sample date, µg/L)

Vertical Exaggeration 1:4

Horizontal Scale in Feet

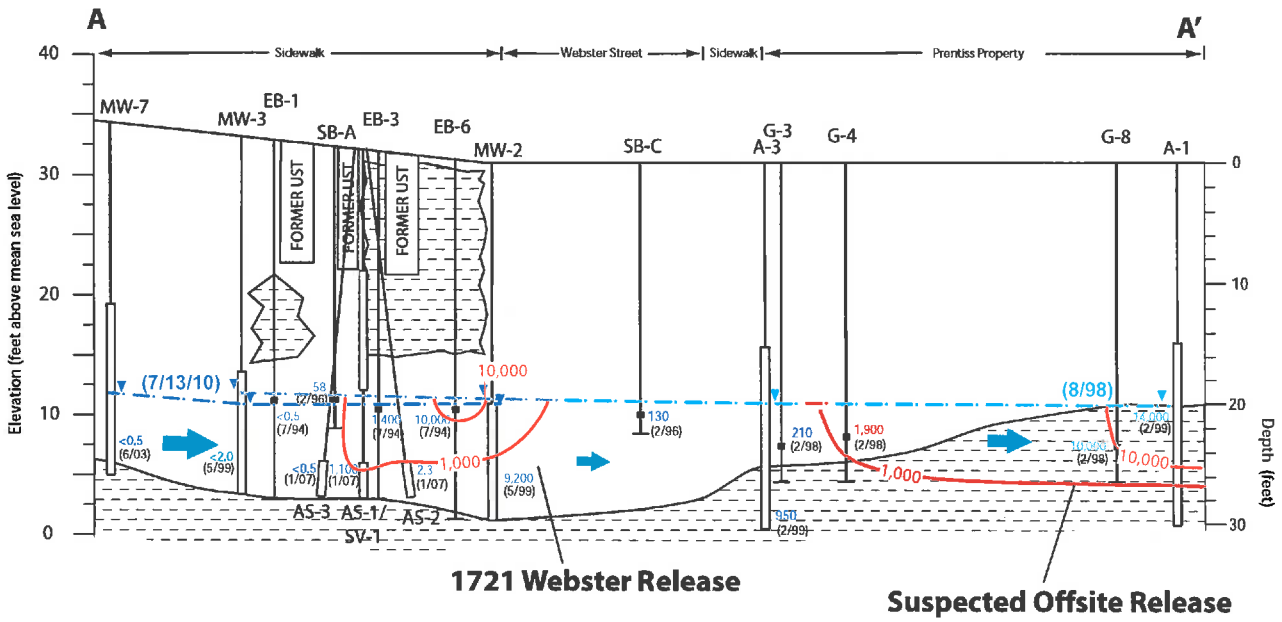
0 20 40

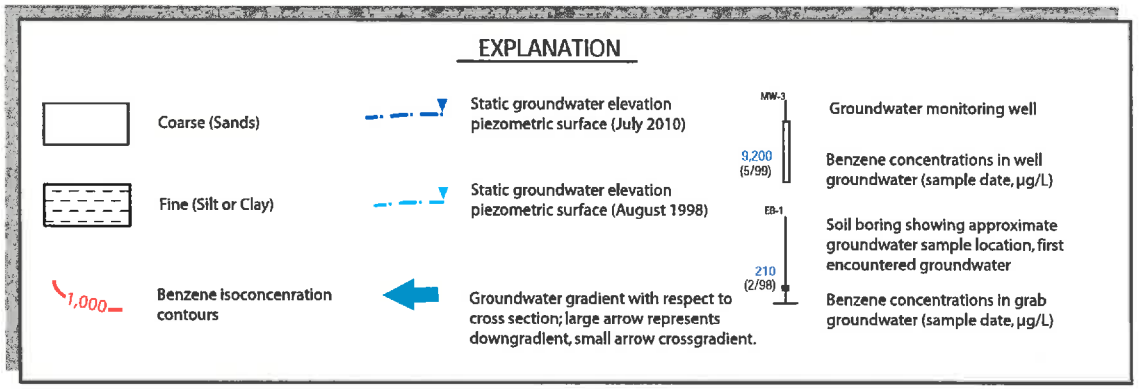
Figure 2

Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Geologic Cross Section A-A' Showing Benzene Distribution in Groundwater





Vertical Exaggeration
1:4
Horizontal
Scale in Feet
0 20 40

Figure
3

Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Geologic Cross Section A-A' Showing Benzene Distribution in Groundwater and Adjusted Groundwater Elevation

Table 1 - Groundwater Monitoring Program

Douglas Parking Company, 1721 Webster Street, Oakland, CA.

Well ID	Well Type	Screened Interval (ft bgs)	Well Location for Monitoring	Casing Diam. (in)	Gauge Frequency	Sample Frequency	TPHg/BTEX/ MTBE	TAME/TBA/ DIPE/ETBE/ MTBE
Onsite Monitoring and Remediation Wells								
MW-1	Mon	17-30	Source Area	2	1st, 3rd	1st	1st	---
MW-2	Mon	19.5-29.5	Downgradient	2	1st, 3rd	1st, 3rd	1st, 3rd	---
MW-3	Mon	20-30	Upgradient	2	1st, 3rd	1st, 3rd	1st, 3rd	---
AS-1	Rem	27-30	Source Area	1	---	---	---	---
AS-2	Rem	27-30	Source Area	2	---	---	---	---
AS-3	Rem	27-30	Source Area	2	---	---	---	---
Offsite Monitoring Wells								
MW-4	Mon	15-30	Mid-Downgradient	2	1st, 3rd	1st, 3rd	1st, 3rd	---
MW-5	Mon	10-25	Downgradient	2	1st, 3rd	1st	1st	---
MW-6	Mon	15-30	Crossgradient	2	1st, 3rd	1st, 3rd	1st, 3rd	---
MW-7	Mon	15-30	Upgradient	2	1st, 3rd	1st	1st	---

Notes and Abbreviations:

1st = Sampled during the 1st quarter, typically January

1st, 3rd = Sampled during the 1st and 3rd quarters, typically January and July

Mon = Groundwater Monitoring Only

Rem= Remediation Well Only

--- = None or not applicable

AS-1 = Air Sparging Well

PANGEA

Table 3 - Groundwater Elevation and Analytical Data.

Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				←			(µg/L)		→
Monitoring Wells									
MW-1	12/2/1994	19.42	9.83	ND	ND	ND	ND	ND	-
29.25	3/6/1995	20.69	9.04	ND	ND	ND	ND	ND	-
29.73	7/11/1995	20.65	9.16	ND	ND	ND	ND	ND	-
29.81	5/10/1996	20.80	9.01	ND	ND	ND	ND	ND	-
	10/2/1996	21.35	8.46	-	-	-	-	-	-
	2/28/1997	20.57	9.24	-	-	-	-	-	-
	9/16/1997	21.50	8.31	-	-	-	-	-	-
	2/5/1998	20.91	8.90	-	-	-	-	-	-
	8/11/1998	20.50	9.31	-	-	-	-	-	-
	2/8/1999	21.42	8.39	-	-	-	-	-	-
	2/24/1999	22.99	6.82	-	-	-	-	-	-
	3/3/1999	20.84	8.97	-	-	-	-	-	-
	3/10/1999	20.89	8.92	-	-	-	-	-	-
	3/17/1999	20.84	8.97	-	-	-	-	-	-
	5/4/1999	20.80	9.01	-	-	-	-	-	-
	7/20/1999	21.25	8.56	-	-	-	-	-	-
	10/5/1999	21.37	8.44	-	-	-	-	-	-
	1/7/2000	21.65	8.16	-	-	-	-	-	-
	4/6/2000	21.05	8.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/31/2000	21.13	8.68	-	-	-	-	-	-
	10/3/2000	21.69	8.12	-	-	-	-	-	-
	1/12/2001	22.00	7.81	-	-	-	-	-	-
	4/11/2001	22.16	7.65	-	-	-	-	-	-
	7/6/2001	22.57	7.24	-	-	-	-	-	-
	10/25/2001	22.71	7.10	-	-	-	-	-	-
	3/4/2002	22.53	7.28	-	-	-	-	-	-
	4/18/2002	22.81	7.00	-	-	-	-	-	-
	7/9/2002	22.95	6.86	-	-	-	-	-	-
	10/4/2002	23.13	6.68	-	-	-	-	-	-
	1/12/2003	22.05	7.76	-	-	-	-	-	-
	4/21/2003	21.17	8.64	-	-	-	-	-	-
32.75	7/21/2003	21.39	11.36	-	-	-	-	-	-
	10/2/2003	21.64	11.11	-	-	-	-	-	-
	1/15/2004	21.10	11.65	-	-	-	-	-	-
	4/5/2004	21.20	11.55	-	-	-	-	-	-
	8/9/2004	22.97	9.78	-	-	-	-	-	-
	10/7/2004	23.55	9.20	-	-	-	-	-	-
	2/7/2005	20.90	11.85	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2005	20.60	12.15	-	-	-	-	-	-
	7/6/2005	20.66	12.09	-	-	-	-	-	-
	10/10/2005	21.16	11.59	-	-	-	-	-	-
	1/26/2006	20.73	12.02	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/10/2006	20.05	12.70	-	-	-	-	-	-
	7/6/2006	20.90	11.85	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/26/2006	21.80	10.95	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/19/2007	22.02	10.73	–	–	–	–	–	–
	4/17/2007	22.13	10.62	–	–	–	–	–	–
	7/6/2007	21.83	10.92	–	–	–	–	–	–
	10/15/2007	22.28	10.47	–	–	–	–	–	–
	1/17/2008	22.33	10.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/9/2008	22.11	10.64	–	–	–	–	–	–

Table 3 - Groundwater Elevation and Analytical Data.
Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← (µg/L) →					
MW-1	7/17/2008	22.50	10.25	–	–	–	–	–	–
(cont'd)	10/27/2008	22.75	10.00	–	–	–	–	–	–
	1/9/2009	22.89	9.86	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/27/2009	22.40	10.35	–	–	–	–	–	–
	7/9/2009	22.55	10.20	–	–	–	–	–	–
	2/3/2010	22.08	10.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/13/2010	21.20	11.55	—	—	—	—	—	—
	1/17/2011					Well Inaccessible			
	7/12/2011	20.72	12.03	–	–	–	–	–	–
	1/11/2012	21.33	11.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/25/2012	20.94	11.81	–	–	–	–	–	–
	1/25/2013	21.41	11.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/29/2013	22.14	10.61	–	–	–	–	–	–
	1/28/2014	22.75	10.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/24/2014	22.84	9.91	–	–	–	–	–	–
	1/22/2015	22.45	10.30	<50	<0.5	<0.5	<0.5	<1.5	<5.0
	7/20/2015	22.87	9.88	–	–	–	–	–	–
	8/3/2016	22.27	10.48	<50	<0.5	<0.5	<0.5	<1.5	<5.0
	1/20/2017	**21.83**	**10.92**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<5.0**
MW-2	12/2/1994	19.50	7.60	61,300	3,000	3,900	160	4,500	-
27.10	3/6/1995	18.49	8.61	98,000	8,400	16,000	2,000	2,600	-
27.40	7/11/1995	18.45	8.95	38,000	3,100	7,500	940	3,700	-
	5/10/1996	18.56	8.84	63,000	7,400	16,000	1,500	6,000	-
	10/2/1996	19.15	8.25	21,000	2,200	3,400	430	1,600	-
	2/28/1997	18.43	8.97	39,000	4,700	9,600	950	4,200	ND
	9/16/1997	19.26	8.14	29,000	3,300	5,800	690	2,900	<620
	2/5/1998	18.66	8.74	10,000	1,000	2,000	170	860	<330
	8/11/1998	18.41	8.99	12,000	1,200	2,300	260	1,400	300
	2/8/1999	19.84	7.56	5,500	740	1,200	150	780	60
	2/17/1999	18.94	8.46	-	-	-	-	-	-
	2/24/1999	20.76	6.64	-	-	-	-	-	-
	3/3/1999	18.55	8.85	-	-	-	-	-	-
	3/10/1999	20.74	6.66	-	-	-	-	-	-
	3/17/1999	18.57	8.83	-	-	-	-	-	-
	5/4/1999	18.55	8.85	90,000	9,200	21,000	1,600	10,000	560
	7/20/1999	18.98	8.42	28,000	2,100	3,700	900	4,200	<860
	10/5/1999	19.10	8.30	11,000	870	180	30	1,400	<110
	1/7/2000	19.41	7.99	15,000	1,300	2,100	440	1,800	<14
	4/6/2000	18.80	8.60	17,000	1,800	3,100	500	2,200	<50
	7/31/2000	18.87	8.53	17,000	1,500	2,700	430	2,100	<200
	10/3/2000	19.45	7.95	27,000	2,500	4,000	660	2,900	<50
	1/12/2001	19.80	7.60	25,000	2,700	4,100	670	3,000	<200
	4/11/2001	20.03	7.37	97,000	9,500	21,000	2,200	7,900	<200
	7/6/2001	20.19	7.21	3,500	500	150	11	420	<5.0
	10/25/2001	20.35	7.05	3,800	620	230	70	400	<50
	3/4/2002	20.37	7.03	46,000	7,300	12,000	870	3,200	<500
	4/18/2002	20.15	7.25	68,000	5,100	8,900	1,100	4,000	<1,000
	7/9/2002	21.09	6.31	1,000	200	8.9	0.67	82	<10
	10/4/2002	21.28	6.12	270	100	3.4	0.53	10	<5.0
	1/12/2003	20.59	6.81	67,000	7,600	13,000	1,400	5,600	<500
	4/21/2003	19.98	7.42	78,000	7,700	12,000	1,900	6,900	<500
30.40	7/21/2003	20.08	10.32	1,800	360	16	<5.0	190	<50
	10/2/2003	20.41	9.99	4,000	790	110	60	350	<50

Table 3 - Groundwater Elevation and Analytical Data.
Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← (µg/L) →					
MW-2	1/15/2004	19.93	10.47	8,100	6.1	23	44	530	<50
(cont'd)	4/5/2004	18.99	11.41	14,000	1,600	2,100	550	2,500	<500
	8/9/2004	19.79	10.61	1,200	210	16	14	100	<20
	10/7/2004	20.26	10.14	1,100	2.3	9.8	2.9	36	<5.0
	2/7/2005	18.80	11.60	45,000	4,400	4,800	1,400	5,800	<200
	4/5/2005	18.40	12.00	34,000	3,700	3,600	1,200	5,300	<500 (<5.0)
	7/6/2005	18.48	11.92	24,000	1,600	1,700	570	2,800	<500
	10/10/2005	19.00	11.40	25,000	1,700	2,100	710	3,200	<500
	1/26/2006	18.58	11.82	60,000	4,600	7,200	1,600	6,900	<1,000
	4/10/2006	17.84	12.56	56,000	4,900	7,500	1,200	7,400	<500
	7/6/2006	18.76	11.64	28,000	1,900	1,700	720	2,900	<500
	10/26/2006	19.60	10.80	43,000	2,800	2,500	1,700	7,600	<500
	1/19/2007	19.84	10.56	31,000	2,700	2,400	1,400	5,800	<150
	4/17/2007	19.90	10.50	37,000	3,200	2,900	1,600	6,400	<400
	7/6/2007	19.63	10.77	30,000	3,200	2,000	1,500	5,200	<250
	10/15/2007	20.11	10.29	20,000	1,200	990	650	2,300	<500
	1/17/2008	20.10	10.30	38,000	2,900	5,100	1,200	5,000	<210
	4/9/2008	20.12	10.28	51,000	3,000	6,400	1,700	6,500	<250
	7/17/2008	20.01	10.39	22,000	180	500	660	2,100	<250
	10/27/2008	20.61	9.79	26,000	570	2,100	670	3,400	<50
	1/9/2009	20.80	9.60	16,000	240	680	460	3,000	<100
	4/27/2009	20.17	10.23	16,000	130	660	570	3,600	<500
	7/9/2009	20.36	10.04	8,500	30	110	250	1,400	<100
	2/3/2010	19.84	10.56	22,000	47	140	500	3,000	<100
	7/13/2010	19.08	11.32	1,900	3.5	5.8	38	110	<5.0
	1/17/2011	19.02	11.38	17,000	23	100	330	2,200	<100
	7/12/2011	18.52	11.88	15,000	22	30	190	740	<50
	1/12/2011	19.18	11.22	20,000	17	47	250	2,100	<84
	7/25/2012	18.83	11.57	440	<0.5	2.2	1.0	39	<5.0
	1/25/2013	19.21	11.19	8,300	17	11	140	510	<50
	7/29/2013	19.94	10.46	8,000	13	13	200	100	<25
	1/28/2014	20.56	9.84	5,900	10	7.3	100	80	<50
	7/24/2014	20.61	9.79	2,100	1.5	3.1	21	37	<5.0
	1/22/2015	20.24	10.16	1,700	3.3	3.0	8.0	25	<10
	7/20/2015	20.66	9.74	770	0.57	0.69	9.2	10	<5.0
	8/3/2016	20.03	10.37	980	0.9	1.9	9.4	9.9	<5.0
	1/20/2017	**19.49**	**10.91**	**3,000**	**2.7**	**3.7**	**19**	**29**	**<5.0**
MW-3	12/2/1994	22.15	7.35	394,000	1,200	ND	1,800	4,000	-
29.50	3/6/1995	20.09	9.16	21,000	400	150	24	62	-
29.25	7/11/1995	19.99	9.57	12,000	ND	10	16	99	-
29.56	5/10/1996	20.24	9.32	8,600	ND	7.6	16	84	-
	10/2/1996	20.90	8.66	11,000	ND	7.4	19	92	-
	2/28/1997	20.12	9.44	6,000	ND	4.4	17	88	50
	9/16/1997	20.97	8.59	6,500	<0.5	0.69	1.2	6.7	<5.0
	2/5/1998	20.39	9.17	5,400	<0.5	6.3	15	86	<63
	8/11/1998	19.95	9.61	2,700	<0.5	3.5	3.2	12	<10
	2/8/1999	20.58	8.98	6,100	<0.5	8.1	18	80	<140
	2/17/1999	20.53	9.03	-	-	-	-	-	-
	2/24/1999	22.53	7.03	-	-	-	-	-	-
	3/3/1999	20.28	9.28	-	-	-	-	-	-
	3/10/1999	22.45	7.11	-	-	-	-	-	-
	3/17/1999	20.26	9.30	-	-	-	-	-	-
	5/4/1999	20.24	9.32	11,000	<2	<2	9.8	140	<10

Table 3 - Groundwater Elevation and Analytical Data.
Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← (µg/L) →					
MW-3	7/20/1999	20.68	8.88	11,000	<0.5	3.1	13	88	<80
(cont'd)	10/5/1999	20.81	8.75	31,000	62	<0.5	21	170	<90
	1/7/2000	21.09	8.47	13,000	<0.5	<2	21	140	<80
	4/6/2000	20.48	9.08	5,300	1.5	1.4	9.8	60	<30
	7/31/2000	20.62	8.94	7,100	3.5	1.0	12	66	<5.0
	10/3/2000	21.13	8.43	8,000	<0.5	3.3	11	70	<40
	1/12/2001	21.45	8.11	11,000	4.3	6.7	11	73	<70
	4/11/2001	21.69	7.87	10,000	<0.5	<0.5	11	65	<10
	7/6/2001	21.60	7.96	13,000	5.3	1.6	11	58	<5.0
	10/25/2001	21.70	7.86	11,000	<0.5	3.0	15	70	<10
	3/4/2002	21.65	7.91	1,900	1.3	0.8	<0.5	15	<5.0
	4/18/2002	21.77	7.79	1,500	1.0	0.97	1.3	5.8	<5
	7/9/2002	22.03	7.53	13,000	6.8	5.7	13	59	<90
	10/4/2002	22.15	7.41	8,400	<10	<10	<10	42	<100
	1/12/2003	21.13	8.43	9,000	9.5	5.1	8.5	46	<90
	4/21/2003	20.63	8.93	10,000	<5.0	<5.0	8.5	32	<50
32.56	7/21/2003	20.68	11.88	9,600	<2.5	<2.5	7.4	39	48 (<1.0)
	10/2/2003	20.99	11.57	12,000	<5.0	<5.0	10	40	<90
	1/15/2004	20.74	11.82	13,000	37	41	78	930	<50
	4/5/2004	20.59	11.97	4,500	<1.7	<1.7	<1.7	12	<17
	8/9/2004	22.18	10.38	2,100	<1.0	3.7	<1.0	8.1	<10
	10/7/2004	22.79	9.77	2,400	6.5	26	7.5	89	<15
	2/7/2005	20.35	12.21	6,800	2.2	5.6	2.0	12	<30
	4/5/2005	19.95	12.61	6,100	2.3	2.6	1.3	8.3	<45 (<0.5)
	7/6/2005	19.93	12.63	4,500	<1.0	1.5	1.0	8.3	<10
	10/10/2005	20.45	12.11	3,800	0.73	<0.5	0.98	5.7	<15
	1/26/2006	20.05	12.51	5,100	<0.5	1.1	<0.5	6.6	<15
	4/10/2006	19.39	13.17	1,900	0.55	1.6	0.51	4.1	<10
	7/6/2006	20.25	12.31	5,600	<1.0	2.3	<1.0	6.4	<20
	10/26/2006	21.07	11.49	8,000	2.5	1.0	2.3	12	<35
	1/19/2007	21.38	11.18	77,000	19	40	9.5	130	<300
	4/17/2007	21.45	11.11	7,400	2.7	6.6	1.1	12	<40
	7/6/2007	21.29	11.27	7,100	2.4	5.6	0.85	10	<30
	10/15/2007	21.62	10.94	10,000	<5.0	<5.0	<5.0	14	<50
	1/17/2008	21.68	10.88	6,400	1.8	<0.5	1.0	8.4	23
	4/9/2008	21.42	11.14	4,700	1.7	2.2	<0.5	3.8	<18
	7/17/2008	22.10	10.46	7,700	2.9	3.1	1.4	11	<60
	10/27/2008	22.13	10.43	9,700	<1.7	1.8	2.3	11	<17
	1/9/2009	22.27	10.29	9,800	1.7	2.0	3.0	14	<17
	4/27/2009	21.74	10.82	8,700	1.9	3.3	<1.7	11	<50
	7/9/2009	21.92	10.64	10,000	<2.5	4.1	2.6	11	<60
	2/3/2010	21.55	11.01	5,300	1.5	2.3	<0.5	2.7	<25
	7/13/2010	21.31	11.25	4,400	<2.5	9.0	<2.5	4.6	<25
	1/17/2011	20.75	11.81	4,100	1.2	1.8	<0.5	2.7	<20
	7/12/2011	20.14	12.42	4,500	2.4	2.8	<0.5	5.0	<25
	1/11/2012	20.80	11.76	3,000	1.1	1.6	<0.5	1.9	<15
	7/25/2012	20.44	12.12	5,400	<1.7	<1.7	<1.7	4.1	<17
	1/25/2013	20.84	11.72	4,900	<1.7	2.7	<1.7	3.5	<17
	7/29/2013	21.48	11.08	9,700	<2.5	<2.5	<2.5	<2.5	<25
	1/28/2014	22.08	10.48	12,000	2.8	2.8	<2.5	4.6	<25
	7/24/2014	22.15	10.41	6,700	2.2	<1.7	1.9	5.2	<35
	1/22/2015	21.76	10.80	8,900	<5.0	<5.0	<5.0	<5.0	<50

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Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← (µg/L) →					
MW-3	7/20/2015	22.14	10.42	3,600	<1.7	<1.7	<1.7	3.5	<17
(cont'd)	8/3/2016	21.51	11.05	7,400	3.0	3.5	<2.5	<7.5	27
	1/20/2017	**21.15**	**11.41**	**4,200**	**<2.5**	**5.0**	**<2.5**	**<7.5**	**<25**
MW-4	5/10/1996	16.98	8.31	14,000	ND	1,200	720	3,100	-
25.29	10/2/1996	17.65	7.64	12,000	ND	650	580	2,200	-
	2/28/1997	16.80	8.49	13,000	ND	1,100	750	2,700	110
	9/17/1997	17.93	7.36	13,000	<2.5	820	750	2,900	<190
	2/5/1998	16.78	8.51	13,000	<1.0	690	690	2,900	<170
	8/11/1998	16.59	8.70	15,000	<5	360	520	1,900	280
	2/8/1999	17.10	8.19	9,800	<5	680	770	2,200	300
	2/24/1999	18.95	6.34	-	-	-	-	-	-
	3/3/1999	16.80	8.49	-	-	-	-	-	-
	3/10/1999	16.86	8.43	-	-	-	-	-	-
	3/17/1999	16.82	8.47	-	-	-	-	-	-
	5/4/1999	16.86	8.43	11,000	46	600	620	1,900	<100
	7/20/1999	17.30	7.99	13,000	<0.5	470	7.0	2,000	<150
	10/5/1999	17.43	7.86	18,000	4.4	720	800	2,100	<120
	1/7/2000	17.78	7.51	18,000	<2	930	990	2,700	<30
	4/6/2000	17.17	8.12	8,000	31	390	530	1,300	<10
	7/31/2000	17.21	8.08	6,200	13	170	460	850	<10
	10/3/2000	18.00	7.29	14,000	42	820	730	2,000	<50
	1/12/2001	18.20	7.09	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/11/2001	18.31	6.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2001	18.35	6.94	470	2.3	1.6	0.81	43	<5.0
	10/25/2001	18.47	6.82	110	0.70	<0.5	<0.5	3.3	<5.0
	3/4/2002	18.43	6.86	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/18/2002	18.61	6.68	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/9/2002	19.50	5.79	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/4/2002	19.83	5.46	310	2.0	2.9	13	16	<0.5
	1/12/2003	19.07	6.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/21/2003	18.71	6.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0
28.29	7/21/2003	18.81	9.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/2/2003	19.02	9.27	59	0.78	<0.5	1.1	0.91	<5.0
	1/15/2004	18.68	9.61	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2004	17.41	10.88	6,200	29	250	450	730	<100
	8/9/2004	19.07	9.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/7/2004	19.65	8.64	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/7/2005	17.21	11.08	8,700	48	340	550	720	<100
	4/5/2005	16.78	11.51	6,900	27	290	520	660	<170 (<0.5)
	7/6/2005	16.98	11.31	5,600	<5.0	130	470	480	<50
	10/10/2005	17.59	10.70	6,300	23	78	530	430	<50
	1/26/2006	17.08	11.21	5,600	41	68	400	290	<120
	4/10/2006	16.27	12.02	2,900	39	32	200	140	<60
	7/6/2006	17.20	11.09	5,400	65	59	340	150	<120
	10/26/2006	18.06	10.23	7,200	72	46	460	200	<150
	1/19/2007	18.29	10.00	7,100	140	35	520	150	<200
	4/17/2007	18.30	9.99	4,900	90	32	290	89	<110
	7/6/2007	18.00	10.29	4,600	91	30	210	55	<90
	10/15/2007	18.52	9.77	8,600	200	62	480	110	<210
	1/17/2008	18.46	9.83	820	15	3.7	25	9.3	<10
	4/9/2008	18.23	10.06	3,600	55	20	160	64	<60
	7/17/2008	18.72	9.57	6,500	210	47	510	180	<180
	10/27/2008	19.07	9.22	7,700	200	28	450	87	<150

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				←			(µg/L)		→
MW-4	1/9/2009	19.12	9.17	4,400	180	34	180	93	<150
(cont'd)	4/27/2009	18.52	9.77	2,500	110	24	190	69	<150
	7/9/2009	18.78	9.51	5,600	150	34	270	83	<250
	2/3/2010	18.24	10.05	2,900	38	20	69	54	<50
	7/13/2010	17.59	10.70	1,100	20	7.6	43	26	<60
	1/17/2011	17.42	10.87	2,900	16	43	60	99	<15
	7/12/2011	17.01	11.28	<50	<0.5	0.56	0.52	0.93	<5.0
	1/11/2012	17.68	10.61	4,100	52	52	49	130	<90
	7/25/2012	17.26	11.03	100	1.2	<0.5	<0.5	<0.5	<5.0
	1/25/2013	17.58	10.71	3,500	33	20	23	65	<35
	7/29/2013	18.34	9.95	97	4.7	<0.5	<0.5	0.70	<10
	1/28/2014	18.99	9.30	<50	1.2	<0.5	<0.5	<0.5	<5.0
	7/24/2014	19.05	9.24	4,200	83	19	40	32	<50
	1/22/2015	18.57	9.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/20/2015	--	--			--well paved over--			
	8/3/2016	--	--			--well paved over--			
	1/20/2017	**--**	**--**			**--well paved over--**			
MW-5	5/10/1996	14.60	7.37	ND	ND	ND	ND	ND	-
21.97	10/2/1996	15.25	6.72	ND	ND	ND	ND	ND	-
	2/28/1997	14.31	7.66	ND	ND	ND	ND	ND	ND
	9/17/1997	15.18	6.79	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	2/5/1998	13.64	8.33	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/11/1998	13.92	8.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/8/1999	14.19	7.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/24/1999	16.18	5.79	-	-	-	-	-	-
	3/3/1999	14.23	7.74	-	-	-	-	-	-
	3/10/1999	14.32	7.65	-	-	-	-	-	-
	3/17/1999	14.25	7.72	-	-	-	-	-	-
	5/4/1999	14.41	7.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/20/1999	14.44	7.53	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/5/1999	14.79	7.18	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/7/2000*	15.23	6.74	-	-	-	-	-	-
	4/6/2000	14.74	7.23	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/31/2000	14.52	7.45	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/3/2000	15.37	6.60	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/12/2001	15.70	6.27	6,400	13	290	450	1,100	<40
	4/11/2001	15.78	6.19	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2001	15.97	6.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/25/2001	16.05	5.92	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/4/2002	16.21	5.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/18/2002	16.59	5.38	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/9/2002	16.94	5.03	170	1.0	0.65	2.1	4.0	<15
	10/4/2002	17.14	4.83	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/12/2003	16.58	5.39	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/21/2003	15.90	6.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/21/2003	16.03	8.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0
24.99	10/2/2003	16.33	8.66	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/15/2004	16.21	8.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2004	15.01	9.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/9/2004	16.85	8.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/7/2004	17.48	7.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/7/2005	16.52	8.47	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2005	14.45	10.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0 (<0.5)

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Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← (µg/L) →					
MW-5	7/6/2005	14.85	10.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0
(cont'd)	10/10/2005	15.44	9.55	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/26/2006	14.96	10.03	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/10/2006	14.01	10.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2006	15.17	9.82	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/26/2006	15.94	9.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/19/2007	16.05	8.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/17/2007	15.99	9.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2007	15.50	9.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/15/2007	16.27	8.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/17/2008	15.10	9.89	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/9/2008	15.96	9.03	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/17/2008	16.44	8.55	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/2008	16.78	8.21	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/9/2009	16.75	8.24	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/27/2009	16.21	8.78	–	–	–	–	–	–
	7/9/2009	16.48	8.51	–	–	–	–	–	–
	2/3/2010	15.77	9.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/13/2010	15.34	9.65	—	—	—	—	—	—
	1/17/2011	14.93	10.06	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/12/2011	14.81	10.18	–	–	–	–	–	–
	1/11/2012	15.44	9.55	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/25/2012	14.79	10.20	–	–	–	–	–	–
	1/25/2013	15.21	9.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/29/2013	16.03	8.96	–	–	–	–	–	–
	1/28/2014	16.65	8.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/24/2014	16.75	8.24	–	–	–	–	–	–
	1/22/2015	16.25	8.74	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/20/2015	16.82	8.17	–	–	–	–	–	–
	8/3/2016	16.23	8.76	<50	<0.5	<0.5	<0.5	<1.5	<5.0
	1/20/2017	**14.98**	**10.01**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<5.0**
MW-6	6/30/2003	19.60	11.39	68,000	950	6,000	2,400	10,000	<1,000
30.99	7/21/2003	19.67	11.32	120,000	170	1,400	1,100	10,000	<1,000
	10/2/2003	19.97	11.02	16,000	7.6	200	38	1,800	<100
	1/15/2004	19.55	11.44	14,000	48	51	94	1,100	<50
	4/5/2004	19.17	11.82	24,000	180	900	430	1,800	<500
	8/9/2004	20.98	10.01	5,300	6.4	25	5.3	69	<17 (<0.5)
	10/7/2004	21.52	9.47	5,600	11	58	18	210	<50 (<0.5)
	2/7/2005	19.00	11.99	31,000	120	620	310	1,200	<500
	4/5/2005	18.60	12.39	21,000	170	1,100	350	1,300	<500 (<5.0)
	7/6/2005	18.56	12.43	26,000	130	920	320	1,200	<500
	10/10/2005	19.99	11.00	19,000	140	840	250	980	<500
	1/26/2006	18.70	12.29	10,000	140	1,100	270	1,200	<170
	4/10/2006	18.04	12.95	13,000	140	1,000	280	1,000	<250
	7/6/2006	18.80	12.19	17,000	150	1,000	290	1,000	<250
	10/26/2006	19.62	11.37	23,000	230	660	470	1,500	<500
	1/19/2007	19.92	11.07	18,000	190	620	350	1,100	<150
	4/17/2007	19.97	11.02	23,000	380	1,400	590	2,000	<450
	7/6/2007	19.81	11.18	28,000	600	3,000	900	2,700	<500
	10/15/2007	20.15	10.84	25,000	290	680	410	1,100	<250
	10/15/2007	20.15	10.84	25,000	290	680	410	1,100	<250
	1/17/2007	20.22	10.77	16,000	200	130	130	460	<150
	4/9/2008	19.86	11.13	18,000	320	870	480	1,500	<250

Table 3 - Groundwater Elevation and Analytical Data.
Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← (µg/L) →					
MW-6	7/17/2008	20.36	10.63	18,000	320	510	420	1,200	<500
(cont'd)	10/27/2008	20.69	10.30	31,000	320	320	410	990	<350
	1/9/2009	20.83	10.16	22,000	340	390	560	1,400	<250
	4/27/2009	20.27	10.72	13,000	110	97	380	1,100	<350
	7/9/2009	20.43	10.56	18,000	250	520	470	1,300	<450
	2/3/2010	20.14	10.85	6,200	82	180	190	550	<150
	7/13/2010	19.29	11.70	12,000	260	420	480	1,600	<450
	1/17/2011	19.31	11.68	4,900	70	52	210	500	<50
	7/12/2011	18.73	12.26	1,400	20	8.5	64	130	<30
	1/11/2012	19.39	11.60	6,000	100	38	310	700	<210
	7/25/2012	19.02	11.97	2,800	31	13	140	240	<75
	1/25/2013	19.35	11.64	5,400	86	34	310	620	<100
	7/29/2013	19.97	11.02	82	1.2	<0.5	<0.5	<0.5	<5.0
	1/28/2014	20.60	10.39	2,600	36	11	52	53	<50
	7/24/2014	20.70	10.29	9,600	160	53	410	590	<70
	1/22/2015	20.31	10.68	7,600	25	13	53	86	<50
	7/20/2015	20.68	10.31	12,000	160	73	540	650	<450
	8/3/2016	20.02	10.97	12,000	710	67	3,800	3,100	450
	1/20/2017	**19.56**	**11.43**	**13,000**	**120**	**71**	**760**	**760**	**260**
MW-7	6/30/2003	21.40	11.71	170	<0.5	2.1	2.0	8.7	<5.0
33.11	7/21/2003	21.44	11.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/2/2003	21.73	11.38	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/15/2004	21.57	11.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2004	20.84	12.27	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/9/2004	22.68	10.43	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/7/2004	23.27	9.84	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/7/2005	20.60	12.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/5/2005	20.22	12.89	<50	<0.5	0.75	<0.5	<0.5	<5.0 (<0.5)
	7/6/2005	20.25	12.86	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/10/2005	20.70	12.41	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/26/2006	20.32	12.79	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/10/2006	19.62	13.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2006	20.47	12.64	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/26/2006	21.30	11.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/19/2007	21.62	11.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/17/2007		11.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2007	21.59	11.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/15/2007	21.85	11.26	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/17/2007	21.90	11.21	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/9/2008	21.61	11.50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/17/2008	22.09	11.02	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/2008	22.39	10.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/9/2009	22.52	10.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/27/2009	21.98	11.13	–	–	–	–	–	–
	7/9/2009	22.18	10.93	–	–	–	–	–	–
	2/3/2010	21.87	11.24	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/13/2010	21.01	12.10	—	—	—	—	—	—
	1/17/2011	21.07	12.04	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/12/2011	20.72	12.39	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/11/2012	21.13	11.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table 3 - Groundwater Elevation and Analytical Data.
Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				←			(µg/L)		→
MW-7	7/25/2012	20.75	12.36	--	--	--	--	--	--
(cont'd)	1/25/2013	21.10	12.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/29/2013	21.70	11.41	--	--	--	--	--	--
	1/28/2014	22.34	10.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/24/2014	22.41	10.70	--	--	--	--	--	--
	1/22/2015	21.99	11.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/20/2015	--	--			--well paved over--			
	8/3/2016	--	--			--well paved over--			
	1/20/2017	--	--			**--well paved over--**			
AS-1	7/6/2006	19.53	--	18,000	2,700	570	700	1,900	<500
	10/26/2006	20.33	--	15,000	1,900	340	360	1,400	<250
	1/19/2007	20.64	--	5,700	1,100	110	88	630	<50
	1/19/2007	20.64	--	5,700	1,100	110	88	630	<50
	4/17/2007	20.71	--	--	--	--	--	--	--
	7/16/2007	--	--	--	--	--	--	--	--
	10/15/2007	--	--	--	--	--	--	--	--
	1/17/2008	--	--	--	--	--	--	--	--
	4/9/2008	--	--	--	--	--	--	--	--
	1/25/2013	--	--	70	10	<0.5	<0.5	<0.5	<5.0
AS-2	7/6/2006	22.26	--	2,100	6.1	<0.5	33	200	<20
	10/26/2006	23.25	--	280	1.1	<0.5	<0.5	6.0	<15
	1/19/2007	23.61	--	2,100	2.3	<0.5	96	310	<35
	4/17/2007	23.70	--	--	--	--	--	--	--
	7/16/2007	--	--	--	--	--	--	--	--
	10/15/2007	--	--	--	--	--	--	--	--
	1/17/2008	--	--	--	--	--	--	--	--
	4/9/2008	--	--	--	--	--	--	--	--
	1/25/2013	22.02	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
AS-3	7/6/2006	21.77	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/26/2006	22.66	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/19/2007	22.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/17/2007	23.06	--	--	--	--	--	--	--
	7/16/2007	--	--	--	--	--	--	--	--
	10/15/2007	--	--	--	--	--	--	--	--
	1/17/2008	--	--	--	--	--	--	--	--
	4/9/2008	--	--	--	--	--	--	--	--
	1/25/2013	22.60	--	<50	<0.5	<0.5	0.55	<0.5	<5.0
Trip Blank	01/12/01	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/11/2001	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	7/6/2001	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/4/2002	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/2/2003	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/15/2007	--	--	--	--	--	--	--	--

PANGEA

Table 3 - Groundwater Elevation and Analytical Data.

Douglas Parking Company, 1721 Webster Street, Oakland, California

Boring / Well ID *TOC*	Date	Depth to Water (ft)	Groundwater Elevation (ft amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← (µg/L) →					
Grab Groundwater									
SB-A	2/22/1996	--	--	16,000	38	16	180	620	--
SB-B	2/22/1996	--	--	20,000	100	29	320	590	--
SB-C	2/22/1996	--	--	1,200	130	100	68	230	--
SB-D	2/22/1996	--	--	7,400	550	110	160	89	--
SB-E	2/23/1996	--	--	16,000	31	160	390	1,400	--
SB-F	2/23/1996	--	--	<50	<0.5	1.4	<0.5	2.3	--
SB-G	2/23/1996	--	--	5,200	1.3	<0.5	0.7	<0.5	--
EB-1GWS	7/8/1994	--	--	62,000	<0.5	26	850.0	8,900	--
EB-2GWS	7/8/1994	--	--	160,000	5,300	20,000	2,100	17,000	--
EB-3GWS	7/8/1994	--	--	87,000	1,400	21,000	1,700	19,000	--
EB-4GWS	7/8/1994	--	--	350,000	290	1,300	3,200	31,000	--
EB-5GWS	7/8/1994	--	--	120,000	2,100.0	13,000	1,300.0	16,000	--
EB-6GWS	7/8/1994	--	--	230,000	10,000	34,000	2,300	16,000	--

Notes and Abbreviations:

TOC = Top of casing elevations in feet above mean sea level.

ft amsl = Measured in feet above mean sea level

µg/L = Micrograms per liter.

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

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8021B.

MTBE = Methyl tertiary butyl ether by EPA Method 8021B, and by EPA Method 8260 in parenthesis.

<0.5 = Concentration not detected above specific laboratory reporting limit.

-- = Not analyzed, not sampled, or not applicable.

ND = Not detected.

Data prior to 7/11/95 from Gen Tech and Piers Environmental Quarterly Groundwater Monitoring Reports dated December 2, 1994 and March 6, 1995, respectively.

On July 31, 2003, Virgil Chavez Land Surveying of Vallejo, California surveyed monitoring wells using a benchmark in the top of the curb near the SW return of the NW corner of 34th and Broadway.

TABLE 1. SOIL CHEMICAL DATA

Sample No.	TPHG mg/kg	B	T	E	X
		----------	all	ug/kg	----------
EB-1@20'	ND	ND	ND	ND	ND
EB-2@20'	300	200	1,700	260	3,000
EB-3@20'	51	30	560	320	2,900
EB-4@20'	ND	ND	ND	ND	ND
EB-5@20'	650	170	5,200	4,400	48,000
EB-6@20'	68	ND	22,000	4,300	23,000

TABLE 2. GROUNDWATER CHEMICAL DATA

Sample No.	TPHG	B	T	E	X
	----------		ug/l	----------	
EB-1GWS sheen	62,000	ND	26	850	8,900
EB-2GWS	160,000	5,300	20,000	2,100	17,000
EB-3GWS sheen	87,000	1,400	21,000	1,700	19,000
EB-4GWS	350,000	290	1,300	3,200	31,000
EB-5GWS	120,000	2,100	13,000	1,300	16,000
EB-6GWS	230,000	10,000	34,000	2,300	16,000
MW-1	ND	ND	ND	ND	ND
MW-2	61,300	3,000	3,900	160	4,500
MW-3 sheen	394,000	1,200	ND	1,800	4,000

ND - Not Detected
mg/kg - milligram per kilogram
ug/l - microgram per liter
ug/kg - microgram per kilogram

Discussion

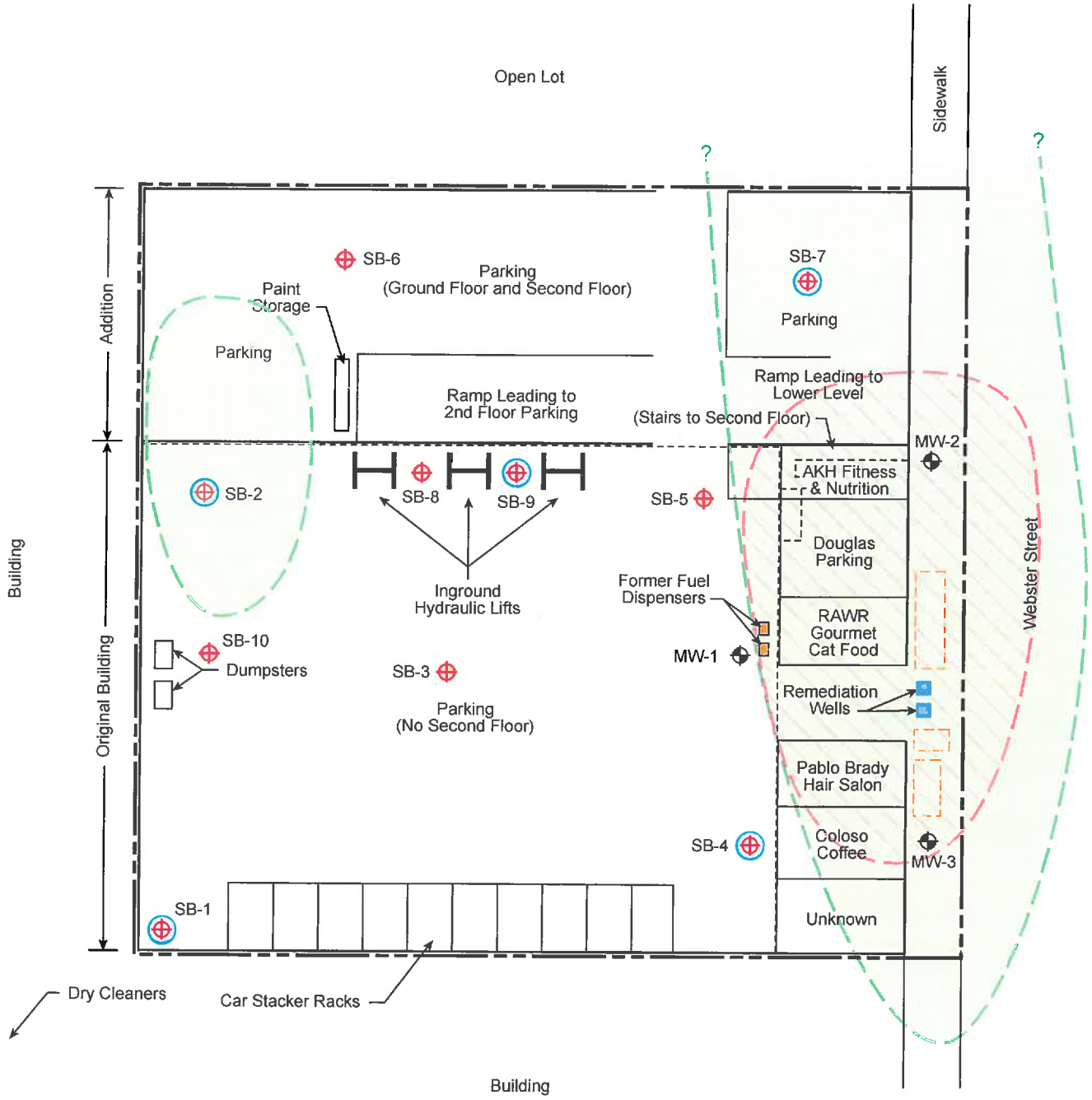
Soil samples collected from the borehole indicate that the contaminants are present in the capillary fringe in the vicinity of the former tank locations. Excavation in the tank areas has apparently removed the contaminated soil to the limit accessible. Overall site groundwater movement is easterly under a gentle gradient. The chemical data indicate that TPHG and BTEX contaminants occur on-site. Contaminant occurrence infer capillary migration in soil as well as groundwater. Currently, migration in water appears to be slow, toward the east.

Table 1
Sample Location Rationale
1721 Webster Street
Oakland, CA

Boring ID	Rationale	Media		Analytical Parameters							
				Soil					Groundwater		
		Soil	Groundwater	TPH-g/TPH-d/TPH-mo	VOCs	Metals	PCBs	Pesticides	TPH-g/TPH-d/TPH-mo	VOCs	Metals
SB-1	Assess potential impacts from dry cleaner operations southwest of subject property	3	1	3	3	3	1	1	1	1	2
SB-2 & SB-3	Assess potential impacts from historical site use (Automobile Servicing)	6	1	6	6	6	2	2	1	1	2
SB-4, SB-5, & SB-7	Assess extent of contamination associated with former USTs	9	2	9	9	9	3	3	2	2	4
SB-6	Assess baseline soil conditions on subject property	3	0	3	3	3	1	1	0	0	0
SB-8 & SB-9	Assess soil and groundwater conditions adjacent to inground hydraulic lifts	6	1	6	6	6	2	2	1	1	2
SB-10	Assess shallow soil quality in dumpster area	1	0	1	1	1	1	1	0	0	0
MW-1	Assess current groundwater quality to include chlorinated VOCs	0	1	0	0	0	0	0	1	1	2

Notes:

TPH-g = Total Petroleum Hydrocarbons as Gasoline (EPA Method 8260B) ; TPH-d = Total Petroleum Hydrocarbons as diesel (EPA Method 8015B)
TPH-mo = Total Petroleum Hydrocarbons as motor oil (EPA Method 8015B); TPH-ho = Total Petroleum Hydrocarbons as hydraulic oil (EPA Method 8015B)
VOCs = volatile organic compounds (EPA Method 8260B)
Metals = Title 22 Metals (EPA Method 6010B and 7470/7471)
PCBs = Polychlorinated Biphenyls (EPA Method 8082)
Pesticides= Organochhlorine pesticides (EPA Method 8081)



Legend

- Subject property boundary
- Existing monitoring well
- Soil boring location
- Soil boring location with grab groundwater sample
- Former underground storage tank
- Approximate area of TPH within the unsaturated zone
- Approximate area of TPH within the saturated zone

Project North

True North

0 30 60

Approximate Scale in Feet

Figure 3

Site Plan

AECOM

1721 Webster Street, Oakland, CA

Table 4
Groundwater Analytical Results - Organics
1721 Webster St
Oakland, CA

Sample Location	Sample Date	TPH (ug/L)				VOCs (ug/L)											
		Gasoline-Range	Diesel-Range	Hydraulic Oil-Range	Motor Oil-Range	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloroform	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Total Xylenes
SB-1	7/12/2016	50 U	52 U	–	100 U	1.0 U	1.0 U	1.0 U	2.8	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	1.0 U
SB-2	7/11/2016	50 U	140	200	210	1.0 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	1.0 U
SB-4	7/12/2016	50 U	51 U	50 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	2.4	0.50 U	0.50 U	1.0 U
SB-7	7/12/2016	830	200 [3]	–	100 U	3.2	2.3	2.7	1.0 U	7.8	26	3.3	31	0.81	0.61	1.9	12
SB-9	7/11/2016	50 U	52 U	100 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0	0.50 U	0.50 U	1.0 U
RWQCB Groundwater Vapor Intrusion Human Health Screening Level (ug/L) [1]		NV	NV	NV	NV	NV	NV	NV	2.8	16.0	NV	25	NV	3.7	4,300	6.9	1,600
RWQCB Direct Exposure Human Health RBSL		220	150	NV	NV [2]	NV	NV	NV	0.23	1.5	NV	0.12	NV	0.06	150	0.49	190

Notes:

1. San Francisco Bay Regional Water Quality Control Board, Environmental Screening Levels, Table GW-3; Groundwater Vapor Intrusion Human Health Risk Screening Levels, Shallow Groundwater, Sand Scenario, Residential Land Use, February 2016 Edition.
2. TPH motor oil is not soluble. TPH motor oil detections in water most likely are petroleum degradates or less likely NAPL. If the detections are degradates, add TPH motor oil and TPH diesel results and compare to TPH diesel criterion. See User's Guide Chapter 9 for further information.
3. Pattern profile does not resemble the diesel standard pattern.

Abbreviations and Symbols:

NV	= no value
TPH	= total petroleum hydrocarbon
U	= not detected at or above the laboratory reporting limit shown
ug/L	= microgram per liter
VOC	= volatile organic compound
–	= not analyzed
Green	= Detection above laboratory reporting limits in exceedance of the RWQCB Groundwater Vapor Intrusion Human Health Risk Screening Level or Maximum Contaminant Level

Table 5
Groundwater Analytical Results - Metals
1721 Webster St
Oakland, CA

Sample Location	Sample Date	Dissolved Metals (mg/L)								
		Arsenic (As)	Barium (Ba)	Chromium (Cr)	Cobalt (Co)	Lead (Pb)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Vanadium (V)
SB-1	7/12/2016	0.010 U	0.057	0.010	0.0020 U	0.0050 U	0.00020 U	0.013	0.010 U	0.010 U
SB-2	7/11/2016	0.010 U	0.052	0.014	0.0020 U	0.0050 U	0.00020 U	0.019	0.014	0.010
SB-4	7/12/2016	0.010 U	0.062	0.010 U	0.0057	0.0050 U	0.00021	0.010 U	0.038	0.010 U
SB-7	7/12/2016	0.014	0.054	0.010 U	0.0027	0.0062	0.00020 U	0.010 U	0.016	0.010 U
SB-9	7/11/2016	0.010 U	0.055	0.010 U	0.0032	0.0050 U	0.00020 U	0.013	0.028	0.010 U
RWQCB Groundwater Screening Level [1]		0.010	1.0	0.050	0.0030	0.0025	0.000051	0.10	0.0082	0.019
California Maximum Contaminant Level		0.010	1.0	0.050	NV	0.015	0.0020	NV	0.10	NV

Notes:

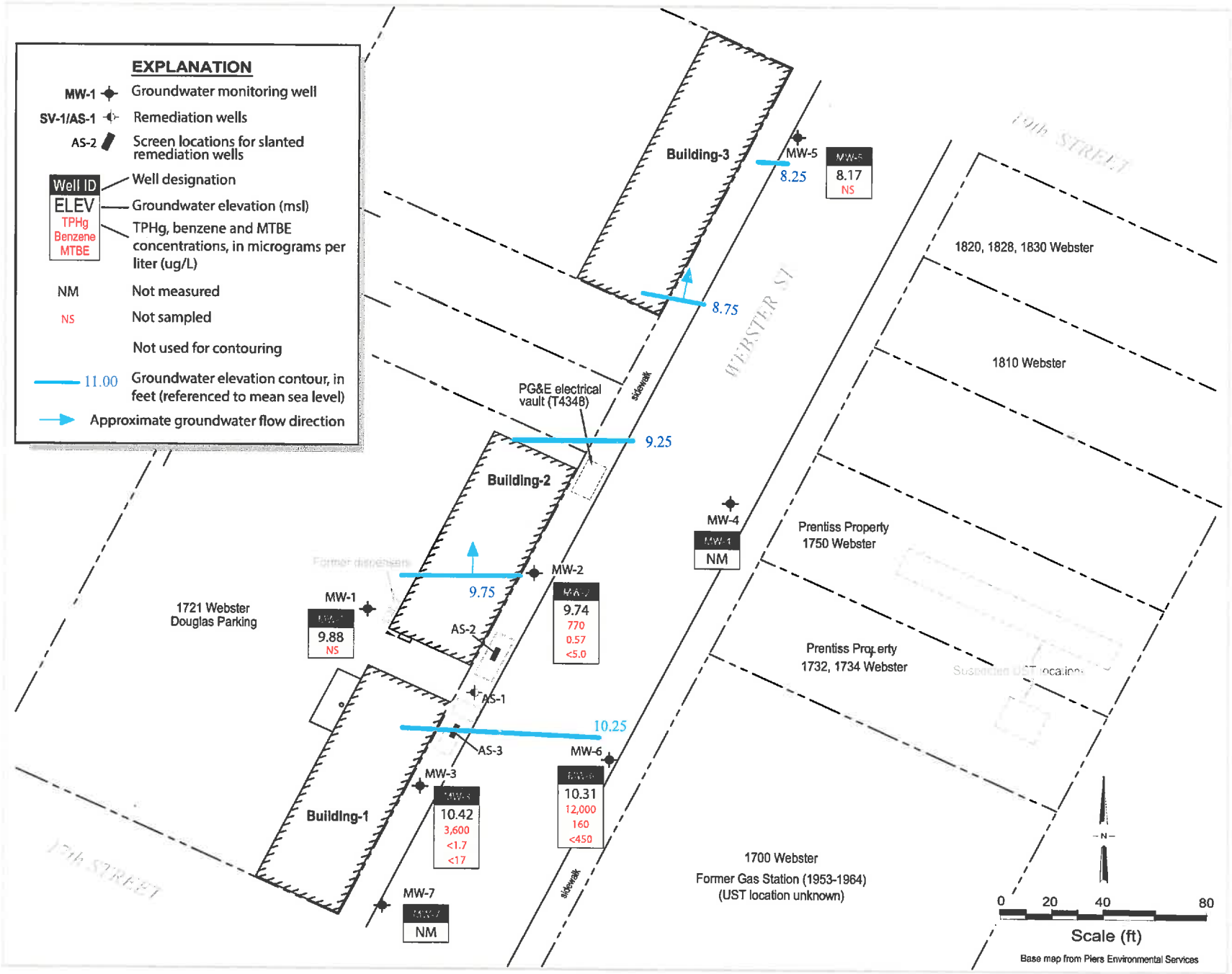
1. San Francisco Bay Regional Water Quality Control Board, Tier 1 Environmental Screening Levels for Groundwater, February 2016 Edition.

Abbreviations and Symbols:

mg/L = milligram per liter

U = not detected at or above the laboratory reporting limit shown

Green = Detection above laboratory reporting limits in exceedance of the RWQCB Groundwater Screening Level or Maximum Contaminant Level



Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Groundwater Elevations and Hydrocarbon Concentration Map
July 20, 2015

FIGURE
2

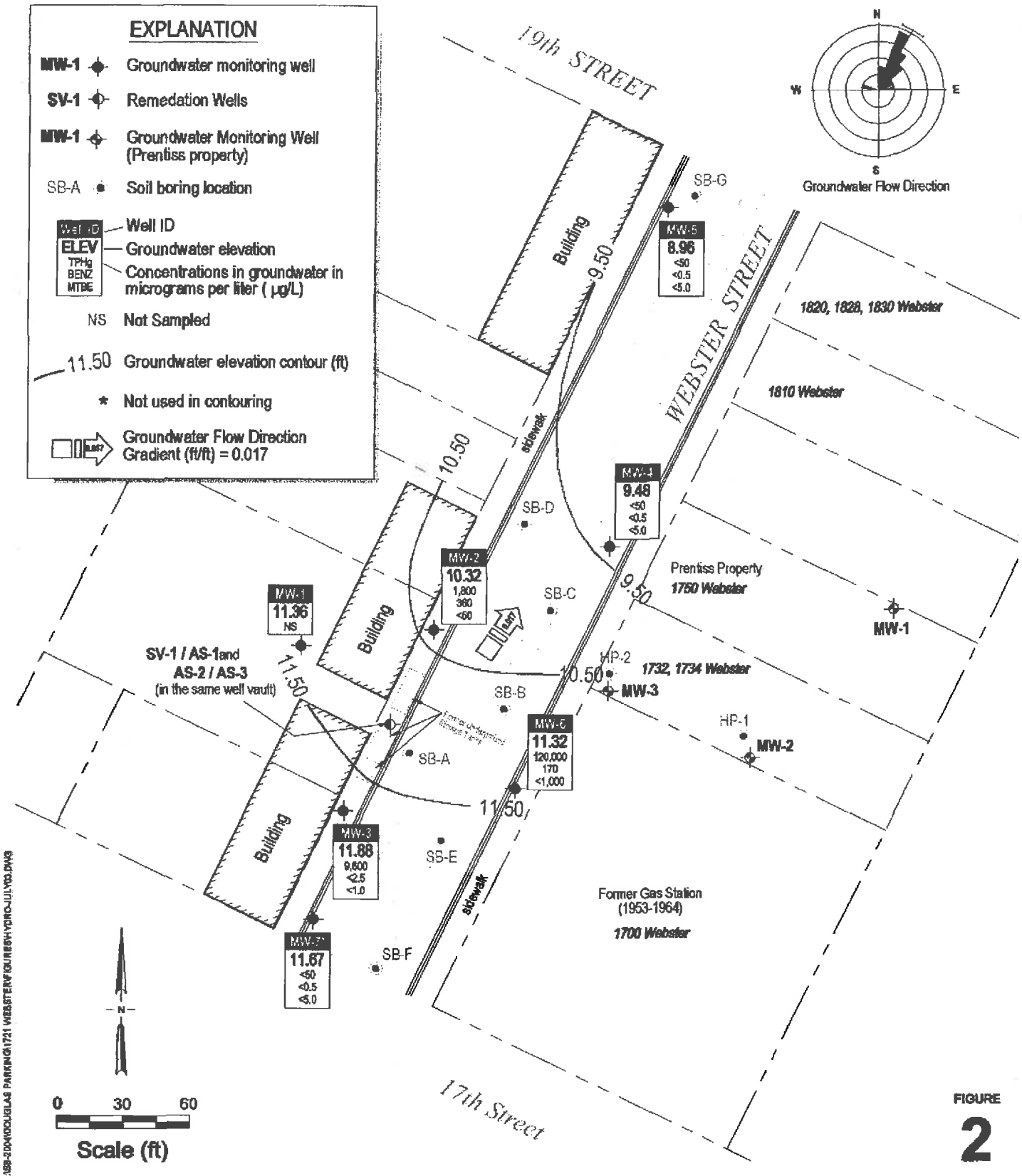


FIGURE
2

H:\SB-2\DWG\DOUGLAS PARKING\1721 WEBSTER\FIGURES\HYDRO-JUL\YDD.DWG

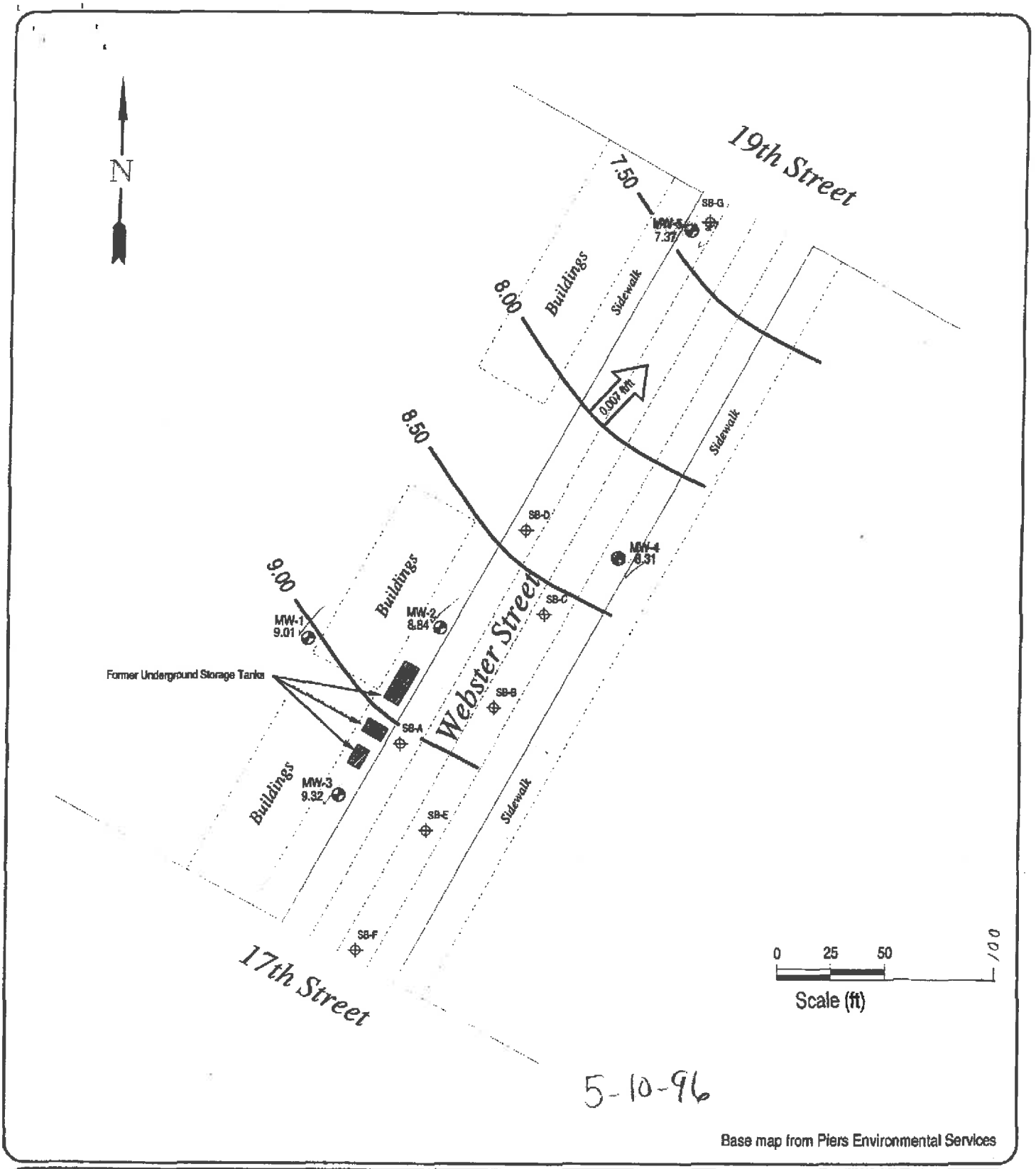
Douglas Parking Facility

1721 Webster Street
Oakland, California

CAMBRIA

Groundwater Elevation Contours and Hydrocarbon Concentration Map

July 21, 2003



5-10-96

Base map from Piers Environmental Services

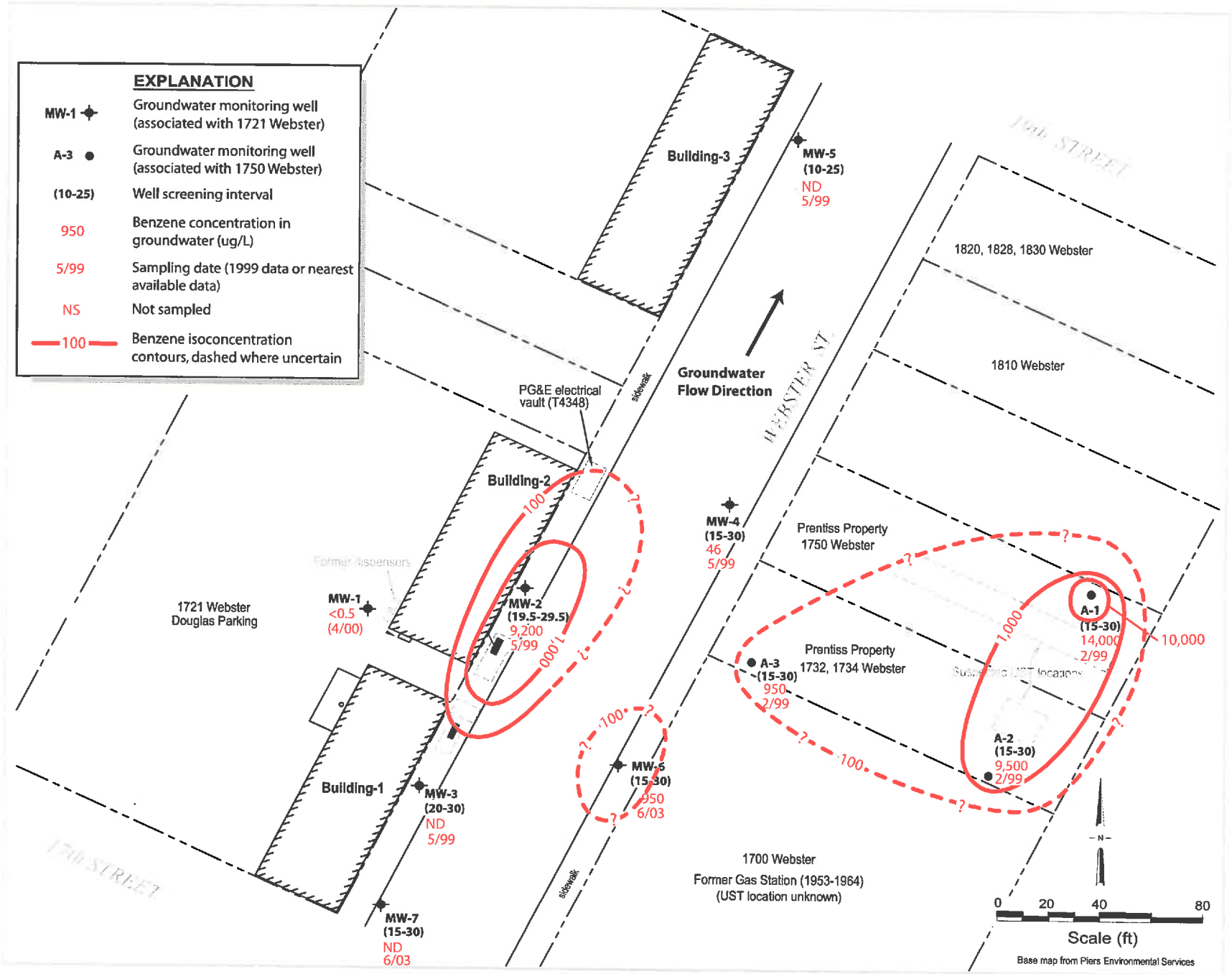
CAMBRIA
Environmental Technology, Inc.

EXPLANATION
- Ground Water Monitoring Well
- Boring Location
- X.XX Ground Water Elevation Countour Line (ft)
- Ground Water Flow Direction and Gradient (ft/ft)

Monitoring Well and Boring Locations and Ground Water Flow Direction
1721 Webster Street
Oakland, California

D:\PROJECTS\MSC\DOUGLAS\GW-ELEV.DWG

FIGURE
2

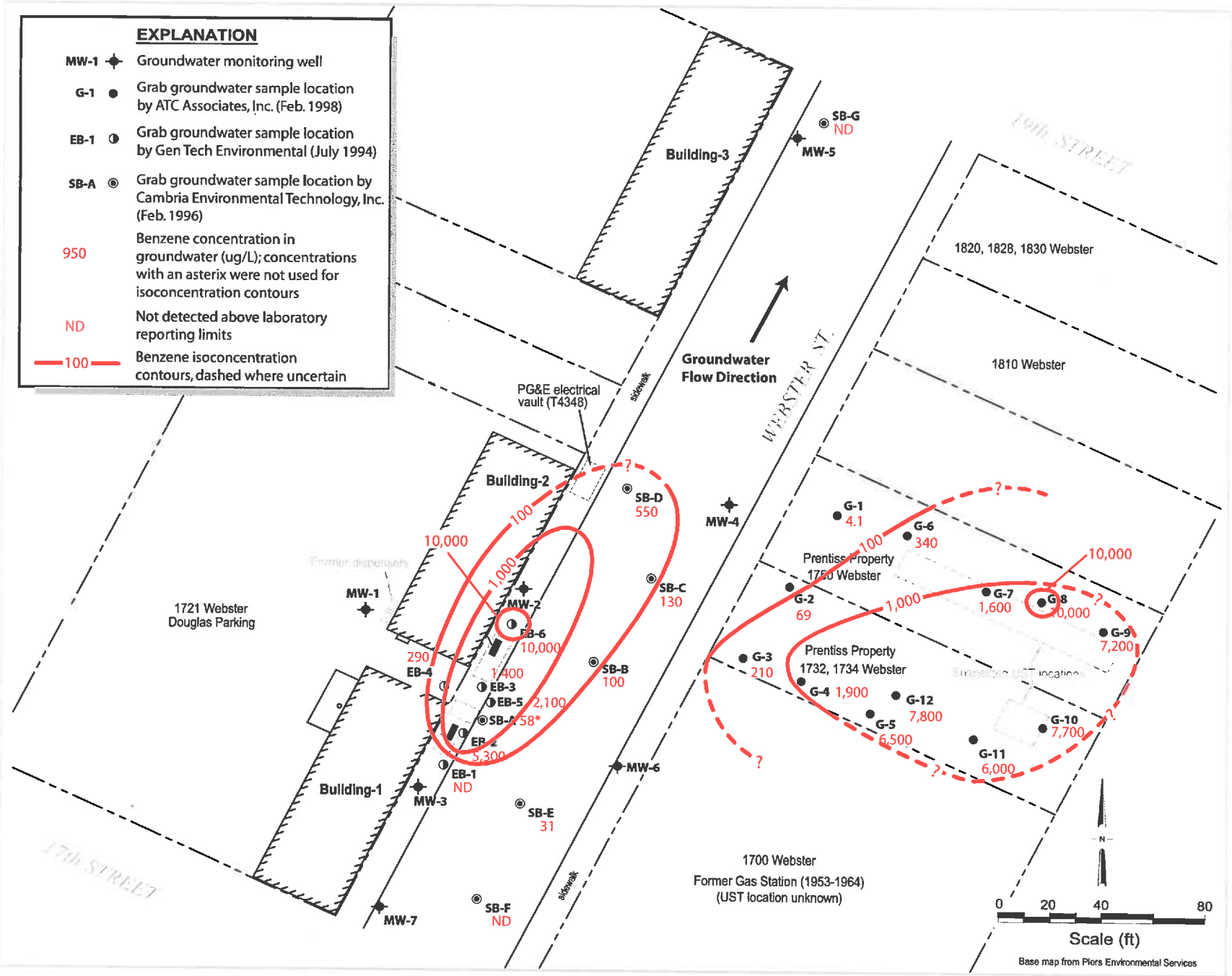


Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Benzene Isoconcentration Map - Well Data 1999

FIGURE
3

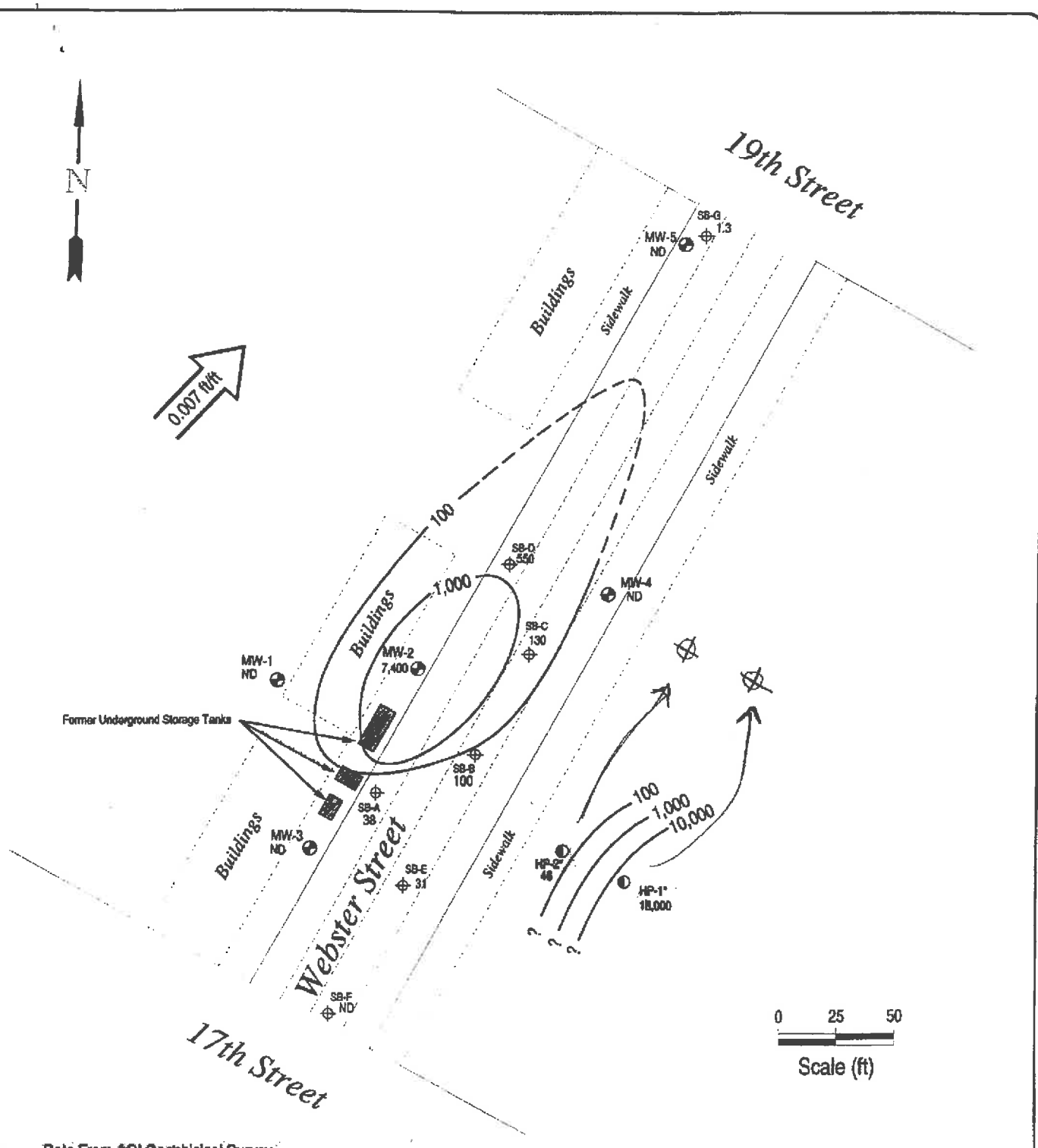


Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Benzene Isoconcentration Map - Grab Sampling Data July 1994 to February 1998

FIGURE
2



* Data From AGI Geophisical Survey
Prentiss Property, Dated: April 1, 1993

5-10-96

Base map from Piers Environmental Services

CAMBRIA
Environmental Technology, Inc.

EXPLANATION
- Ground Water Monitoring Well
- Boring Location
- X,XX — Benzene Concentration Contour (ppb)
- Ground Water Flow Direction and Gradient (ft/ft)

Benzene Concentrations in Ground Water

1721 Webster Street
Oakland, California

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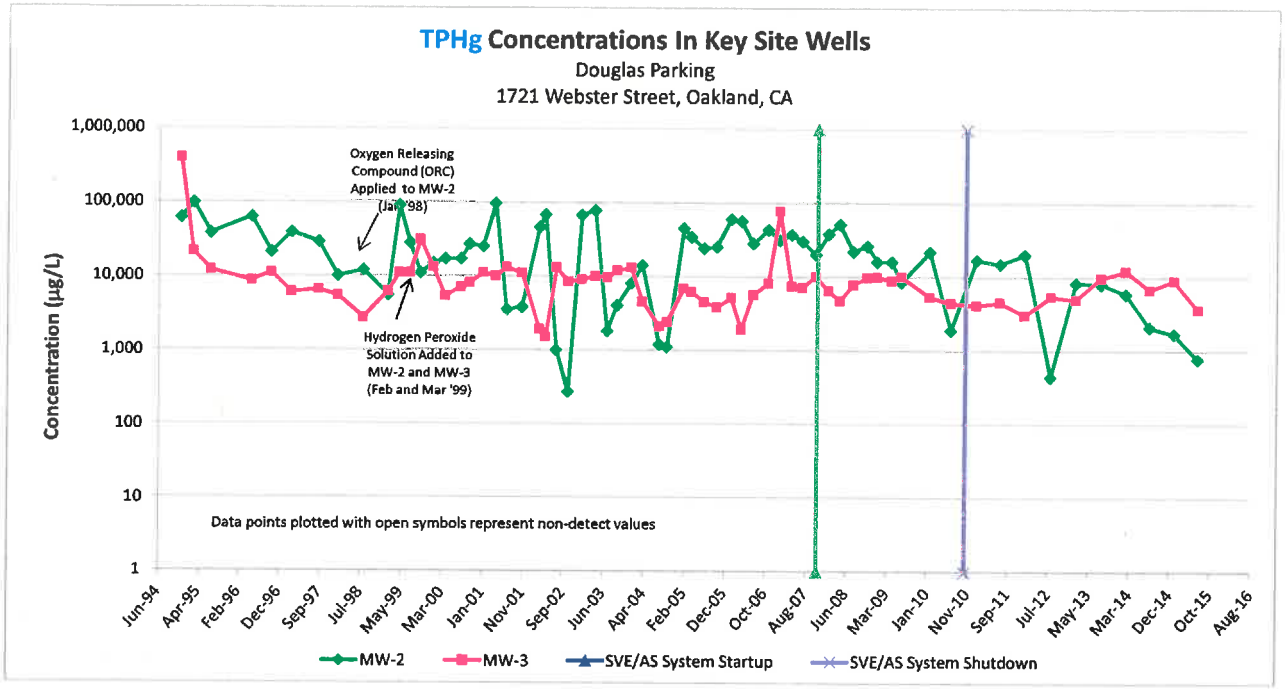
FIGURE
3



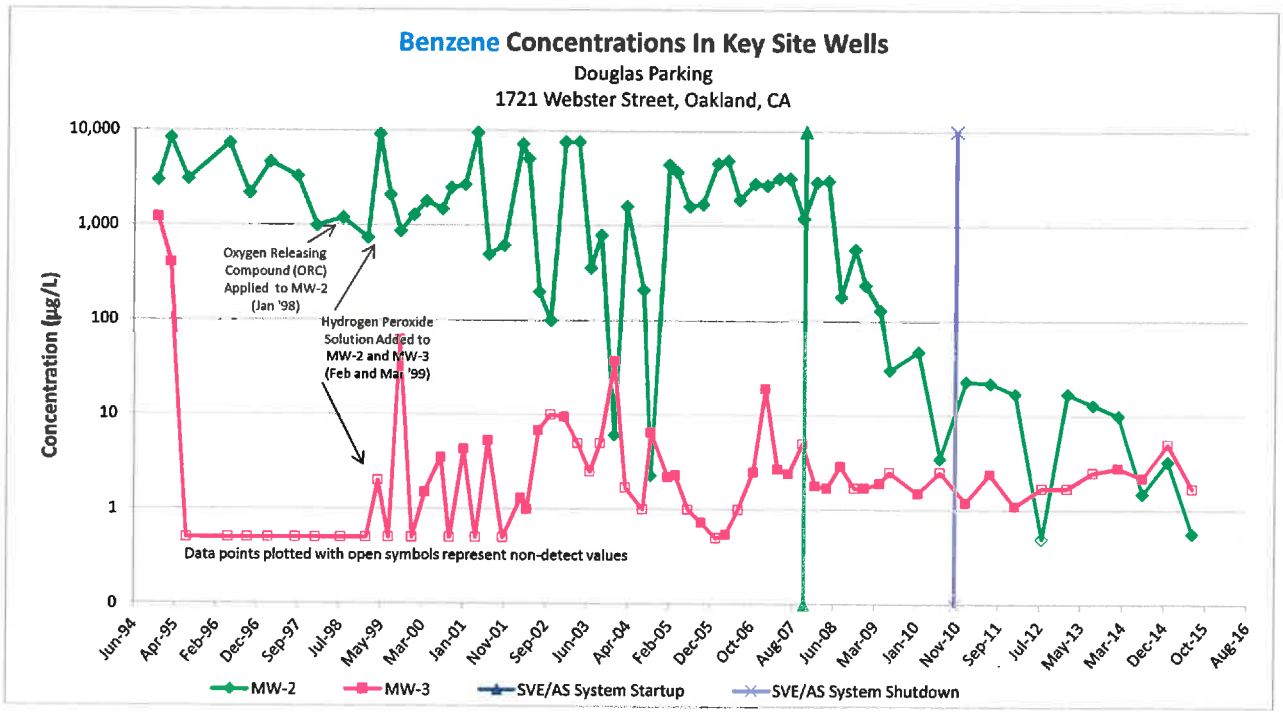
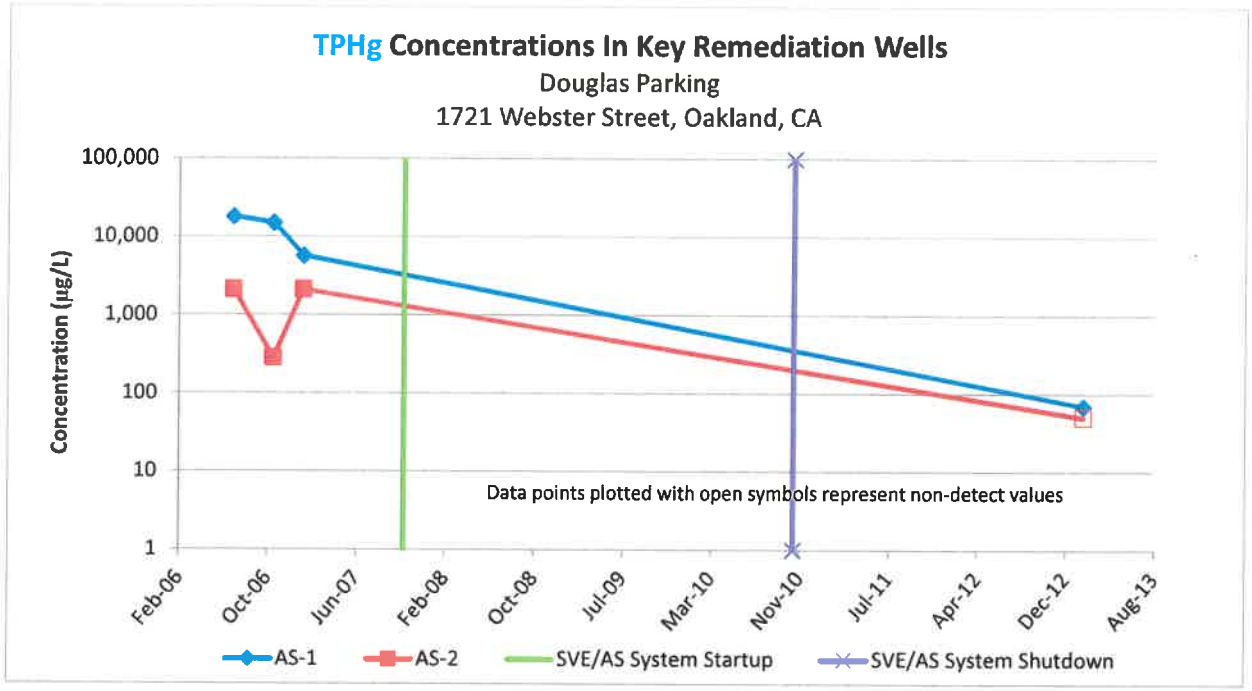


Figure 3 - TPHg and Benzene Trends in Key Onsite Wells



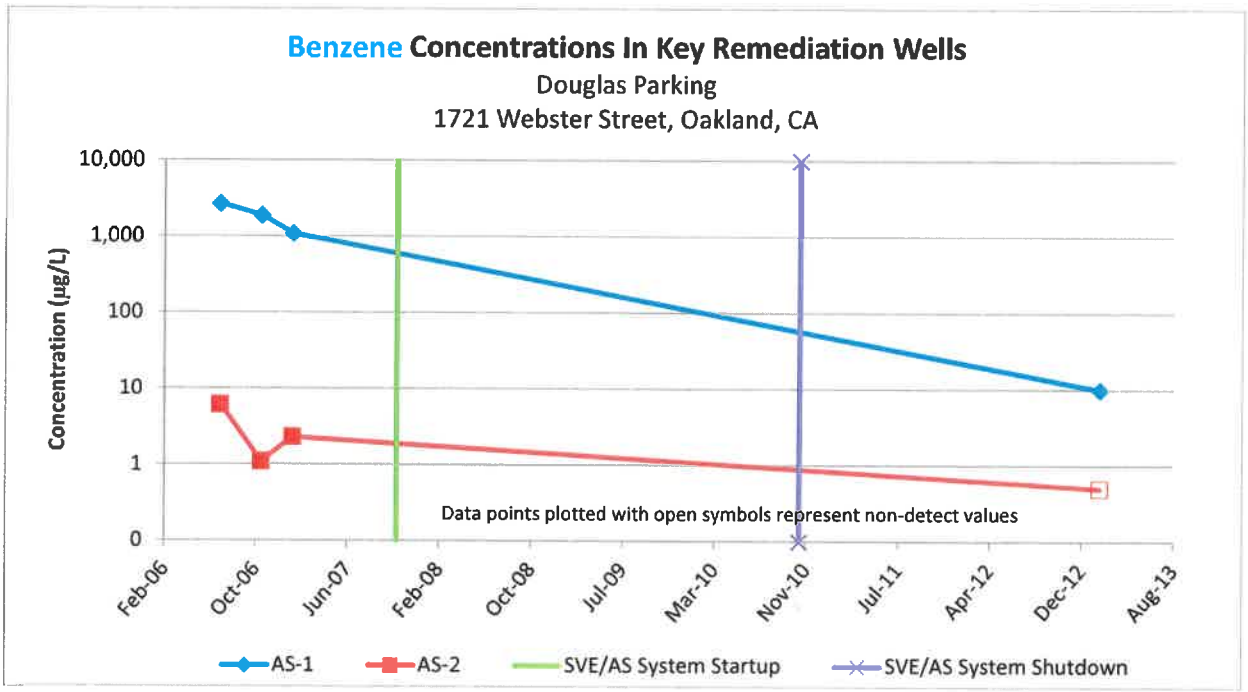
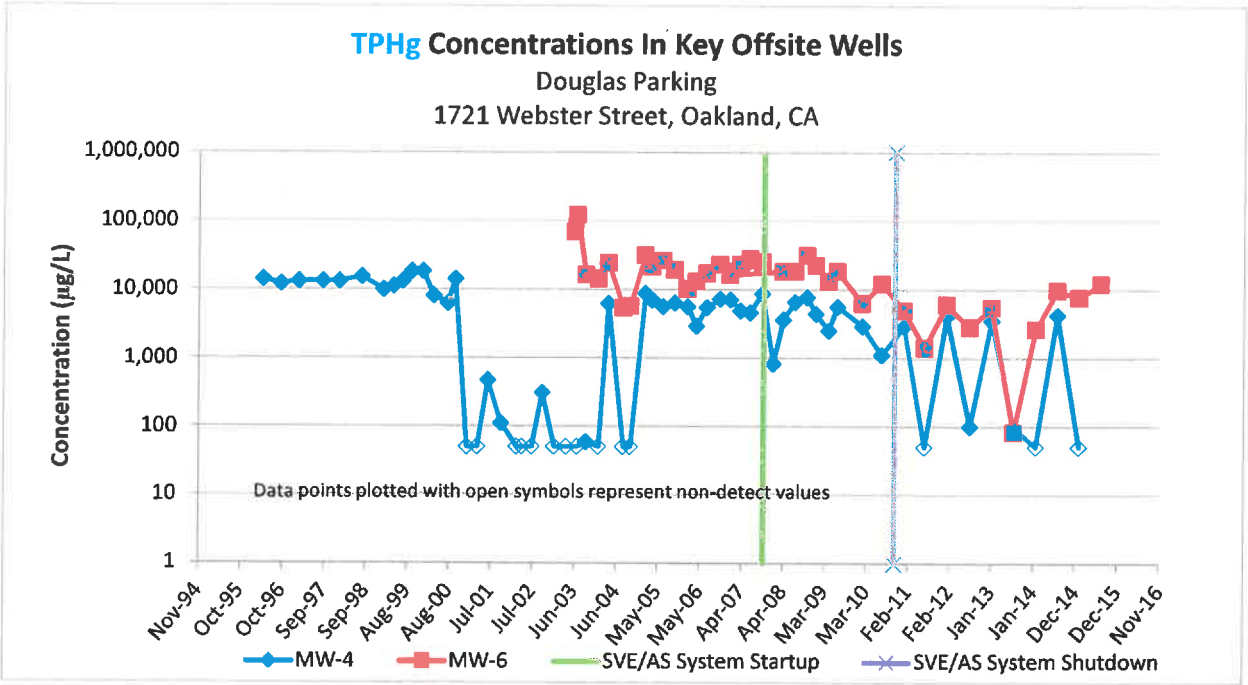


Figure 5 - TPHg and Benzene Trends in Key Remediation Wells



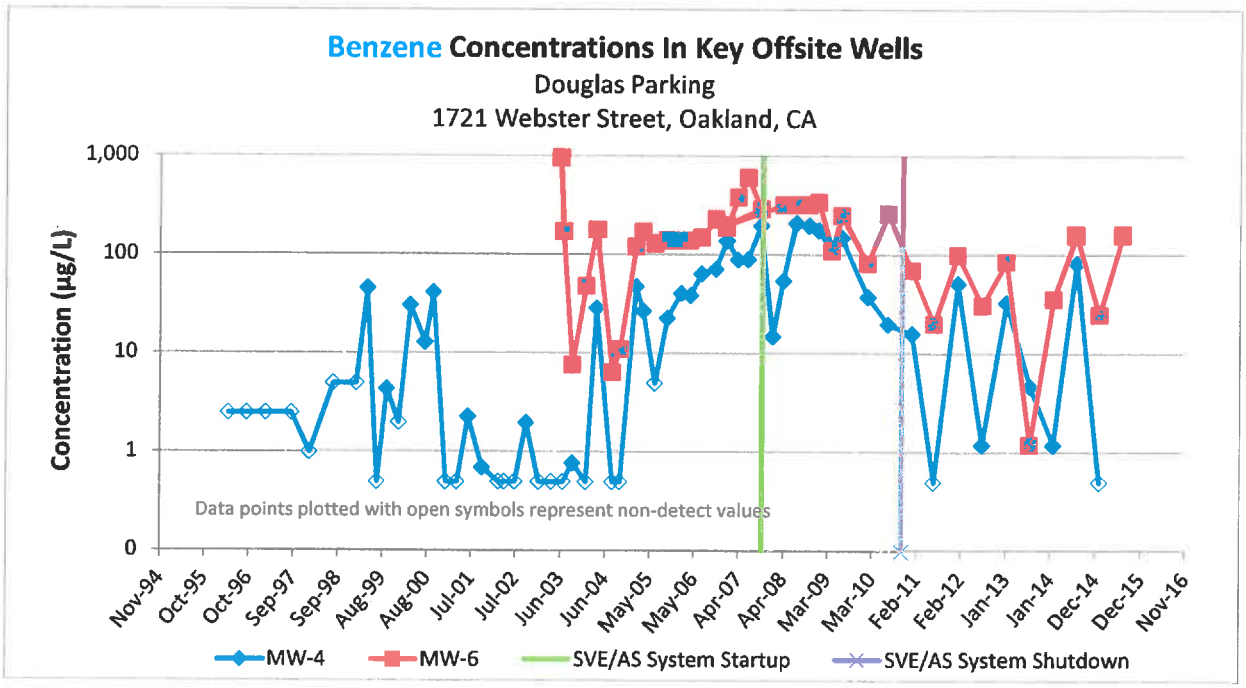


Figure 4 - TPHg and Benzene Trends in Key Offsite Wells

ATTACHMENT 11

Pangea

Table 1. Soil Analytical Data: Petroleum Hydrocarbons - 1721 Webster Street, Oakland, California

Sample ID	Date Sampled	Sample Depth (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthanlene	Notes
			← mg/kg →							
Residential ESL for shallow soil dw(<3 m bgs):			100	0.044	2.9	2.9	2.3	0.023	1.2	
Residential ESL for deep soil dw(>3 m bgs):			580	0.044	2.9	3.3	2.3	0.023	1.2	
Residential ESL for shallow soil non-dw(<3 m bgs):			100	0.54	9.3	2.9	11	8.4	3.1	
Residential ESL for deep soil non-dw(>3 m bgs):			1,800	1.2	9.3	4.7	11	8.4	4.8	
Commercial ESL for shallow soil non-dw (<3 m bgs):			**500**	**1.2**	9.3	4.7	11	8.4	4.8	
Commercial ESL for deep soil non-dw (>3 m bgs):			**1,800**	**1.2**	9.3	4.7	11	8.4	4.8	
Residential LTCP outdoor air criteria (0 to 5 ft bgs):			--	1.9	--	21	--	--	9.7	
Residential LTCP outdoor air criteria (5 to 10 ft bgs):			--	2.8	--	32	--	--	9.7	
Commercial LTCP outdoor air criteria (0 to 5 ft bgs):			--	8.2	--	89	--	--	45	
Commercial LTCP outdoor air criteria (5 to 10 ft bgs):			--	12	--	134	--	--	219	
Parker Environmental - 1992										
Beneath UST Samples										
T-1	8/3/1992	9.0	150	**2.2**	2.9	1.8	**13**	--	--	
T-2	8/3/1992	9.0	120	0.62	0.56	0.87	2.2	--	--	
T-3	8/6/1992	8.0	**580**	**1.7**	5.9	**5.6**	**43**	--	--	Overexcavated
T-4	8/6/1992	8.0	**1,500**	**11**	**140**	**48**	**280**	--	--	Overexcavated
T-5	8/6/1992	8.0	410	**6.7**	**22**	**6.2**	**35**	--	--	Overexcavated
T-6	8/6/1992	12.0	1,400	**12**	**70**	**29**	**150**	--	--	
T-7	8/6/1992	14.0	2.3	0.11	0.19	0.05	0.31	--	--	
South Excavation Sidewall Samples										
SW1	8/6/1992	9.5	280	**2.9**	5.8	3.2	**15**	--	--	
SW2	8/6/1992	7.0	**1,500**	**5.7**	**40**	**18**	**150**	--	--	
SW3	8/6/1992	8.0	400	**2.7**	5.8	**4.0**	**21**	--	--	
SW4	8/6/1992	9.0	2.3	0.42	0.028	0.077	0.18	--	--	
Piping and Dispenser Samples										
L-1	8/3/1992	1.5	2.6	<0.005	0.01	<0.005	0.03	--	--	
L-2	8/3/1992	1.5	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
L-3	8/3/1992	1.5	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
L-4	8/3/1992	1.5	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
L-5	8/3/1992	2.0	8.2	0.01	0.02	0.012	0.092	--	--	
L-6	8/3/1992	2.0	<1.0	<0.005	0.007	<0.005	<0.034	--	--	
Stockpile Samples										
C1	8/6/1992	1.5	**560**	<0.1	5.0	3.1	**24**	--	--	

Notes, Abbreviations and Methods:

mg/kg = Milligrams per kilogram, approximately equivalent to parts per million (ppm).

TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

TPHg = Total petroleum hydrocarbons by EPA Method 8015.

BTEX = Benzen, toluene, ethylbenzene, xylenes by EPA Method 8020/8021.

MTBE = Methyl tertiary-butyl ether by EPA Method 8020.

ESL = Environmental Screening Levels for shallow soil with commercial/industrial land use where groundwater is a current or potential drinking water resource from Table A-2, established by the SFBRWQCB, Interim Final - November 2007 (Revised May 2013).

LTCP = Low Threat Closure Policy

Bold = Concentration above ESLs for Commercial Land Use, groundwater is not a current or potential source of drinking water.

-- = Not available or not analyzed.

< n = Chemical not present at a concentration in excess of detection limit shown.

* Boring installed at 25° angle from vertical. Listed and calculated sample depth is rounded to the nearest 0.5 ft.

Pangea

Table 1. Soil Analytical Data: Petroleum Hydrocarbons - 1721 Webster Street, Oakland, California

Sample ID	Date Sampled	Sample Depth (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthanlene	Notes
			← mg/kg →							
Residential ESL for shallow soil dw(<3 m bgs):			100	0.044	2.9	2.9	2.3	0.023	1.2	
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Residential ESL for shallow soil non-dw(<3 m bgs):			100	0.54	9.3	2.9	11	8.4	3.1	
Residential ESL for deep soil non-dw(>3 m bgs):			1,800	1.2	9.3	4.7	11	8.4	4.8	
Commercial ESL for shallow soil non-dw (<3 m bgs):			**500**	**1.2**	9.3	4.7	11	8.4	4.8	
Commercial ESL for deep soil non-dw (>3 m bgs):			**1,800**	**1.2**	9.3	4.7	11	8.4	4.8	
Residential LTCP outdoor air criteria (0 to 5 ft bgs):			--	1.9	--	21	--	--	9.7	
Residential LTCP outdoor air criteria (5 to 10 ft bgs):			--	2.8	--	32	--	--	9.7	
Commercial LTCP outdoor air criteria (0 to 5 ft bgs):			--	8.2	--	89	--	--	45	
Commercial LTCP outdoor air criteria (5 to 10 ft bgs):			--	12	--	134	--	--	219	
Pangea Environmental Services, Inc. - 2013										
Confirmation Soil Borings										
CB-1-4	12/10/2013	4.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
CB-1-8	12/10/2013	8.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
CB-1-12	12/10/2013	12.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
CB-2-4	12/10/2013	3.5 - 4.0*	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
CB-2-8	12/10/2013	7.0 - 7.5*	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
CB-2-10	12/10/2013	8.5 - 9.0*	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Cambria Environmental Technology, Inc. - 2003										
MW-6	6/27/2003	20.0	220	<0.10	0.14	<0.10	0.35	<1.0	--	
Cambria Environmental Technology, Inc. - 1996										
SB-A	2/22/1996	19.5	<1.0	<0.005	0.007	<0.005	<0.005	--	--	
SB-B	2/22/1996	20.5	580	<0.3	1.3	1.8	4.2	--	--	
SB-C	2/22/1996	19.5	1.4	<0.005	0.013	0.027	0.12	--	--	
SB-D	2/22/1996	20.5	660	<0.2	2.3	<0.2	5.2	--	--	
SB-E	2/23/1996	20.5	<1.0	<0.005	0.009	<0.005	<0.005	--	--	
SB-F	2/23/1996	20.0	<1.0	<0.005	0.006	<0.005	<0.005	--	--	
SB-G	2/23/1996	20.0	<1.0	<0.005	0.009	<0.005	<0.005	--	--	
SB-H	5/3/1996	20.5	1.2	<0.005	0.006	0.025	0.038	--	--	
(MW-4)	5/3/1996	31.0	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
SB-I	5/3/1996	15.5	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
(MW-5)	5/3/1996	26.0	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
Gen-Tech Environmental - 1994										
EB-1@20	7/8/1994	20.0	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
EB-2@20	7/8/1994	20.0	300	0.2	**17**	0.26	3.0	--	--	
EB-3@20	7/8/1994	20.0	51	0.039	0.56	0.32	2.9	--	--	
EB-4@20	7/8/1994	20.0	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	
EB-5@20	7/8/1994	20.0	650	0.17	5.2	**4.4**	**48**	--	--	
EB-6@20	7/8/1994	20.0	68	<0.005	**22**	**4.3**	**23**	--	--	

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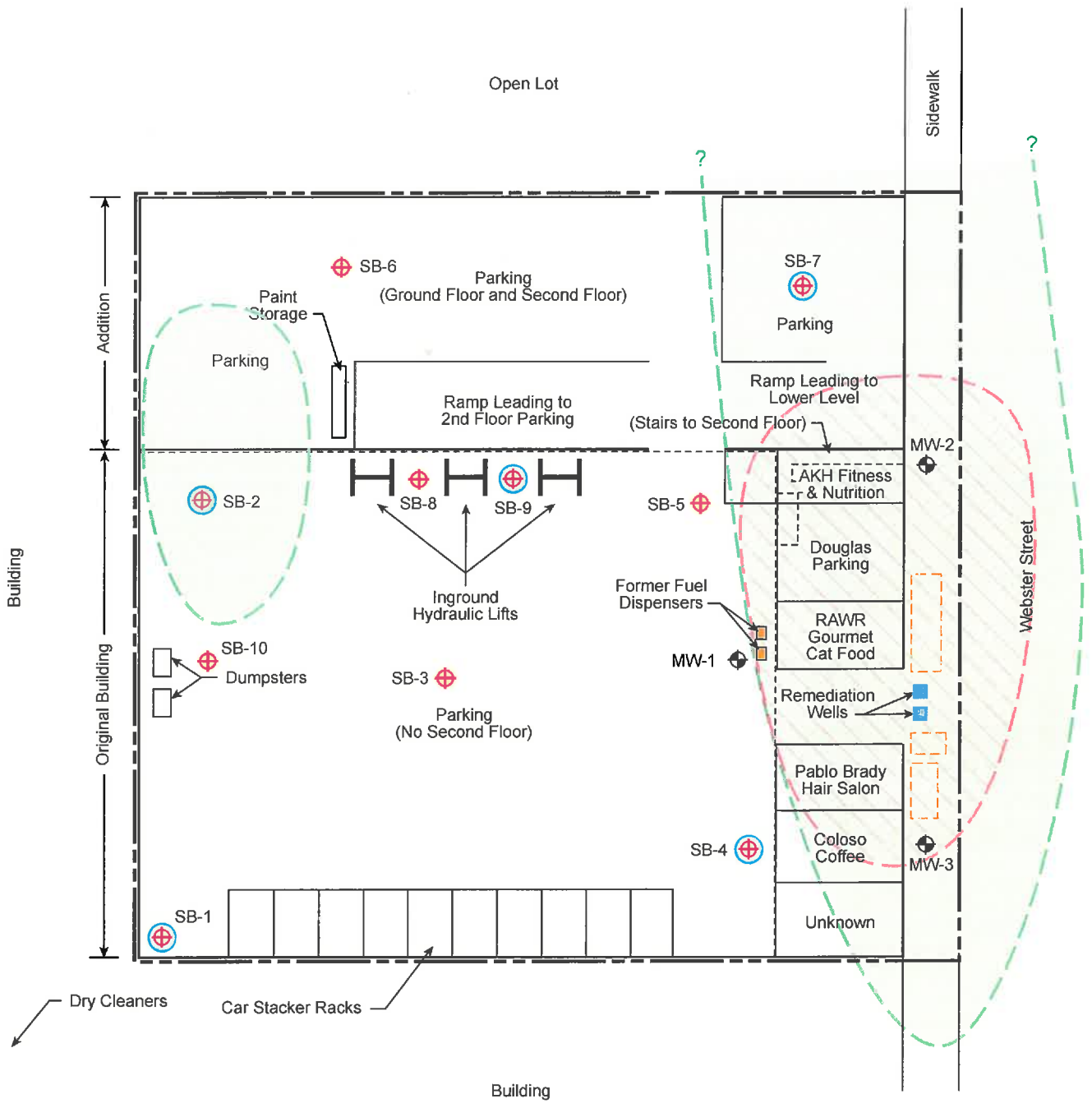


Legend

- Subject property boundary
- Existing monitoring well
- Soil boring location
- Soil boring location with grab groundwater sample
- Former underground storage tank
- Approximate area of TPH within the unsaturated zone
- Approximate area of TPH within the saturated zone

Project North

True North

0 30 60

Approximate Scale in Feet

Figure 3

Site Plan

1721 Webster Street, Oakland, CA

AECOM

Table 1
Sample Location Rationale
1721 Webster Street
Oakland, CA

Boring ID	Rationale	Media		Analytical Parameters							
		Soil	Groundwater	Soil					Groundwater		
				TPH-g/TPH-d/TPH-mo	VOCs	Metals	PCBs	Pesticides	TPH-g/TPH-d/TPH-mo	VOCs	Metals
SB-1	Assess potential impacts from dry cleaner operations southwest of subject property	3	1	3	3	3	1	1	1	1	2
SB-2 & SB-3	Assess potential impacts from historical site use (Automobile Servicing)	6	1	6	6	6	2	2	1	1	2
SB-4, SB-5, & SB-7	Assess extent of contamination associated with former USTs	9	2	9	9	9	3	3	2	2	4
SB-6	Assess baseline soil conditions on subject property	3	0	3	3	3	1	1	0	0	0
SB-8 & SB-9	Assess soil and groundwater conditions adjacent to inground hydraulic lifts	6	1	6	6	6	2	2	1	1	2
SB-10	Assess shallow soil quality in dumpster area	1	0	1	1	1	1	1	0	0	0
MW-1	Assess current groundwater quality to include chlorinated VOCs	0	1	0	0	0	0	0	1	1	2

Notes:

TPH-g = Total Petroleum Hydrocarbons as Gasoline (EPA Method 8260B) ; TPH-d = Total Petroleum Hydrocarbons as diesel (EPA Method 8015B)
TPH-mo = Total Petroleum Hydrocarbons as motor oil (EPA Method 8015B); TPH-ho = Total Petroleum Hydrocarbons as hydraulic oil (EPA Method 8015B)
VOCs = volatile organic compounds (EPA Method 8260B)
Metals = Title 22 Metals (EPA Method 6010B and 7470/7471)
PCBs = Polychlorinated Biphenyls (EPA Method 8082)
Pesticides= Organochhlorine pesticides (EPA Method 8081)

Table 2
Soil Analytical Results - Organics
1721 Webster St
Oakland, CA

Sample Location	Sample Depth (ft bgs)	Sample Date	TPH (mg/kg)			VOCs (ug/kg)	Pesticides (ug/kg)	PCBs (ug/kg)	PAHs (mg/kg)
			Gasoline-Range	Diesel-Range	Motor Oil-Range				
SB-1	3	7/12/2016	0.210 U	0.99 U	50 U	ND	ND	ND	ND
	9	7/12/2016	0.190 U	0.99 U	50 U	ND	--	--	--
	15	7/12/2016	0.180 U	1.0 U	50 U	ND	--	--	--
SB-2	4	7/11/2016	0.220 U	0.99 U	49 U	ND	ND	--	--
	10	7/11/2016	0.180 U	0.99 U	50 U	ND	--	--	ND
	15	7/11/2016	0.180 U	1.0 U	50 U	ND	--	ND	--
SB-3	2	7/12/2016	0.200 U	1.0 U	50 U	ND	ND	ND	ND
	7	7/12/2016	0.180 U	1.0 U	50 U	ND	--	--	--
	14	7/12/2016	0.180 U	1.0 U	50 U	ND	--	--	--
SB-4	3	7/12/2016	0.180 U	0.99 U	50 U	ND	ND	--	--
	10	7/12/2016	0.170 U	1.0 U	50 U	ND	--	--	ND
	15	7/12/2016	0.180 U	0.99 U	50 U	ND	--	--	--
SB-5	5	7/12/2016	0.200 U	1.0 U	50 U	ND	ND	--	ND
	9	7/12/2016	0.160 U	0.99 U	49 U	ND	--	--	--
	14	7/12/2016	0.180 U	0.99 U	50 U	ND	--	--	--
SB-6	3	7/13/2016	0.230 U	1.0 U	50 U	ND	ND	ND	--
	10	7/13/2016	0.180 U	0.99 U	49 U	ND	--	--	--
	15	7/13/2016	0.190 U	1.0 U	50 U	ND	--	--	--
SB-7	1	7/12/2016	0.220 U	1.0 U	50 U	ND	ND	ND	--
	6	7/12/2016	0.180 U	1.3	49 U	ND	--	--	ND
	12	7/12/2016	0.210 U	1.0 U	50 U	ND	--	--	--
SB-8	1	7/11/2016	0.250 U	2.8	50 U	ND	ND	--	ND
	8	7/11/2016	0.170 U	0.99 U	50 U	ND	--	ND	--
	13	7/11/2016	0.200 U	1.0	50 U	ND	--	--	--
SB-9	2	7/11/2016	0.220 U	7.9	50 U	ND	ND	--	--
	6	7/11/2016	0.170 U	1.0 U	50 U	ND	--	--	--
	14	7/11/2016	0.190 U	0.99 U	49 U	ND	--	ND	ND
SB-10	1	7/13/2016	0.220 U	2.6	50 U	ND	ND	ND	ND
ESL Residential Land Use (Shallow Soil) [1]			740	230	11,000	various	various	various	various

Notes:

1. San Francisco Bay Regional Water Quality Control Board, Environmental Screening Levels, Table S-1: Shallow Soils, Residential Land Use, February 2016 Edition.

Abbreviations and Symbols:

ft bgs	= feet below ground surface
mg/kg	= milligram per kilogram
ND	= not detected at or above the laboratory reporting limit
PAH	= polycyclic aromatic hydrocarbon
TPH	= total petroleum hydrocarbon
U	= not detected at or above the laboratory reporting limit shown
ug/kg	= microgram per kilogram
VOC	= volatile organic compound
--	= not analyzed

Table 3
Soil Analytical Results - Metals
1721 Webster St
Oakland, CA

Sample Location	Sample Depth (ft bgs)	Sample Date	Metals (mg/kg)										
			Arsenic (As)	Barium (Ba)	Beryllium (Be)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Mercury (Hg)	Nickel (Ni)	Vanadium (V)	Zinc (Zn)
SB-1	3	7/12/2016	2.5 U	48	0.25 U	31	2.8	7.0	5.4	0.029	15	20	22
	9	7/12/2016	5.4	53	0.30 U	49	11	12	3.6	0.051	46	38	32
	15	7/12/2016	3.6 U	62	0.36 U	62	6.8	6.8	1.9	0.032	44	31	23
SB-3	2	7/12/2016	2.7 U	62	0.27 U	31	3.2	6.8	2.8	0.030	14	21	16
	7	7/12/2016	2.8 U	100	0.28 U	84	5.8	13	3.8	0.052	56	32	28
	14	7/12/2016	3.4	43	0.23 U	49	6.0	5.0	1.6	0.023	38	31	19
SB-4	3	7/12/2016	3.8	68	0.25 U	37	26	7.8	2.9	0.033	27	40	14
	10	7/12/2016	2.9	86	0.27 U	58	6.9	12	3.6	0.045	37	38	27
	15	7/12/2016	3.4 U	47	0.34 U	60	6.2	5.6	1.7 U	0.028	44	35	20
SB-5	5	7/12/2016	3.4	59	0.30 U	45	7.3	9.5	3.2	0.030	42	32	22
	9	7/12/2016	2.9	98	0.24	60	7.1	13	3.5	0.048	42	38	30
	14	7/12/2016	3.5 U	46	0.35 U	48	5.2	5.2 U	1.7	0.022	36	30	18
SB-6	3	7/13/2016	3.5 U	55	0.35 U	32	2.4	5.3 U	3.4	0.024	13	21	13
	10	7/13/2016	3.4	87	0.30	45	12	12	3.6	0.057	44	37	29
	15	7/13/2016	3.7 U	42	0.37 U	50	6.9	5.6 U	1.9 U	0.019	45	31	22
SB-7	1	7/12/2016	3.4 U	52	0.34 U	37	4.9	7.7	3.9	0.024	15	24	19
	6	7/12/2016	3.9	87	0.32	61	25	13	4.6	0.034	50	41	29
	12	7/12/2016	3.4 U	48	0.34 U	48	6.2	5.3	1.7 U	0.072	42	32	21
SB-8	1	7/11/2016	3.3 U	120	0.33 U	34	8.2	9.1	20	0.072	16	24	34
	8	7/11/2016	2.5 U	76	0.25 U	64	7.2	13	3.4	0.14	49	28	26
	13	7/11/2016	3.3 U	35	0.33 U	57	6.8	5.3	1.8	0.022	46	32	21
SB-9	2	7/11/2016	3.4 U	73	0.34 U	34	3.4	8.3	7.9	0.021	15	20	17
	6	7/11/2016	2.9 U	71	0.29 U	47	6.6	8.4	2.7	0.031	41	31	20
	14	7/11/2016	3.5 U	46	0.35 U	41	5.9	5.2 U	1.7 U	0.018	34	30	18
SB-10	1	7/13/2016	3.2 U	99	0.32 U	35	4.4	11	33	0.11	18	22	37
ESL Residential Land Use (Shallow Soil) [1]			0.067	15,000	150	NV	23	3,100	80	13	820	140,000	23,000
Soluble Threshold Limit Concentration (STLC) [2] mg/L			5.0	100	0.75	5.0	80	25	5.0	0.2	20	24	250
Total Threshold Limit Concentration (TTLC) [2] mg/kg			500	10,000	75	2,500	8,000	2,500	1,000	20	2,000	2,400	5,000

Notes:

1. San Francisco Bay Regional Water Quality Control Board, Environmental Screening Levels, Table S-1; Shallow Soils, Residential Land Use, February 2016 Edition.
2. STLC and TTLC, State of California, Chapter 11, Article 3, July 2005 Edition.

Abbreviations and Symbols:

ft bgs	= feet below ground surface
mg/kg	= milligram per kilogram
NV	= no value
U	= not detected at or above the laboratory reporting limit shown
Green	= Detection above laboratory reporting limits in exceedance of the RWQCB ESL

ATTACHMENT 12

Pangea

Table 1. Subslab/Soil Gas Analytical Data - Douglas Parking, 1721 Webster Street, Oakland, California

Boring/ Sample ID	Date Sampled	Sample Depth (ft - ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	TPH Gasoline	MTBE	Naphthalene	Isopropanol	Methane	Helium	Oxygen	Notes
			ug/m³									%	%	
2016 Tier 1 ESL			48	160,000	560	52,000	50,000	5,400	41	--	--	--	--	For SG/SS samples
Residential ESL for subslab/soil gas; VI Human Health Risk:			48	160,000	560	52,000	300,000	5,400	41	--	--	--	--	For SG/SS samples
Commercial ESL for subslab/soil gas; VI Human Health Risk:			420	1,300,000	4,900	440,000	2,500,000	47,000	360	--	--	--	--	For SG/SS samples
No Bio-Attenuation Zone, **Residential** (LTCP)			85	--	1,100	--	--	--	93	--	--	--	--	
No Bio-Attenuation Zone, **Commercial** (LTCP)			280	--	3,600	--	--	--	310	--	--	--	--	
With Bio-Attenuation Zone, **Residential** (LTCP)			85,000	--	1,100,000	--	--	--	93,000	--	--	--	--	
With Bio-Attenuation Zone, **Commercial** (LTCP)			280,000	--	3,600,000	--	--	--	310,000	--	--	--	--	
Soil Gas Samples														
SG-1	9/23/2016	5 - 6	<3.3	5.7	<4.4	13.6	<7,170	<3.7	--	<13	<5,100	--	17.7	
SG-2	9/23/2016	5 - 6	12	<3.8	<4.4	23.9	<7,170	<3.7	--	<13	<5,100	--	19.8	
Subslab Gas Samples														
SS-1	11/14/2013	0.5 - 0.7	<1.6	<1.9	<2.2	<6.6	2,300	<1.8	<5.3	--	--	0.13	17	For other VOC detections see the lab report.
	6/23/2015	0.5 - 0.7					--floor refinished, probe covered--							
SS-2	11/13/2013	0.5 - 0.7	58	2.7	<2.2	<6.6	2,000	<1.8	<5.3	--	--	0.48	16	For other VOC detections see the lab report.
	6/23/2015	0.5 - 0.7	<1.6	3.7	2.3	14	<720	<1.8	<5.3	<50	--	--	--	For other VOC detections see the lab report.
	9/23/2016	0.5 - 0.7	<3.3	<3.8	<4.4	<13.2	<7,170	<3.7	--	<13	<5,400	--	20.4	
SS-3	11/13/2013	0.8 - 1.0	71	2.6	<2.2	<6.6	1,400	<1.8	<5.3	--	--	0.12	17	For other VOC detections see the lab report.
	6/23/2015	0.8 - 1.0	<1.6	3.3	<2.2	13	1,100	<1.8	<5.3	<50	--	--	--	For other VOC detections see the lab report.
	9/23/2016	0.8 - 1.0	<3.3	4.0	<4.4	13	<7,170	<3.7	--	<13	<5,000	--	20.5	

Abbreviations:

SG-1 = Soil Gas Sample

SS-1 = Subslab Sample

ug/m3 = Micrograms per cubic meter of air results calculated by laboratory from parts per billion results using normal temperature and pressure (NPT).

ft - ft bgs = Depth interval below ground surface (bgs) in feet.

% = Percent of total sample volume.

Volatile organic compounds (VOCs) by EPA Method TO-15 (partial list), uses GC/MS scan.

Oxygen by Modified ASTM Method D-1946, uses GC/TCD scan.

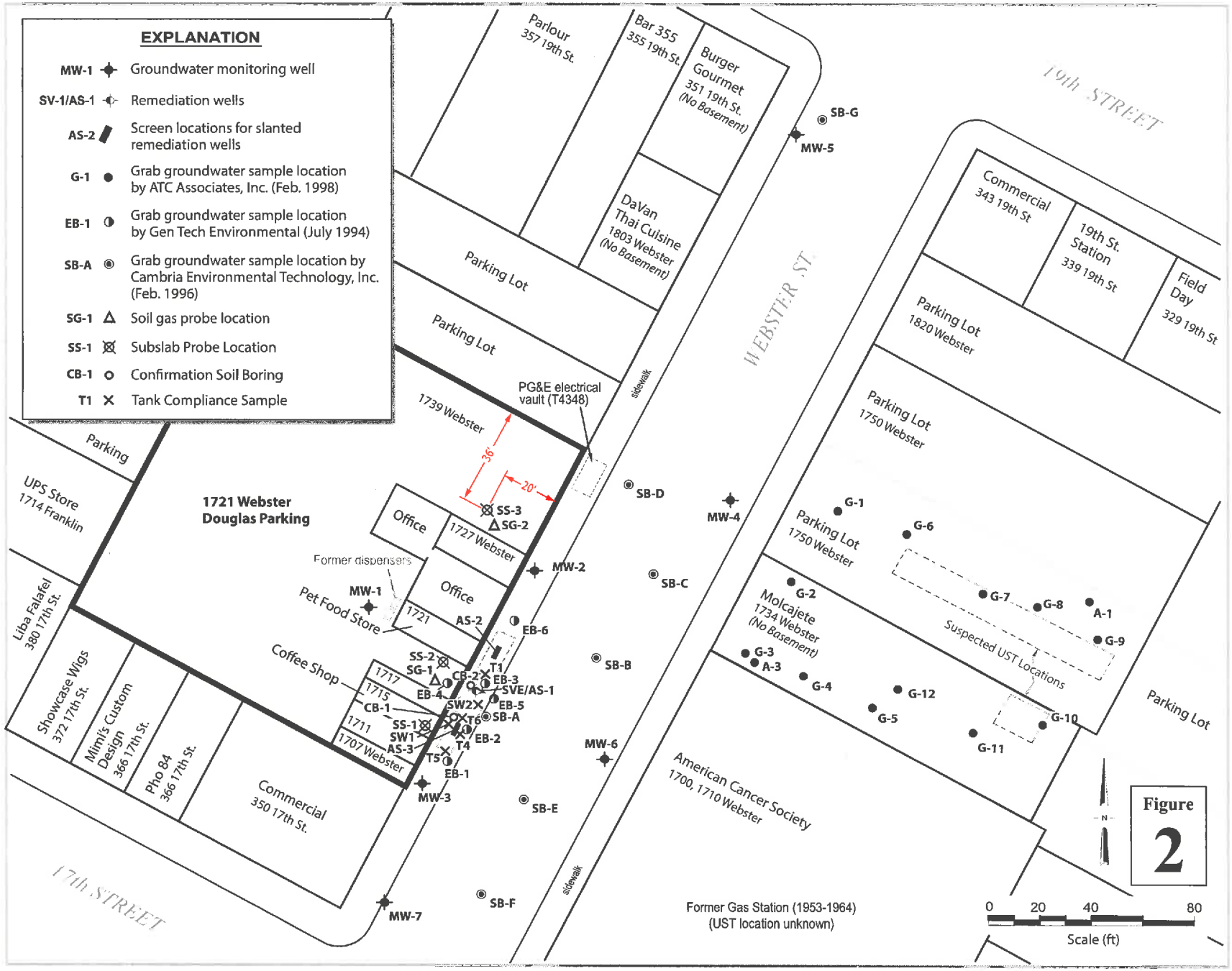
< n = Chemical not present at a concentration in excess of detection limit shown.

MRL = Method reporting limit. Laboratory reporting limit based on parts per billion on volume to volume basis (ppbv/v) and converted to ug/m3.

ESL = Environmental Screening Level, from California Regional Water Quality Control Board - San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Revised February 2016 (Revision 3).

LTCP = Low Threat Closure Policy

Bold = Concentrations above Lowest ESLs for Commercial Land Use for shallow soil gas (SG & SS samples).



Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Site Map

ATTACHMENT 13

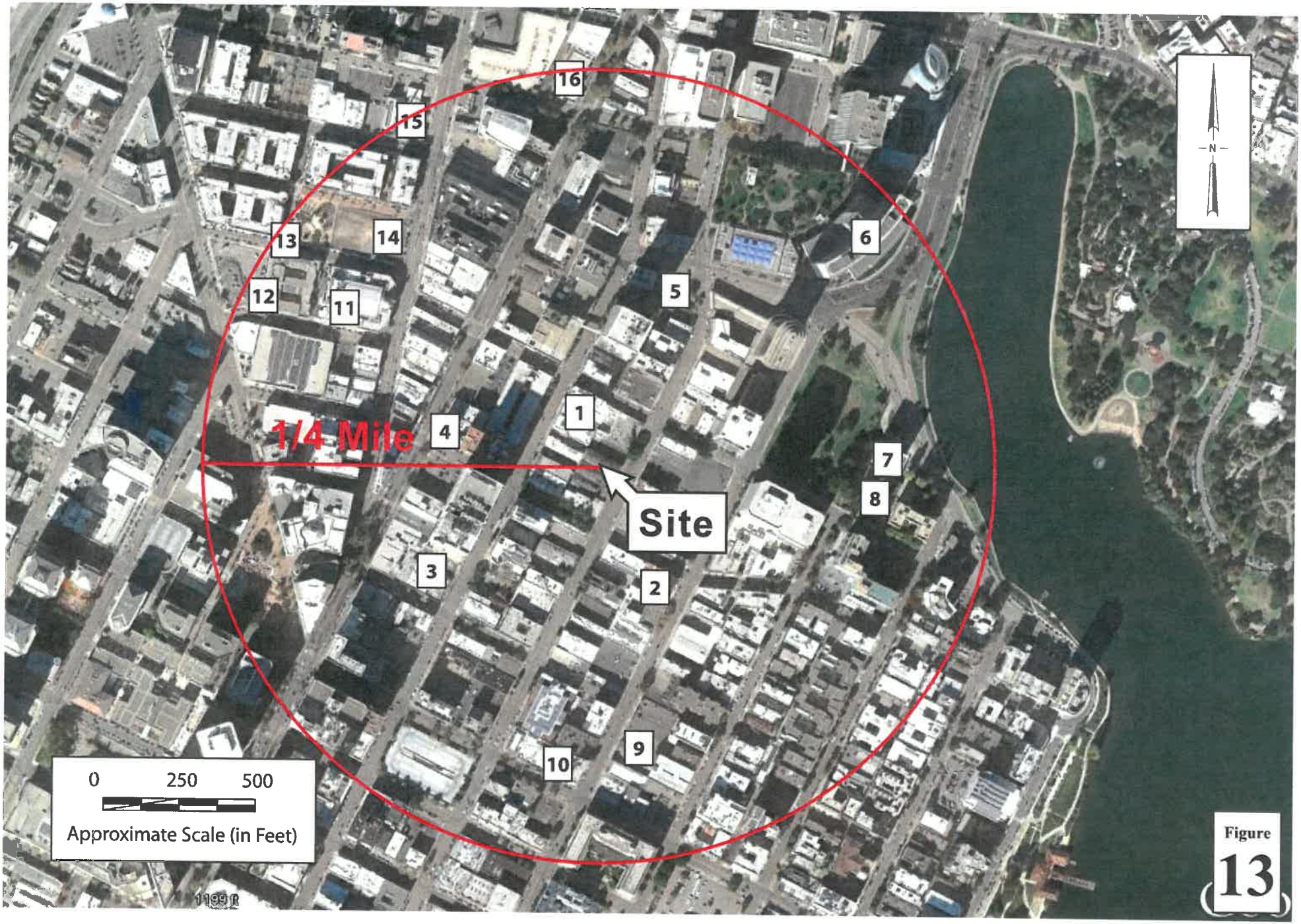


Figure 13

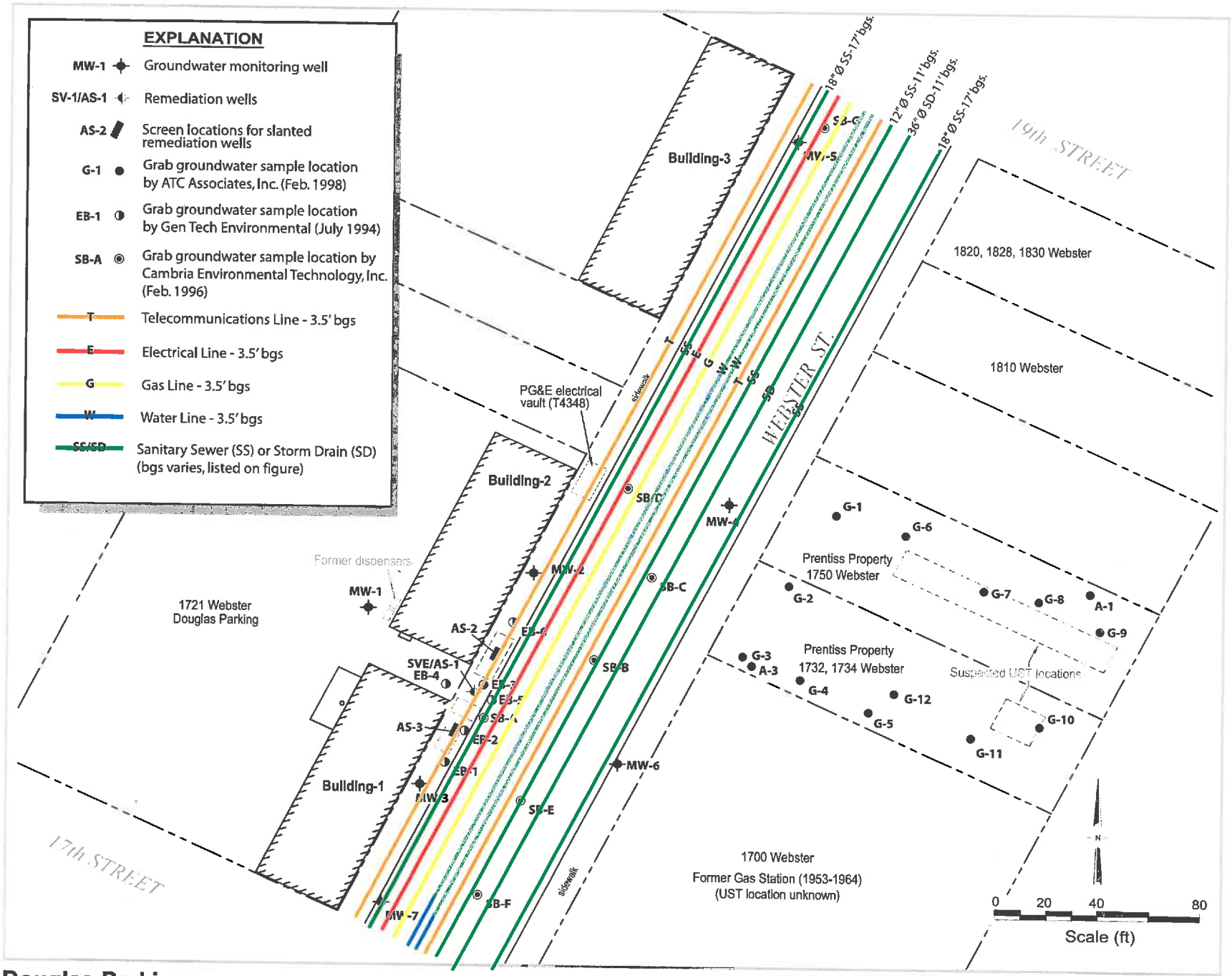
Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Well Location Map

Figure 13 Well Identification	Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqg	Rec_code	Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	WCR #	WELL #, COMMENTS
		1S/4W	26Q 2	BROADWAY & 20 ST	Oakland	BANK AMERICA	12/12/1984	1.22E+08	37809700	8	1S/4W 26Q	2494	0	OAK	Nov-78	0	0	0	0	GEO*		
16		1S/4W	26Q 4	21ST & BROADWAY	Oakland	BANK OF AMERICA	6/15/1989	1.22E+08	37810600	8	1S/4W 26Q	2496	0	OAK	Nov-88	0	30	20	2	MON		
		1S/4W	26Q11	1911 Telegraph Av	Oakland	Carter Hawley Hale	8/13/1997	1.22E+08	37809130	1	1S/4W 26Q	0	0	OAK	6/93	24	25	15	4	MON		
		1S/4W	26Q12	1911 Telegraph Av	Oakland	Carter Hawley Hale	8/13/1997	1.22E+08	37809130	1	1S/4W 26Q	0	0	OAK	6/93	26	30	19	4	MON		
		1S/4W	26Q13	1911 Telegraph Av	Oakland	Carter Hawley Hale	8/13/1997	1.22E+08	37809130	1	1S/4W 26Q	0	0	OAK	6/93	23	24	15	4	MON		
	W2006-0596	1S/4W	26Q17	1911 Telegraph Ave-MW-22	Oakland	Forest City-785 Market Street,CA 9410	06/19/206				1S/4W 26Q			OAK	Jun-06	0	22	0	2	MON	WCR-790705	
	W2006-0597	1S/4W	26Q18	1911 Telegraph Ave-MW-23	Oakland	Forest City-785 Market Street,CA 9410	6/19/2006				1S/4W 26Q			OAK	Jun-06	0	25	0	2	MON	WCR-790701	
	W2007-1181	1S/4W	26Q18	1911 Telegraph Ave-MW-23	Oakland	Forest City-785 Market Street,CA 9410	11/8/2007				1S/4W 26Q			OAK	118/2007	0	25	0	2	DES	WCR-?	
	W2006-0598	1S/4W	26Q19	1911 Telegraph Ave-MW-24	Oakland	Forest City-785 Market Street,CA 9410	6/19/2006				1S/4W 26Q			OAK	Jun-06	0	25	0	2	MON	WCR-790702	
	W2006-0599	1S/4W	26Q20	1911 Telegraph Ave-MW-25	Oakland	Forest City-785 Market Street,CA 9410	6/19/2006				1S/4W 26Q			OAK	Jun-06	0	22	0	2	MON	WCR-790703	
	W2006-0600	1S/4W	26Q21	1911 Telegraph Ave-MW-26	Oakland	Forest City-785 Market Street,CA 9410	6/19/2006				1S/4W 26Q			OAK	Jun-06	0	22	0	2	MON	WCR-790704	
	W2007-1225	1S/4W	26Q22	1911 Telegraph Ave-MW-23A	Oakland	Forest City-785 Market Street,CA 9410	12/20/2007				1S/4W 26Q			OAK	Dec-07	0	28	0	2	MON	WCR-0921087	
		1S/4W	26Q 3	1911 TELEGRAPH AVE	Oakland	CARTER-HAWLEY-HALE	6/1/1988	1.22E+08	37809130	0	1S/4W 26Q	2495	0	OAK	Mar-88	0	25	18	2	TES		
		1S/4W	26Q 5	17th St & Broadway	Oakland	City of Oakland Redvlpmnt	6/12/1991	1.22E+08	37807300	0	1S/4W 26Q	1697	0	OAK	1/91	0	27	20	2	TES		
13		1S/4W	26Q 6	557 19th Street	Oakland	City of Oakland Redvlpmnt	6/12/1991	1.22E+08	37809021	0	1S/4W 26Q	1698	0	OAK	1/91	0	25	16	2	TES		
12		1S/4W	26Q 7	19th St & Telegraph Ave	Oakland	City of Oakland Redvlpmnt	6/12/1991	1.22E+08	37808900	3	1S/4W 26Q	1699	0	OAK	1/91	0	25	19	2	TES		
14		1S/4W	26Q 8	552 19th St.	Oakland	City of Oakland Redvlpmnt	6/12/1991	1.22E+08	37809207	0	1S/4W 26Q	1700	0	OAK	1/91	0	24	19	2	TES		
15		1S/4W	26Q 9	20th St. & Telegraph Ave.	Oakland	City of Oakland Redvlpmnt	6/12/1991	1.22E+08	37810200	0	1S/4W 26Q	1701	0	OAK	1/91	0	28	21	2	TES		
11		1S/4W	26Q10	513 18th St	Oakland	City of Oakland Redvlpmnt	6/12/1991	1.22E+08	37808183	0	1S/4W 26Q	1702	0	OAK	1/91	0	26	20	2	TES		
		1S/4W	26Q14	2025 Telegraph Av	Oakland	Goodyear Tire & Rubber Co	9/11/1997	1.22E+08	37810451	1	1S/4W 26Q	0	0	OAK	5/93	0	24	15	4	MON		
		1S/4W	26Q15	2025 Telegraph Av	Oakland	Goodyear Tire & Rubber Co	9/11/1997	1.22E+08	37810451	1	1S/4W 26Q	0	0	OAK	5/93	0	21	15	4	MON		
		1S/4W	26Q16	2025 Telegraph Av	Oakland	Goodyear Tire & Rubber Co	9/11/1997	1.22E+08	37810451	1	1S/4W 26Q	0	0	OAK	5/93	0	21	15	4	MON		
		1S/4W	26Q 1	19 & FRANKLIN ST	Oakland		12/12/1984	1.22E+08	37807900	8	1S/4W 26Q	2493	0	OAK	9/74	0	0	0	0	GEO*		
	92121	1S/4W	26R 6	2100 Harrison St	Oakland	Ahmanson Comm Dev. MW-3	9/20/1992	1.22E+08	37810004	1	1S/4W 26R	7866	0	OAK	3/92	0	25	7	4	MON		
		1S/4W	26R 2	2100 Harrison Street	Oakland	Ahmanson Commercial Dvlpt	4/17/1991	1.22E+08	37810004	0	1S/4W 26R	1622	0	OAK	2/91	0	290	0	5	DOM		
		1S/4W	26R 3	2100 Harrison Street	Oakland	Ahmanson Commercial Dvlpt	4/17/1991	1.22E+08	37810004	0	1S/4W 26R	1623	0	OAK	3/91	0	290	20	6	IRR		
	94484	1S/4W	26R	2100 Harrison Street	Oakland	Ahmanson Commercial Dvlpt	4/14/2010				1S/4W 26R			OAK	Aug-94					MON DES	345222-225	MW1 MW2 MW3
6		1S/4W	26R 1	300 Lakeside Drive	Oakland	Kaiser Center	2/27/1991	1.22E+08	37808852	8	1S/4W 26R	1082	0	OAK	1/91	0	13	0	2	DES		
6		1S/4W	26R 4	300 Lakeside Drive	Oakland	Kaiser Center	7/26/1991	1.22E+08	37808852	8	1S/4W 26R	1737	0	OAK	6/91	0	35	20	2	MON		
6	91202	1S/4W	26R 4	300 Lakeside Drive	Oakland	Kaiser Center	3/26/2010				1S/4W 26R			OAK	5/10/91		280		10	IRR	345857	
6		1S/4W	26R 5	300 Lakeside Drive	Oakland	Kaiser Center	3/5/1992	1.22E+08	37809366	1	1S/4W 26R	7325	0	OAK	Dec-91	0	31	9	2	MON		
5		1S/4W	26R	1975 Webster	Oakland	Mobil #04-077 SB1	9/21/1992	1.22E+08	37808698	1	1S/4W 26R	7892	0	OAK	4/92	0	30	12	0	BOR*		
5		1S/4W	26R 7	1975 Webster St	Oakland	Mobil #04-077 MW-1	9/21/1992	1.22E+08	37808734	1	1S/4W 26R	7892	0	OAK	5/92	8	16	6	4	MON		
5		1S/4W	26R 8	1975 Webster St	Oakland	Mobil #04-077 MW-2	9/21/1992	1.22E+08	37808734	1	1S/4W 26R	7893	0	OAK	5/92	9	16	7	4	MON		
5		1S/4W	26R 9	1975 Webster St	Oakland	Mobil #04-077 MW-8	9/21/1992	1.22E+08	37808734	1	1S/4W 26R	7894	0	OAK	4/92	0	28	5	4	MON		
5		1S/4W	26R10	1975 Webster St	Oakland	Mobil #04-077 MW-4	9/21/1992	1.22E+08	37808734	1	1S/4W 26R	7895	0	OAK	4/92	9	16	6	4	MON		
		1S/4W	26R	1 Kaiser Plaza	Oakland	Ordway Building B-2	9/23/1992	1.22E+08	37810174	1	1S/4W 26R	7975	0	OAK	3/92	0	20	0	6	BOR*		
		1S/4W	26R11	1 Kaiser Plaza	Oakland	Ordway Building MW-1	9/23/1992	1.22E+08	37810205	1	1S/4W 26R	7972	0	OAK	3/92	23	34	18	2	MON		
		1S/4W	26R12	1 Kaiser Plaza	Oakland	Ordway Building MW-2	9/23/1992	1.22E+08	37810205	1	1S/4W 26R	7973	0	OAK	3/92	20	32	16	2	MON		
		1S/4W	26R13	1 Kaiser Plaza	Oakland	Ordway Building MW-3	9/23/1992	1.22E+08	37810205	1	1S/4W 26R	7974	0	OAK	3/92	20	28	16	2	MON		
		1S/4W	35A 3	17TH AND HARRISON NW	Oakland	CHEVRON	6/15/1989	1.22E+08	37805914	9	1S/4W 35A	2604	0	OAK	Oct-88	0	25	20	4	MON		
		1S/4W	35A 4	17TH AND HARRISON NW	Oakland	CHEVRON	6/15/1989	1.22E+08	37805914	9	1S/4W 35A	2605	0	OAK	Oct-88	0	32	20	4	MON		
		1S/4W	35A 5	17TH AND HARRISON NW	Oakland	CHEVRON	6/15/1989	1.22E+08	37805914	9	1S/4W 35A	2606	0	OAK	Oct-88	0	25	25	4	MON		
2		1S/4W	35A19	1633 HARRISON WY	Oakland	Chevron Products MW-15	4/16/1993	1.22E+08	37805432	1	1S/4W 35A	0	0	OAK	Dec-92	29	28	20	2	MON		
2		1S/4W	35A20	1633 HARRISON WY	Oakland	Chevron Products MW-16	4/16/1993	1.22E+08	37805432	1	1S/4W 35A	0	0	OAK	Dec-92	29	30	20	2	MON		
2		1S/4W	35A11	1633 Harrison St.	Oakland	Chevron USA	9/11/1990	1.22E+08	37805408	0	1S/4W 35A	904	0	OAK	Jun-90	0	25	24	8	BOR		
2		1S/4W	35A12	1633 Harrison St.	Oakland	Chevron USA	9/11/1990	1.22E+08	37805408	0	1S/4W 35A	905	0	OAK	Jun-90	0	28	19	2	MON		
2		1S/4W	35A13	1633 Harrison St.	Oakland	Chevron USA	9/11/1990	1.22E+08	37805408	0	1S/4W 35A	906	0	OAK	Jun-90	0	27	21	2	MON		
2		1S/4W	35A14	1633 Harrison St.	Oakland	Chevron USA	9/11/1990	1.22E+08	37805408	0	1S/4W 35A	907	0	OAK	Jun-90	0	30	21	2	MON		
2		1S/4W	35A	17TH ST. &HARRISON ST.	San Leandro	CHEVRON USA	11/6/1989	1.22E+08	37805914	9	1S/4W 35A	2601	0	OAK	Apr-89	0	24	22	9	BOR		
2		1S/4W	35A 6	17TH ST. & HARRISON ST.	San Leandro	CHEVRON USA	11/6/1989	1.22E+08	37805914	9	1S/4W 35A	2607	0	SLE	Apr-89	0	37	22	4	MON		
2		1S/4W	35A 7	17TH & HARRISON ST.	San Leandro	CHEVRON USA	11/6/1989	1.22E+08	37805914	9	1S/4W 35A	2608	0	SLE	Apr-89	0	34	22	4	MON		
2		1S/4W	35A 8	17TH & HARRISON ST.	San Leandro	CHEVRON USA	11/6/1989	1.22E+08	37805914	9	1S/4W 35A	2609	0	SLE	Apr-89	0	30	20	4	MON		
2		1S/4W	35A 9	17TH & HARRISON ST.	San Leandro	CHEVRON USA	11/6/1989	1.22E+08	37805914	9	1S/4W 35A	2610	0	SLE	Apr-89	0	31	0	4	MON		
2		1S/4W	35A10	17TH ST. &HARRISON ST.	San Leandro	CHEVRON USA	11/6/1989	1.22E+08	37805914	9	1S/4W 35A	2611	0	SLE	Apr-89	0	28	20	4	MON		
2		1S/4W	35A15	1633 Harrison	Oakland	Chevron, USA	8/9/1992	1.22E+08	37805838	1	1S/4W 35A	7346	0	OAK	Oct-91	0	28	21	2	MON		
2		1S/4W	35A16	1633 HARRISON	Oakland	Chevron, USA MW14	8/9/1992	1.22E+08	37806045	1	1S/4W 35A	7347	0	OAK	Oct-91	0	27	21	2	MON		
7		1S/4W	35A 2	244 LAKESIDE	Oakland	LADESIDE CORP (BECHTEL)	12/12/1984	1.22E+08	37806953	2	1S/4W 35A	2603	0	OAK	/77	0	95	30	6	IRR		
		1S/4W	35A 1	ALICE ST	Oakland	P.T. & T BLDG	12/12/1984	1.22E+08	37801950	2	1S/4W 35A	2602	0	OAK	?	0	0	0	0	GEO*		
8		1S/4W	35A	19th & Alice (Snow Park)	Oakland	U.S. Geological Society	7/31/1991	1.22E+08	37806500	3	1S/4W 35A	1821	0	OAK	5/91	0	14	5	4	MON		
		1S/4W	35A					0	0	9	1S/4W 35A	6922	0		Apr-89	0	23	22	9	BOR		
		1S/4W	35A					0	0	9	1S/4W 35A	6923	0		Apr-89	0	23	22	9	BOR		
		1S/4W	35A					0	0	9	1S/4W 35A	6924	0		Apr-89	0	23	22	9	BOR		
9	96703	1S/4W	35B 5	Harrison St && 15th St	Oakland	Alvin H. Bacharach and Ba	12/26/1997	1.22E+08	37804500	1	1S/4W 35B	0	0	OAK	Oct-96	0	25	0	2	MON		
9	96703	1S/4W	35B 6	Harrison St && 15th St	Oakland	Alvin H. Bacharach and Ba	12/26/1997	1.22E+08	37804500	1	1S/4W 35B	0	0	OAK	Oct-96	0	29	0	2	MON		
9	96703	1S/4W	35B 7	Harrison St && 15th St	Oakland	Alvin H. Bacharach and Ba	12/26/1997	1.22E+08	37804500	1	1S/4W 35B	0	0	OAK	Oct-96	0	29	0	2	MON		
		1S/4W	35B 3	1721 Webster St	Oakland	Douglas Parking Company	8/22/1997	1.22E+08	37806443	1	1S/4W 35B	0	0	OAK	5/96	26	30	17	2	MON		
		1S/4W	35B 4	1721 Webster St	Oakland	Douglas Parking Company	8/22/1997	1.22E+08	37806443	1	1S/4W 35B	0	0	OAK	5/96	22	25	15	2	MON		
1		1S/4W	35B 2	1736 Franklin St	Oakland	John Toothman	7/18/1997	1.22E+08	37807044	1	1S/4W 35B	0	0	OAK	4/95	0	35	0	2	MON		
3	95619	1S/4W	35B 8	1519 Franklin St	Oakland	Pacific Bell	2/4/1998	1.22E+08	37805828	1	1S/4W 35B	0	0	OAK	9/95	0	35	21	2	MON		
4		1S/4W	35B	17th Street & Broadway	Oakland	Portfolio Properties	7/18/1990	1.22E+08	37807300	0	1S/4W 35B	566	0	OAK	Dec-89	0	0	24	5	BOR*		
		1S/4W	35B 1	ALICE & 15TH STS.	Oakland	WSTLK CHRSTN TERRACE	12/12/1984	1.22E+08	37805916	9	1S/4W 35B	2612	0	OAK	7/77	0	0	0	0	GEO*		

Table 1 - 1721 Webster Street Well Survey Results Table

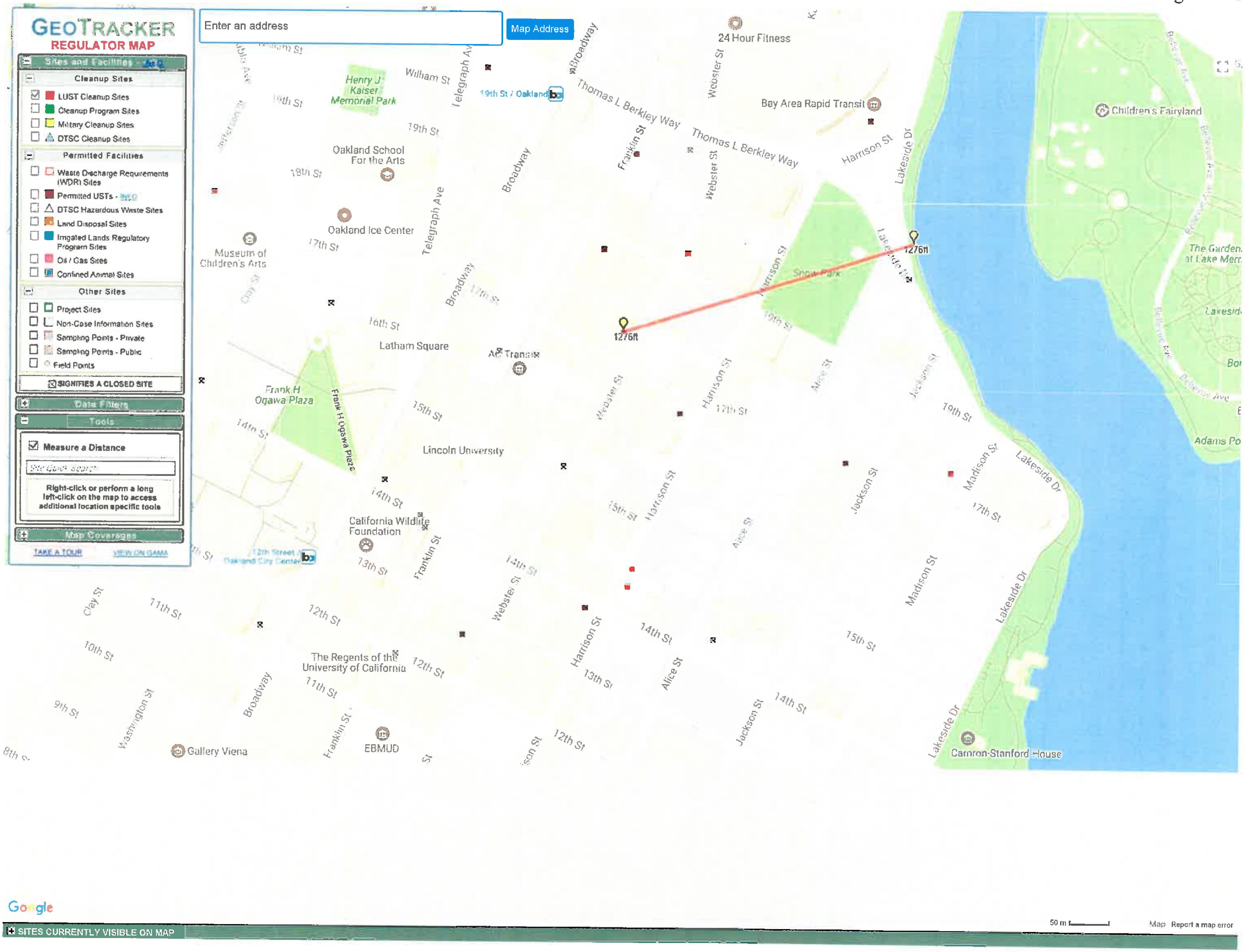


Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Subsurface Utility Map

FIGURE
14


GEOTRACKER
REGULATOR MAP
Enter an address
Map Address
Cleanup Sites
LUST Cleanup Sites
Cleanup Program Sites
Military Cleanup Sites
DTSC Cleanup Sites
Permitted Facilities
Waste Discharge Requirements (WDR) Sites
Permitted USTs
DTSC Hazardous Waste Sites
Land Disposal Sites
Irrigated Lands Regulatory Program Sites
Oil / Gas Sites
Confined Animal Sites
Other Sites
Project Sites
Non-Case Information Sites
Sampling Points - Private
Sampling Points - Public
Field Points
SIGNIFIES A CLOSED SITE
Tools
Measure a Distance
Right-click or perform a long left-click on the map to access additional location specific tools
TAKE A TOUR
VIEW ON GAMA
24 Hour Fitness
Bay Area Rapid Transit
Children's Fairyland
Thomas L Berkley Way
Harrison St
Lakeside Dr
1276ft
Snow Park
Oakland School For the Arts
Oakland Ice Center
Museum of Children's Arts
Latham Square
Frank H Ogawa Plaza
Lincoln University
California Wildlife Foundation
The Regents of the University of California
EBMUD
Gallery Viena
Camron-Stanford House
Adams Po
Telegraph Ave
Broadway
Webster St
Franklin St
Jackson St
Madison St
Alice St
14th St
15th St
17th St
19th St
Google
SITES CURRENTLY VISIBLE ON MAP
50 m
Map
Report a map error