ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

December 12, 2014

Ms. Carryl MacLeod
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
San Ramon, CA 94583
(Sent via electronic mail to:
cmacleod@chevron.com)

Mr. Patrick Elwood
College Square Associates
1345 Grand Avenue
Piedmont, CA 94611

Mr. Donald Sweet
San Francisco Property Mgmt Co.
155 Jefferson Street, #4
San Francisco, CA 94133

Russell Flynn and Norman Buckhart
2960 Van Ness Avenue
San Francisco, CA 94109

Patrick Ellwood, Richard Clancy, and E. Claire
670 Vernon Street, Apt 402
Oakland, CA 94610

A.M. Wolff, Robert Bonne, and Kenneth Cook
Address Unknown

A.M. Wolff, Irma and Anton Bley, and Kenneth Cook
Address Unknown

College Square Partnership
Address Unknown

Subject: Case Closure for Fuel Leak Case No. RO0000466 and Geotracker Global ID T06019752694, Chevron #20-9339, 5940 College Avenue, Oakland, CA 94618

Dear Ladies and Gentlemen:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

Dilan Roe, P.E.
LOP and SCP Program Manager

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

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

December 12, 2014

Ms. Carryl MacLeod
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
San Ramon, CA 94583
(Sent via electronic mail to:
cmacleod@chevron.com)

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Subject: Case Closure for Fuel Leak Case No. RO0000466 and Geotracker Global ID T06019752694, Chevron #20-9339, 5940 College Avenue, Oakland, CA 94618

Dear Ladies and Gentlemen:

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,

Ariu Levi
Director

Cc w/enc.: Greg Barclay, Conestoga-Rovers & Associates, 10969 Trade Center Drive, Suite 107, Rancho Cordova, CA 95670; (sent via electronic mail to: GBarclay@CRAworld.com)

Brian Silva, Conestoga-Rovers & Associates, 10969 Trade Center Drive, Suite 107, Rancho Cordova, CA 95670; (sent via electronic mail to: BSilva@CRAworld.com)

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Suite 3341, Oakland, CA 94612-2032 (sent via electronic mail to lgriffin@oaklandnet.com)

Gopakumar Nair, City of Oakland Public Works, 250 Frank H. Ogawa Plaza, Suite 4314, Oakland, CA 94612; (sent via electronic mail to gnair@oaklandnet.com)

Mark Arniola, City of Oakland Public Works, 250 Frank H. Ogawa Plaza, Suite 5301, Oakland, CA 94612; (sent via electronic mail to marniola@oaklandnet.com)

Case Worker (sent via electronic mail to mark.detterman@acgov.org)
eFile, GeoTracker

Agency Information Date: December 12, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Staff Person: Mark Detterman	Title: Senior Hazardous Materials Specialist

Case Information

Facility Name: Chevron #20-9339		
Facility Address: 5940 College Avenue, Oakland, CA 94618		
RB LUSTIS Case No: ----	Local Case No.: ---	LOP Case No.: RO0000466
URF Filing Date: ----	GeoTracker Global ID: T06019752694	
APN: 14-1266-48	Current Land Use: Commercial	
Responsible Party(s):	Address:	Phone:
Chevron Environmental Management Co. c/o Ms. Carryl MacLeod	6101 Bollinger Canyon Road San Ramon, CA 94583	(925) 790-6506
College Square Associates c/o Mr. Patrick Elwood	1345 Grand Avenue Piedmont, CA 94611	---
San Francisco Property Management Co. c/o Mr. Donald Sweet	155 Jefferson Street, #4 San Francisco, CA 94133	----
Russell Flynn and Norman Buckhart	2960 Van Ness Avenue San Francisco, CA 94109	----
Patrick Ellwood, Richard Clancy, and E. Claire	670 Vernon Street, Apt 402 Oakland, CA 94610	----

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
1	Unknown	Unknown (Gasoline)	Removed	Unknown
2	Unknown	Unknown (Gasoline)	Removed	Unknown
3	Unknown	Unknown (Gasoline)	Removed	Unknown
4	Unknown	Unknown (Gasoline)	Removed	Unknown

Conceptual Site Model (Attachment 1, 1 page)

Closure Criteria Met (Attachment 2, 1 pages)

LTCP Groundwater Specific Criteria (Attachment 3, 1 page)

LTCP Vapor Specific Criteria (Attachment 4, 1 page)

LTCP Direct Contact and Outdoor Air Exposure Criteria (Attachment 5, 1 page)

Optional Site Maps (Attachment 6, 11 pages)

Analytical Data (Attachment 7, 13 pages)

Additional Information:

Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary. However, excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

RWQCB Notification Notification Date: June 13, 2014

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Mark Detterman	Title: Senior Hazardous Materials Specialist
Signature: Mark E.	Date: Dec 12, 2014
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 12/12/2014

This Case Closure Summary along with the Case Closure Transmittal letter and 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. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) 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). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

ATTACHMENT 1

LTCP Checklist Go

GEOTRACKER HOME | MANAGE PROJECTS | REPORTS | SEARCH | LOGOUT

CHEVRON #20-9339 / COLLEGE SQUARE (T06019752694) - MAP THIS SITE — OPEN - ELIGIBLE FOR CLOSURE

5940 COLLEGE AVENUE
OAKLAND , CA 94618
ALAMEDA COUNTY

ACTIVITIES REPORT
PUBLIC WEBPAGE

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000466
CASEWORKER: MARK DETTERMAN - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA

THIS PROJECT WAS LAST MODIFIED BY MARK DETTERMAN ON 6/15/2014 1:48:13 PM - HISTORY

THIS SITE HAS SUBMITTALS. CLICK HERE TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 6/15/2014 — CHECKLIST INITIATED ON 2/8/2013 — 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
1.2 - The contaminant plume that exceeds water quality objectives is <250 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 concentration of benzene is <3,000 µg/L. The dissolved concentration of MTBE is <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
2c - Petroleum Vapor Intrusion to Indoor Air - The regulatory agency has determined petroleum vapors migrating from soil or groundwater 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.	• 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
3.1 - 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 13/14?	• YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

LOGGED IN AS MARKDETT — CONTACT GEOTRACKER HELP

ATTACHMENT 2

CSM Report Go

GEOTRACKER HOME | MANAGE PROJECTS | REPORTS | SEARCH | LOGOUT

CHEVRON #20-9339 / COLLEGE SQUARE (T06019752694) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

5940 COLLEGE AVENUE
OAKLAND , CA 94618
ALAMEDA COUNTY

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT

PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000466*
CASEWORKER: MARK DETTERMAN - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: NA*

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY *MARK DETTERMAN* ON 12/12/2014 11:09:55 AM - HISTORY

THIS SITE HAS SUBMITTALS. CLICK HERE TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CSM REPORT - VIEW PUBLIC NOTICING VERSION OF THIS REPORT

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	FIVE YEAR REVIEW INFORMATION: REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
CHEVRON #20-9339 / COLLEGE SQUARE (Global ID: T06019752694) 5940 COLLEGE AVENUE OAKLAND, CA 94618	Open - Eligible for Closure	6/15/2014	9/10/1999	15	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000466* *CASEWORKER: MARK DETTERMAN - SUPERVISOR: DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: NA*

STAFF NOTES (INTERNAL)
Not all historic documents for the fuel leak case may be available on GeoTracker. A complete case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

SITE HISTORY
Not all historic documents for the fuel leak case may be available on GeoTracker. A complete case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

The site was a former service station between 1938 and 1968. The site is the current location of a multi-story building built in 1979. After closure of the historic service station at the subject site, surficial soil was excavated and the site was redeveloped at a depth of 4 to 6 feet below the surrounding grade surface. Four soil bores were installed in August and September 1999. Grab groundwater was collected and indicated a release had occurred at the site. Wells MW-1 and MW-2 were installed in December 2000. An additional soil bore was installed in October 2013 in the reported UST complex to determine if the secondary source had been removed. Two sub-slab vapor points were also installed to determine if the risk of vapor intrusion was present at the site, due to the earlier removal of 4 to 6 feet of soil. The October 2013 investigation did not find contaminate levels of concern under the Low Threat Closure Policy. The site is immediately adjacent (upgradient) to another case, and the potential for some commingling of the plumes may be present; however, concentrations in groundwater for the subject site are an order of magnitude lower than the adjacent downgradient site and are stable and decreasing.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
A.M. WOLFF, IRMA & ANTON BLEY, & KENNETH COOK	N/A	UNKNOWN	UNKNOWN	
A.M. WOLFF, ROBERT BONNE, & KENNETH COOK	N/A	UNKNOWN	UNKNOWN	
CARRYL MACLEOD	Chevron Environmental Management Company	6101 BOLLINGER CANYON ROAD SR6101/5213	SAN RAMON	cmacleod@chevron.com
DONALD STEWART	SAN FRANCISCO PROPERTY MANAGEMENT CO	1 JEFFERSON STREET #4	SAN FRANCISCO	
N/A	COLLEGE SQUARE PARTNERSHIP	UNKNOWN	UNKNOWN	
PATRICK ELLWOOD	COLLEGE SQUARE ASSOCIATES	1345 GRAND AVENUE	PIEDMONT	
PATRICK ELLWOOD, RICHARD CLANCY, & E. CLAIRE	N/A	670 VERNON STREET APT 402	OAKLAND	
RUSSELL FLYNN & NORMAN BUCKHART	N/A	2960 VAN NESS AVENUE	SAN FRANCISCO	

CLEANUP ACTION INFO

NO CLEANUP ACTIONS HAVE BEEN REPORTED

RISK INFORMATION

VIEW LTCP CHECKLIST | VIEW PATH TO CLOSURE PLAN | VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Benzene, Gasoline	Commercial	GW - Municipal and Domestic Supply	Other	9/10/1999	Close and Remove Tank	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	NO	EBMUD	6/13/2014	11/19/2014	4/15/2014		

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
No APN Found	Santa Clara Valley - East Bay Plain (2-9.04)	Bay Bridges - Berkeley (20330)

COUNTY	PUBLIC WATER SYSTEM(S)
Alameda	• EAST BAY MUD - 375 ELEVENTH STREET, OAKLAND, CA 94607

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - HIDE

VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
MW-1	10/12/2012	OTHER	ND	ND	ND	ND		
MW-2	10/12/2012	OTHER	ND	ND	ND	ND		
QA	10/14/2010	OTHER	ND	ND	ND	ND		
QCTB	10/12/2012	OTHER	ND	ND	ND	ND		

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - HIDE

VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
SB5	10/30/2013		ND	ND	ND	ND	ND	

MOST RECENT GEO_WELL DATA - HIDE

VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	DEPTH TO WATER (FT)	SHEEN	DEPTH TO FREE PRODUCT (FT)
MW-1	10/12/2012	12.86	N	
MW-2	10/12/2012	12.01	N	

LOGGED IN AS MARKDETT

CONTACT GEOTRACKER HELP

ATTACHMENT 3
LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed: Scenario 2

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	<250 feet	<100 feet	**<250 feet**	**<250 feet**	<1,000 feet
Free Product	No free product.	**No free product**	**No free product**	Removed to maximum extent practicable	**No free product**
Plume Stable or Decreasing	Stable and decreasing	**Stable or decreasing**	**Stable or decreasing**	**Stable or decreasing for minimum of 5 Years**	**Stable or decreasing**
Distance to Nearest Water Supply Well	> 1,400 feet	>250 feet	**>1,000 feet**	**>1,000 feet**	**>1,000 feet**
Distance to Nearest Surface Water and Direction	2,500 feet downgradient	>250 feet	**>1,000 feet**	**>1,000 feet**	**>1,000 feet**
Property Owner Willing to Accept a Land Use Restriction?	Not applicable.	**Not applicable**	**Not applicable**	Yes	**Not applicable**

GROUNDWATER CONCENTRATIONS

Constituent	Historic Site Maximum (µg/L)	Current Site Maximum (µg/L)	LTCP Scenario 1 Criteria (µg/L)	LTCP Scenario 2 Criteria (µg/L)	LTCP Scenario 3 Criteria (µg/L)	LTCP Scenario 4 Criteria (µg/L)
Benzene	3,200	0.5	No criteria	**<3,000**	No criteria	<1,000
MTBE	150	<2.0	No criteria	**<1,000**	No criteria	<1,000

Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?	----

Comments: The closest open body of water is the Broadway Branch of Glenn Echo Creek at an approximate distance of 2,500 feet downgradient of the site.

Using the water well survey results from the GeoTracker Groundwater Ambient Monitoring Assessment (GAMA) tool indicates no public water supply wells, no Calif. Dept. of Public Health (CDPH), no Dept. Pesticide Regulation (DPR), and no Dept. of Water Resources (DWR) water wells within a 2,000 foot radius.

Using the Alameda County Public Works Agency (ACPWA) resources for water wells indicates the closest water supply well to the subject site is approximately 1,430 feet to the southeast. This appears to be seasonally downgradient and is over ¼-mile from the site. No other wells, including cathodic protection wells, are present within ½-mile of the site. Based on the extent of the plume, the well is not expected to be a receptor for the site.

The site is immediately adjacent (upgradient) to another case, and the potential for some commingling of the plumes may be present; however, concentrations in well MW-2 appear to be stable and decreasing and are an order of magnitude below the adjacent downgradient site.

ATTACHMENT 4
LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: This case should be closed in spite of not meeting the vapor specific media criteria.

Active Fueling Station	Active as of Not applicable (commercial)

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered LNAPL	No LNAPL	**LNAPL in groundwater**	**LNAPL in soil**	**No LNAPL**	**No LNAPL**	**No LNAPL**	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	< 5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Soil in Bioattenuation Zone	< 100 mg/kg	**<100 mg/kg**	**<100 mg/kg**	**<100 mg/kg**	**<100 mg/kg**	**<100 mg/kg**	**<100 mg/kg**
Maximum Current Benzene Concentration in Groundwater	< 0.5 µg/L	**No criteria**	**No criteria**	**<100 µg/L**	**≥100 and <1,000 µg/L**	**<1,000 µg/L**	**No criteria**
Oxygen Data within Bioattenuation Zone	No oxygen data	**No criteria**	**No criteria**	**No oxygen data or <4%**	**No oxygen data or <4%**	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	Not Applicable	**No criteria**	**No criteria**	**No criteria**	**No criteria**	**No criteria**	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SUB-SLAB VAPOR CONCENTRATIONS

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum (µg/m^3)	Current Maximum (µg/m^3)	Residential	Commercial	Residential	Commercial
Benzene	0.75	0.75	<85	<280	<85,000	<280,000
Ethylbenzene	0.87	0.87	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	6.0	6.0	<93	<310	<93,000	<310,000

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?	----
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health?	Yes

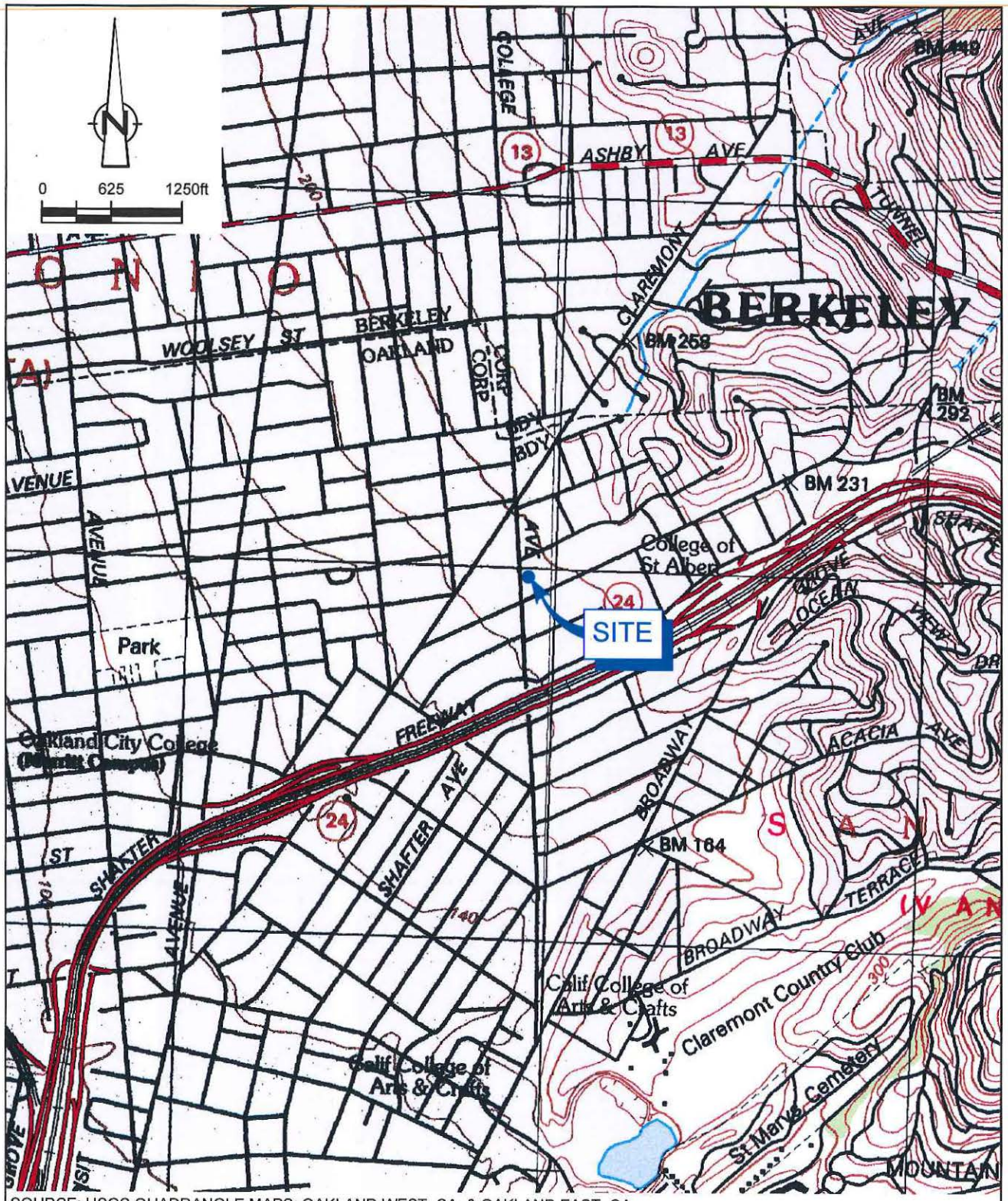
Comments: After closure of the historic service station at the subject site, surficial soil was excavated and the site was redeveloped at a depth of 4 to 6 feet below the surrounding grade surface. Groundwater is less than 5 feet below the new site grade surface and soil gas samples could not consequently be obtained at 5 feet below the foundation of the existing building. Therefore, sub-slab vapor samples were collected. There are no published sub-slab vapor sample Environmental Screening Levels (ESLs). However, using commercial indoor air ESLs with a default Department of Toxic Substances Control (DTSC) concrete slab attenuation factor of 0.05, sub-slab ESLs were calculated. The sub-slab vapor concentrations cited above for each chemical of concern are below the calculated sub-slab vapor ESLs of 8.4 µg/m^3 for benzene, 98 µg/m^3 for ethylbenzene, and 7.2 µg/m^3 naphthalene.

ATTACHMENT 5
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below.

Are maximum concentrations less than those in Table 1 below?		Yes				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	**<0.005**	**<0.005**	<0.005	<0.005	<0.005
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	**0.0054**	**0.0054**	0.0054	0.0054	0.0054
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	**<0.003**	**<0.003**	<0.003	<0.003	<0.003
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?		----				
If maximum concentrations are greater than those in Table 1, has a determination been made that the 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 controls?		----				
Comments: Analysis for PAHs is not required for sites without a reported waste oil UST.						

ATTACHMENT 6

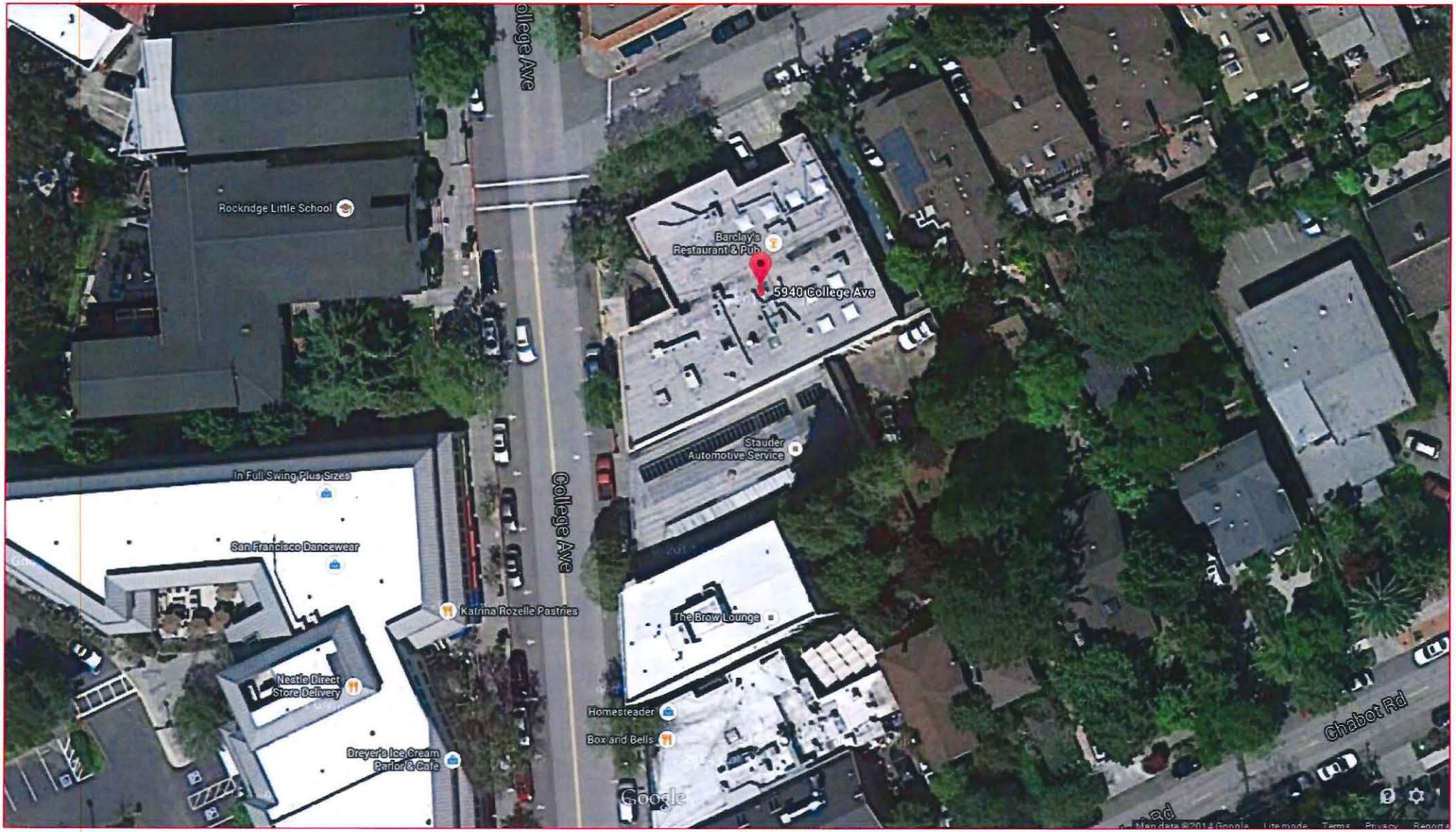


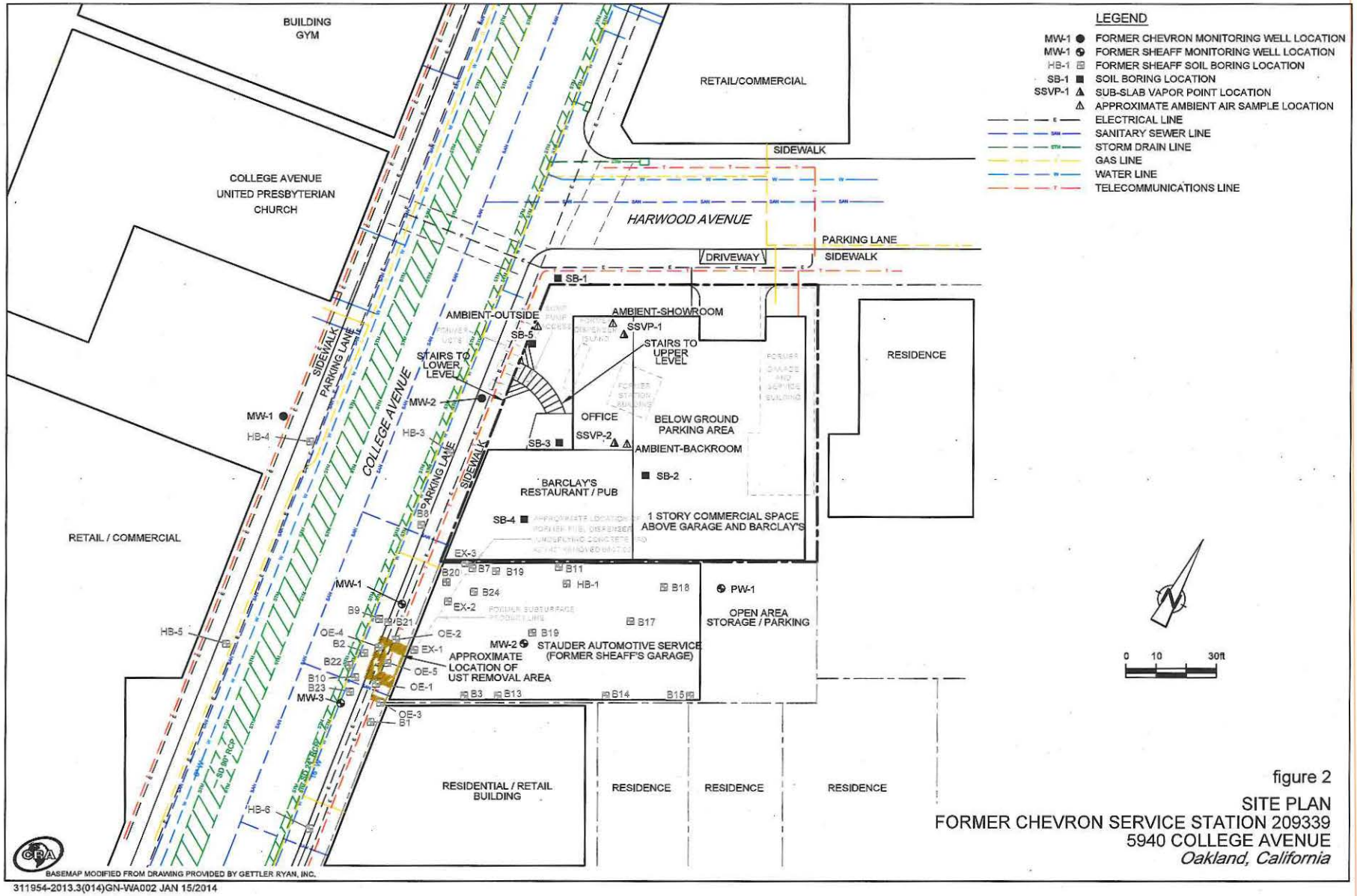
SOURCE: USGS QUADRANGLE MAPS: OAKLAND WEST, CA. & OAKLAND EAST, CA.

figure 1

VICINITY MAP
FORMER CHEVRON SERVICE STATION 209339
5940 COLLEGE AVENUE
Oakland, California

311954-2013.3(014)GN-WA001 DEC 12/2013


College Ave
Rockridge Little School
Barclay's Restaurant & Pub
5940 College Ave
Stauder Automotive Service
In Full Swing Plus Sizes
San Francisco Dancewear
Katrina Rozelle Pastries
Nestle Direct Store Delivery
Dreyer's Ice Cream Parlor & Cafe
College Ave
The Brow Lounge
Homesteader
Box and Bells
Chabot Rd
Google



311954-2013.3(014)GN-WA002 JAN 15/2014

figure 2

SITE PLAN
FORMER CHEVRON SERVICE STATION 209339
5940 COLLEGE AVENUE
Oakland, California

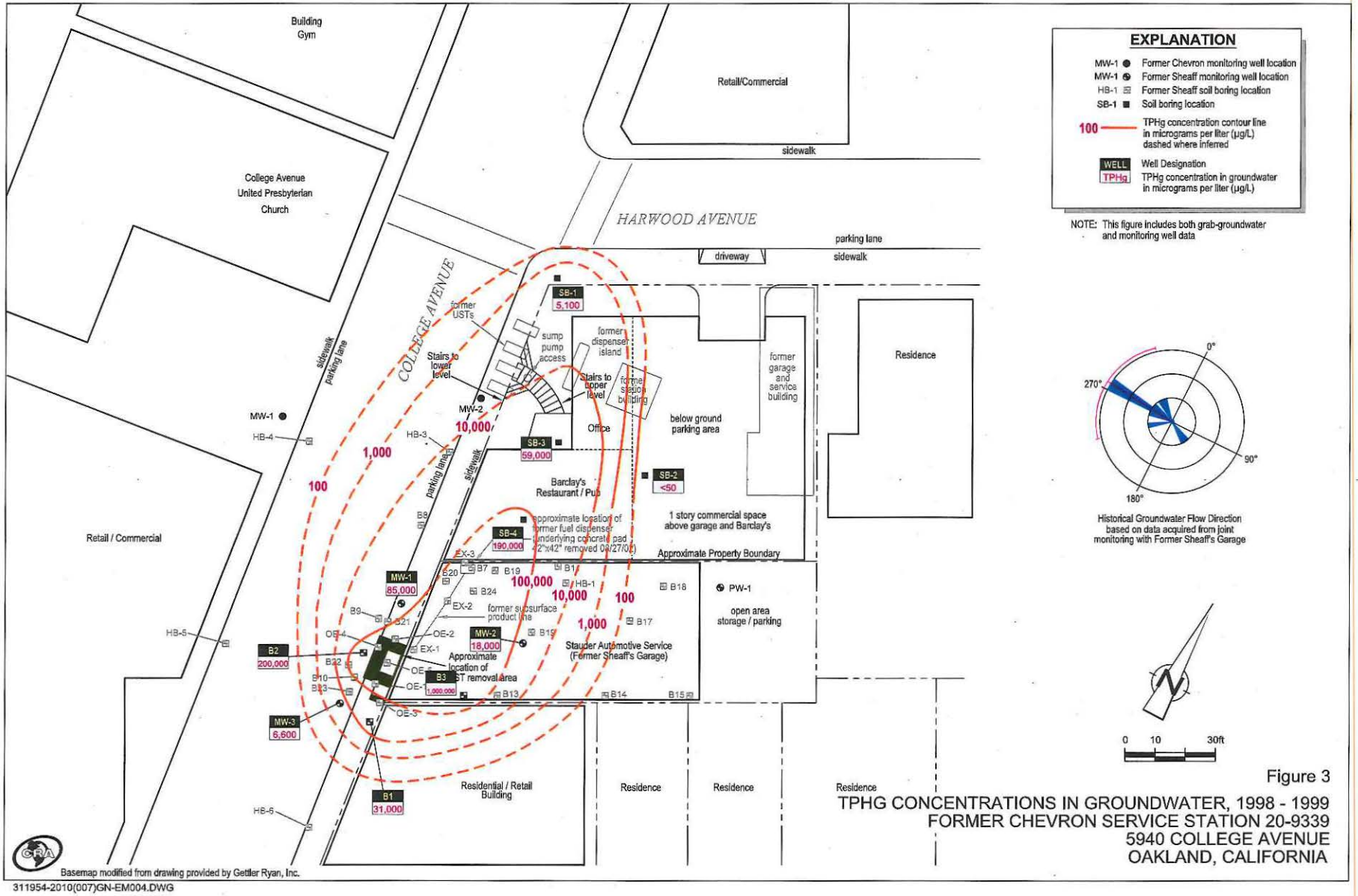


Figure 3

TPHG CONCENTRATIONS IN GROUNDWATER, 1998 - 1999
FORMER CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

Basemap modified from drawing provided by Getler Ryan, Inc.

311954-2010(007)GN-EM004.DWG

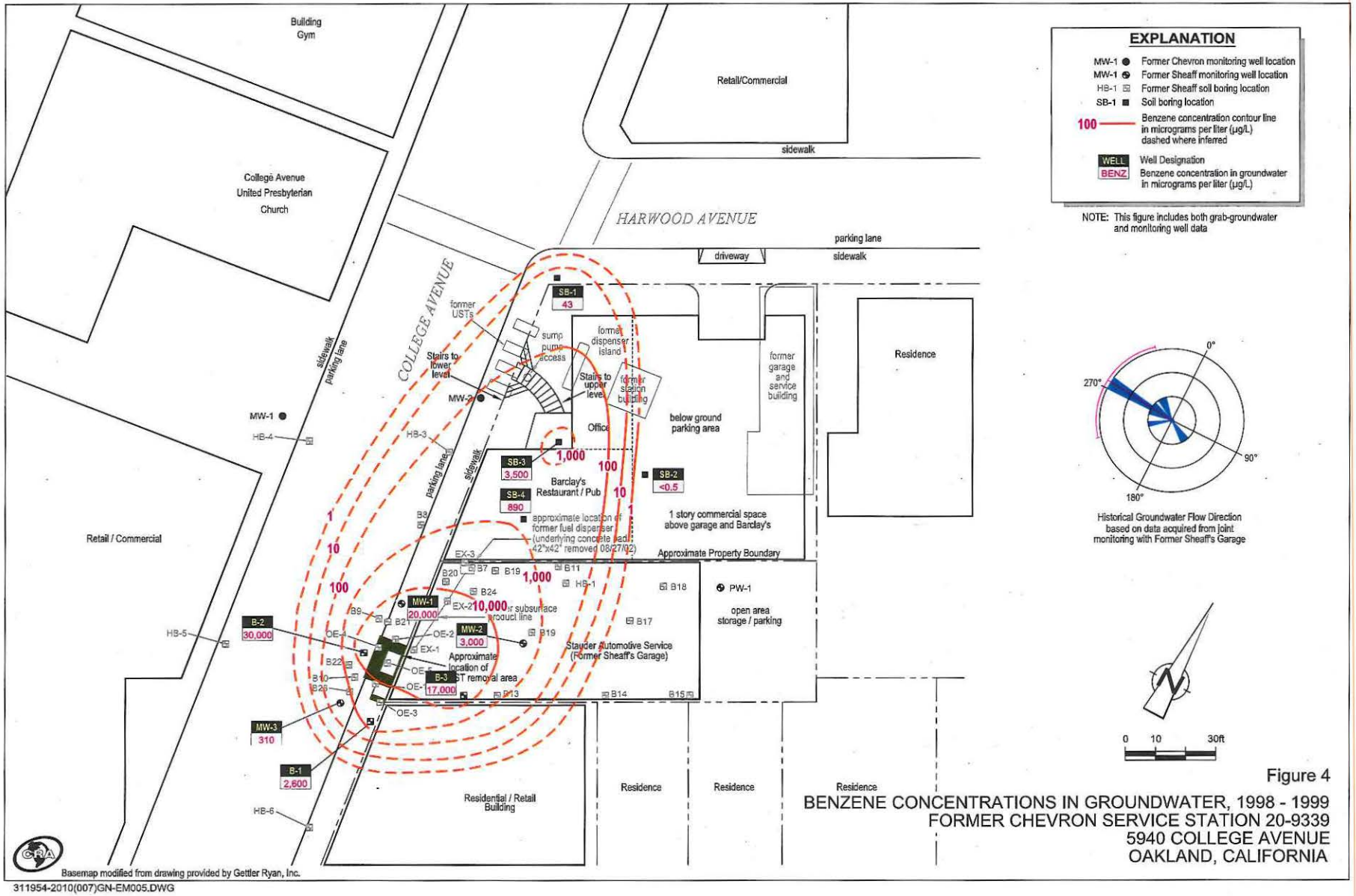
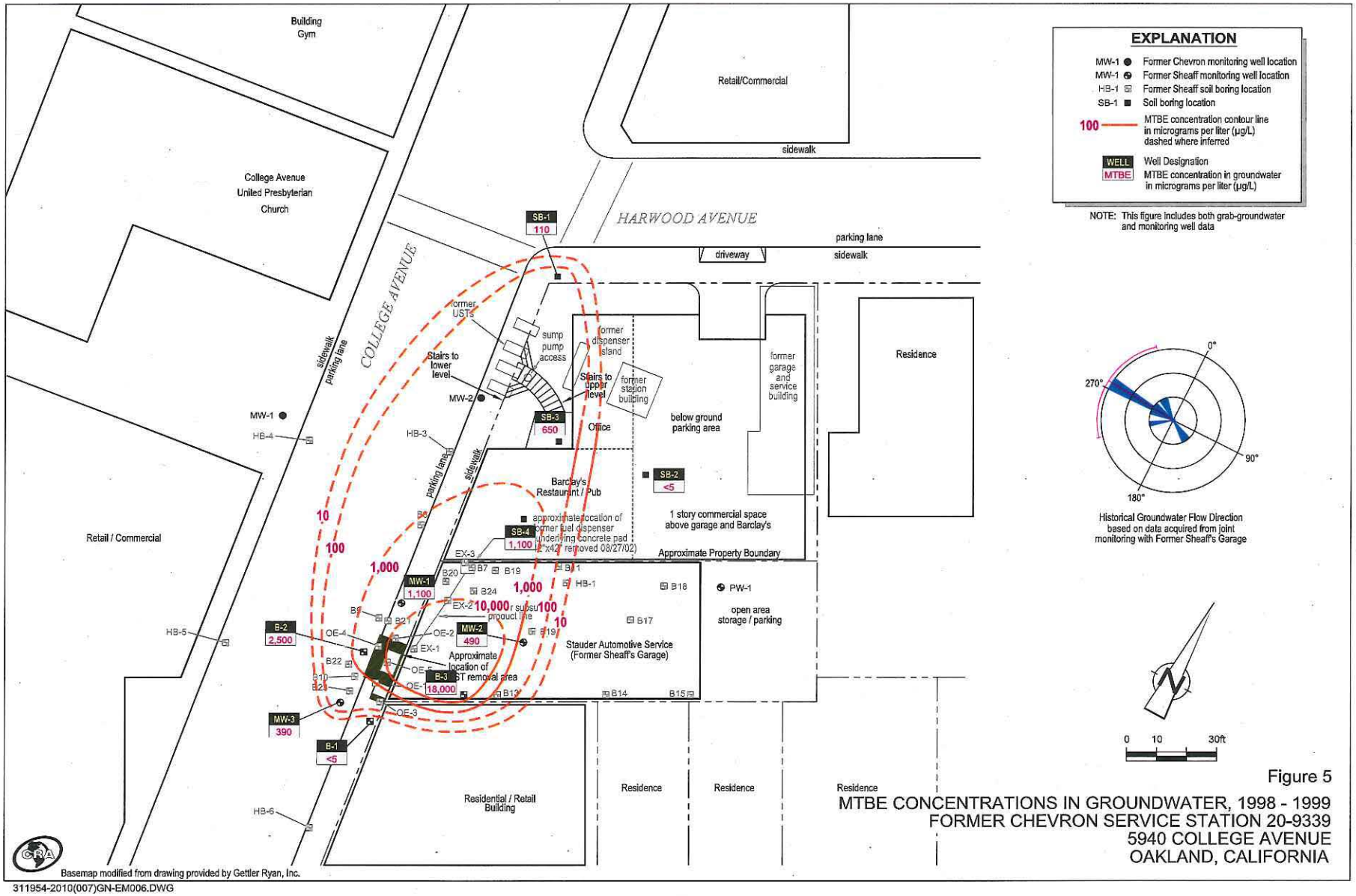


Figure 4

BENZENE CONCENTRATIONS IN GROUNDWATER, 1998 - 1999
FORMER CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA



Basemap modified from drawing provided by Gettler Ryan, Inc.

311954-2010(007)GN-EM006.DWG

Figure 5

MTBE CONCENTRATIONS IN GROUNDWATER, 1998 - 1999
FORMER CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

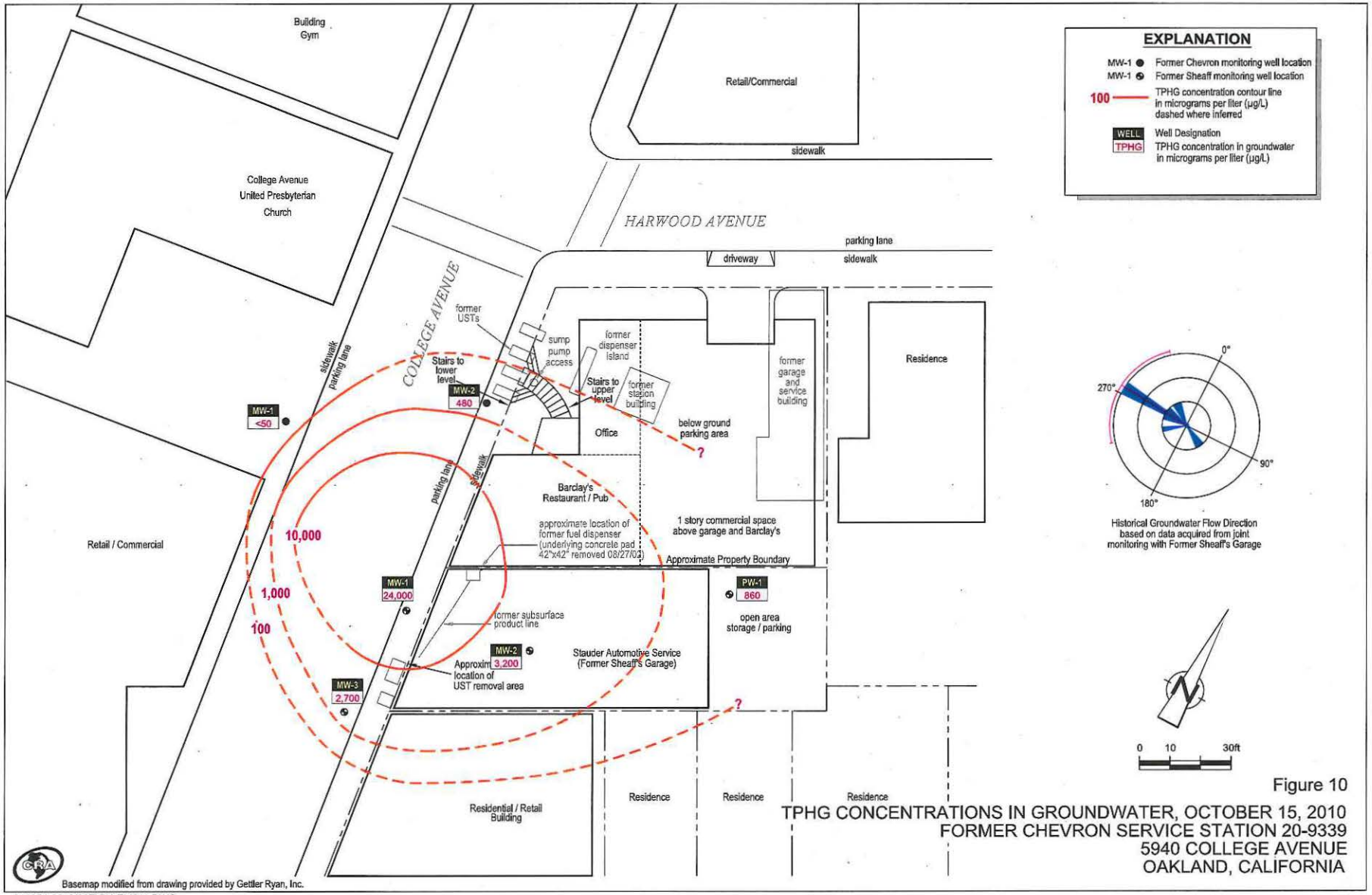


Figure 10

TPHG CONCENTRATIONS IN GROUNDWATER, OCTOBER 15, 2010
FORMER CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

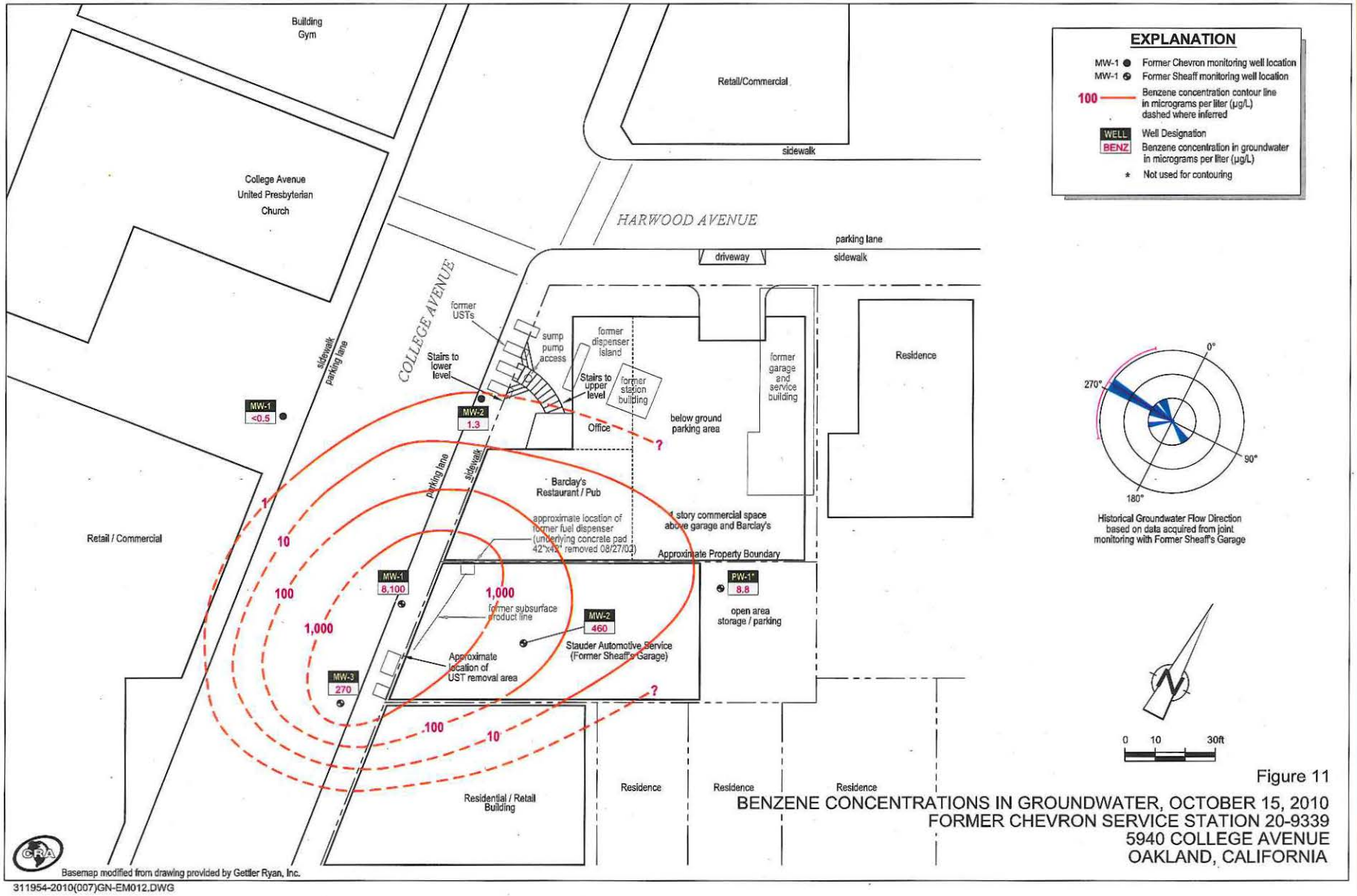
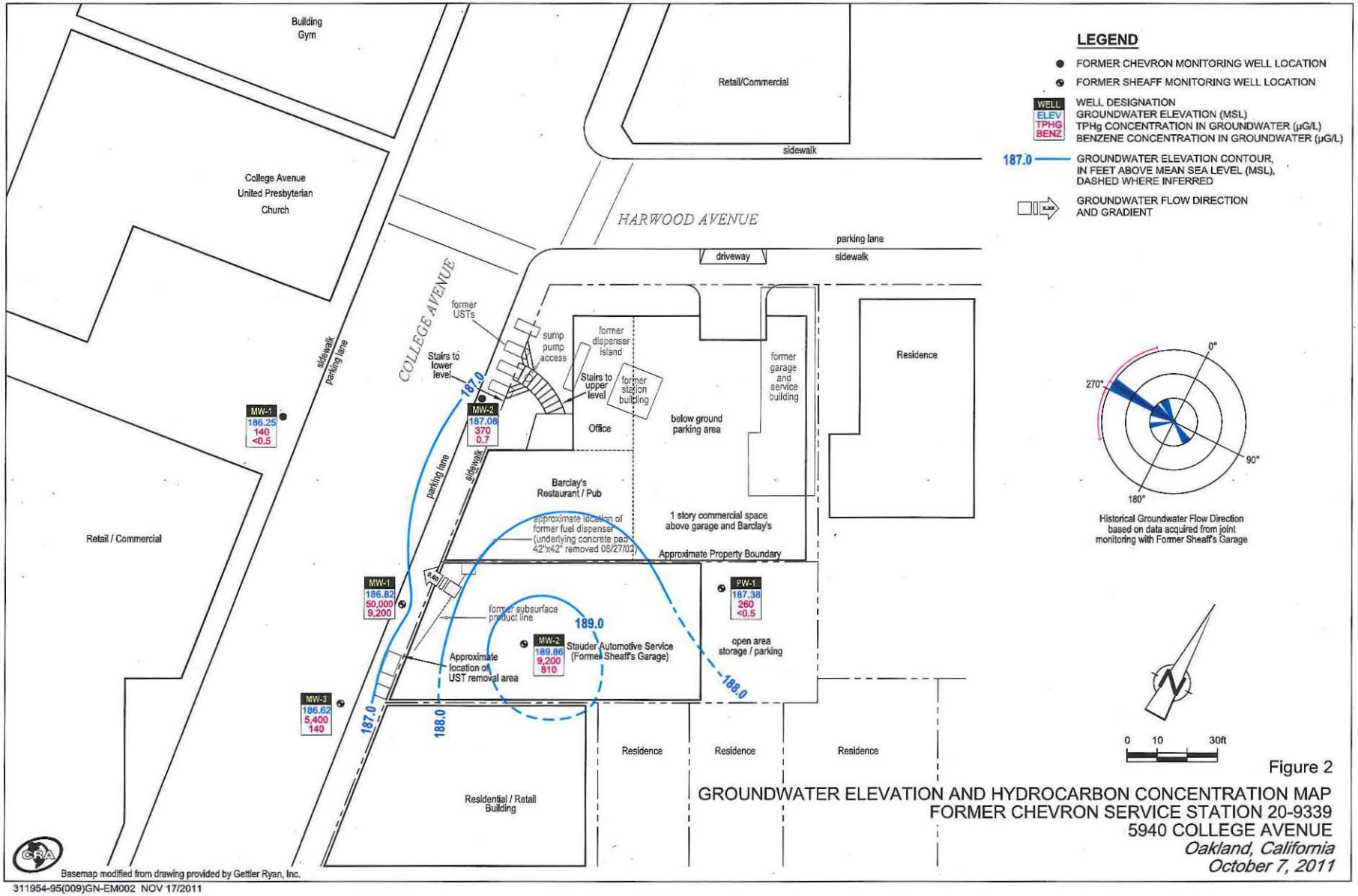


Figure 11

BENZENE CONCENTRATIONS IN GROUNDWATER, OCTOBER 15, 2010
FORMER CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

Basemap modified from drawing provided by Gettler Ryan, Inc.

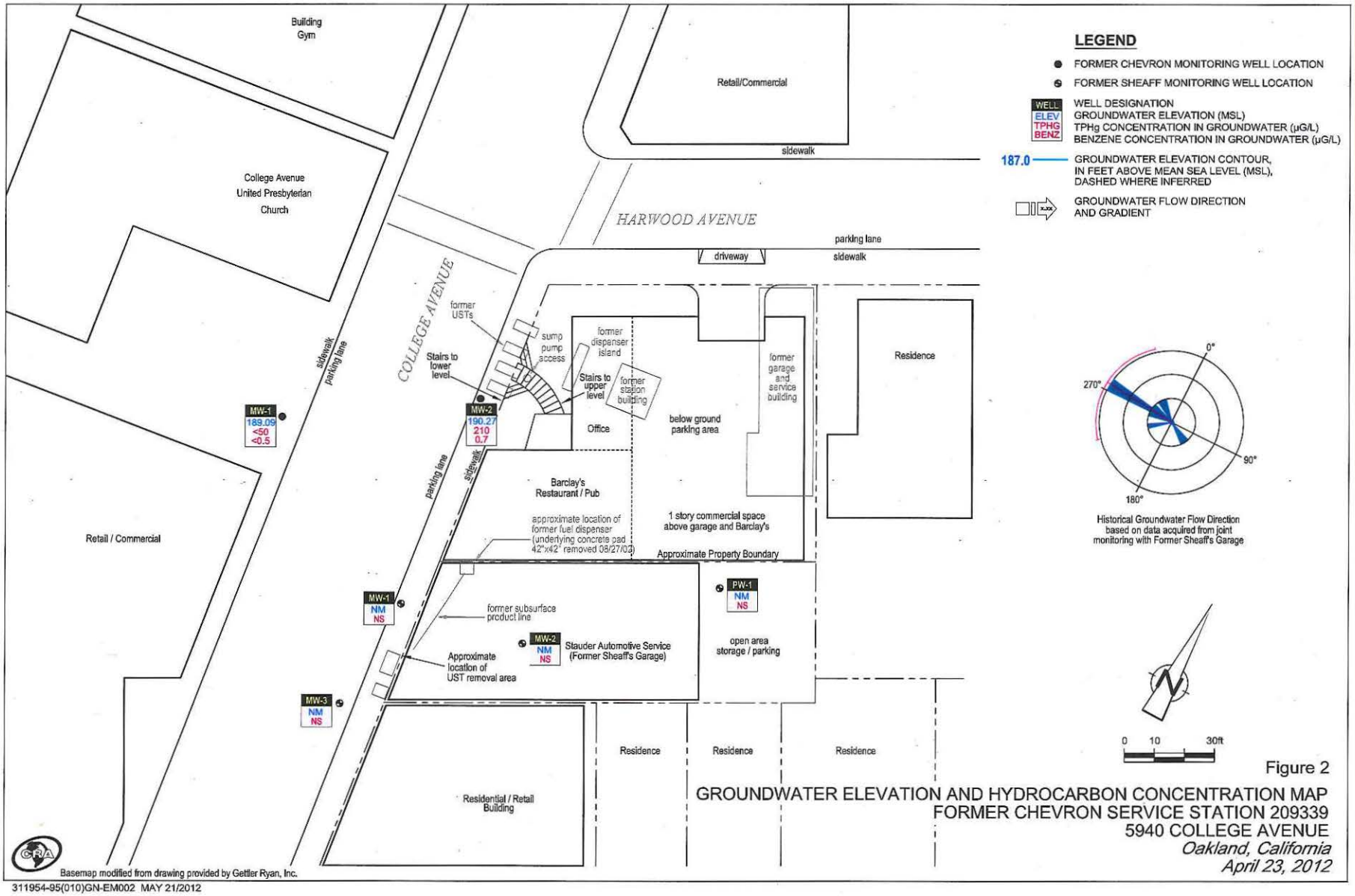
311954-2010(007)GN-EM012.DWG



311954-95(009)GN-EM002 NOV 17/2011

Figure 2

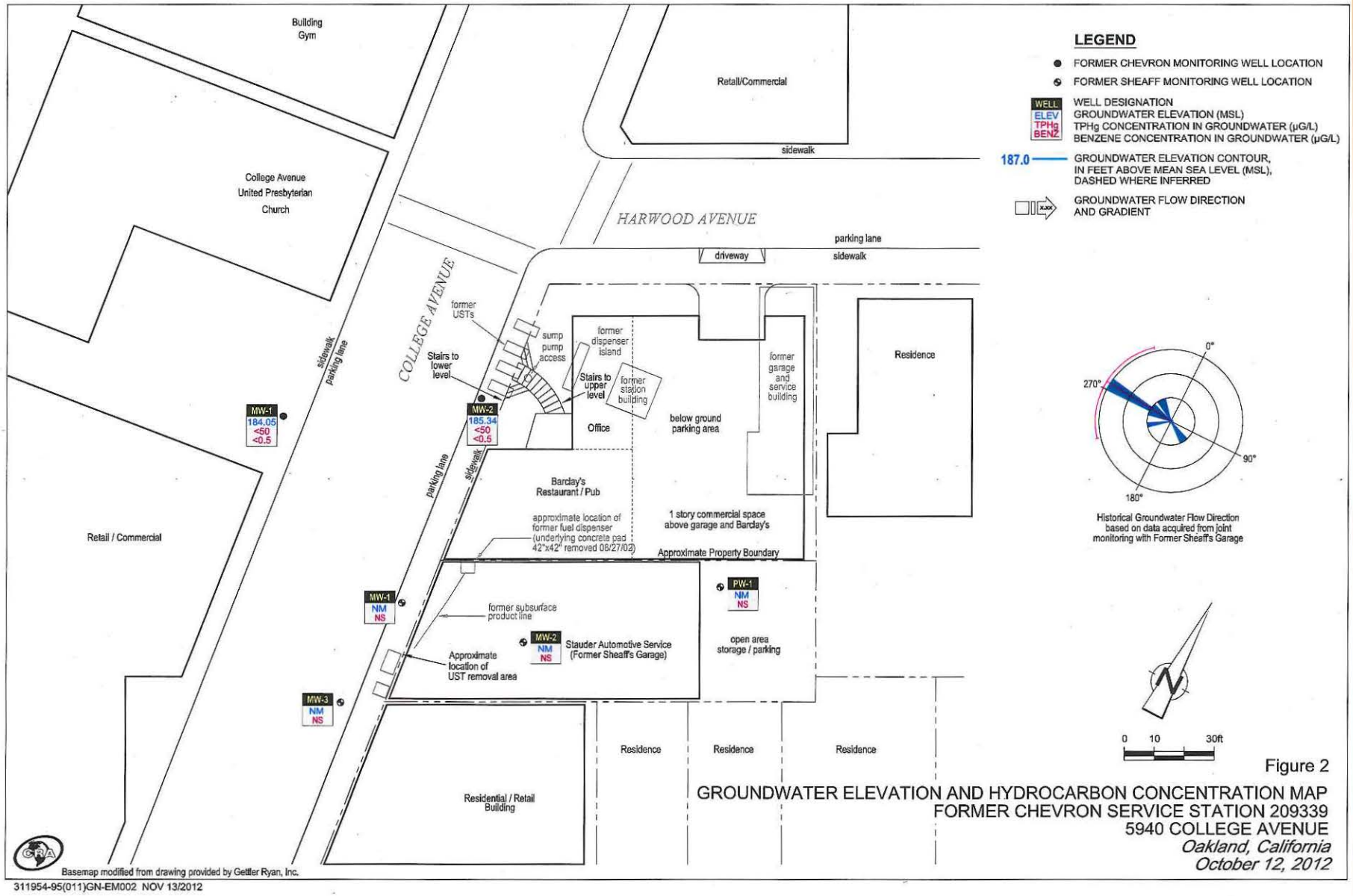
GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
Oakland, California
October 7, 2011



311954-95(010)GN-EM002 MAY 21/2012

Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER CHEVRON SERVICE STATION 209339
5940 COLLEGE AVENUE
Oakland, California
April 23, 2012



311954-95(011)GN-EM002 NOV 13/2012

Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER CHEVRON SERVICE STATION 209339
5940 COLLEGE AVENUE
Oakland, California
October 12, 2012

ATTACHMENT 7

TABLE 1

SOIL ANALYTICAL RESULTS
FORMER CHEVRON 209339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

Location	Depth (fbg)	Date	TPHs		VOCs					SVOCs
			TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl Tert Butyl Ether	Naphthalene
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MW-1-4.5	4.5	12/06/2000	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.05	--
MW-1-9.5	9.5	12/06/2000	<1.0	--	<0.005	<0.005	<0.005	<0.005	<0.05	--
MW-2-4.5	4.5	12/06/2000	<1.0	--	<0.005	***0.0062***	***0.0054***	***0.021***	***<0.05***	--
SB5-S-2.5-131030 Grab Soil	2.5	10/30/2013	<1.0	<4.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.003
SB5-S-5-131030 Grab Soil	5	10/30/2013	<1	<4.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.003

Abbreviations and Notes:

TPHg = total petroleum hydrocarbons as gasoline

TPHd = total petroleum hydrocarbons as diesel

<n = below detection limit

TPH = total petroleum hydrocarbons

VOCs = volatile organic compounds

SVOCs = semi-volatile organic compounds

fbg = feet below grade

mg/kg = milligrams per kilogram

-- = Not analyzed

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339

5940 College Avenue

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1									
01/03/01	196.91	12.75	184.16	930[1]	2.9	6.9	2.7	7.6	14/<2.0[3]
04/25/01	196.91	9.23	187.68	210[4]	2.0	1.5	2.0	3.3	5.3/<2.0[3]
07/09/01	196.91	11.86	185.05	290[5]	1.8	2.0	2.5	0.96	<2.5
06/08/00	196.91	13.49	183.42	200	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	196.91	7.33	189.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/08/02	196.91	7.45	189.46	670	<0.50	<2.0	<1.0	5.6	<2.5
10/15/02	196.91	13.68	183.23	260	0.62	0.82	<0.50	<1.5	--
04/15/03	196.91	6.82	190.09	1,700	1.3	<5.0	<2.0	<5.0	--
10/31/03	196.91	13.72	183.19	150	<2.0	0.7	<2.0	<5.0	--
04/23/04	196.91	9.02	187.89	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/04	196.91	11.50	185.41	63	<0.5	<0.5	<0.5	<1.5	--
04/14/05	196.91	7.11	189.80	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/05	196.91	11.90	185.01	160	<0.5	<0.5	0.6	<5.0	--
04/14/06	196.91	6.95	189.96	<50	<0.5	<0.5	<0.5	<1.5	--
10/26/06	196.91	11.68	185.23	<50	<0.5	<0.5	<0.5	<1.5	--
04/13/07[6]	196.91	10.71	186.20	1,200	3.4	<5.0	2.1	<20	--
10/22/07	196.91	13.75	183.16	<50	<0.5	<0.5	<0.5	<1.5	--
04/21/08	196.91	9.95	186.96	120	<0.5	<0.5	<0.5	<1.5	--
10/15/08	196.91	14.30	182.61	<50	<0.5	<0.5	<0.5	<1.5	--
04/15/09	196.91	9.20	187.71	<50	<0.5	<0.5	<0.5	<1.5	--
10/01/09	196.91	14.26	182.65	<50	<0.5	<0.5	<0.5	<1.5	--
04/12/10	196.91	7.04	189.87	<50	<0.5	<0.5	<0.5	<1.5	--
MW-2									
01/03/01	197.35	12.48	184.87	2,100[2]	110	11	63	25	83/2.2[3]
04/25/01	197.35	8.90	188.45	1,700[4]	150	12	30	15	150/<2.0[3]
07/09/01	197.35	11.44	185.91	2,500[5]	200	21	55	26	<50
04/08/02	197.35	13.37	183.98	4,200	87	2.8	29	9.8	<2.5
01/13/02	197.35	6.55	190.80	410	20	2.9	<2.5	4.4	27/<2.0[3]
04/08/02	197.35	8.37	188.98	4,000	70	1.7	17	17	<2.5
10/15/02	197.35	13.00	184.35	3,100	41	2.2	16	<6.0	--
04/15/03	197.35	7.58	189.77	2,400	37	<2.5	12	<7.5	--
10/31/03	197.35	13.02	184.33	2,300	12	3.4	4.8	<7.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339

5940 College Avenue

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-2 (cont)									
04/23/04	197.35	8.38	188.97	960	8.9	1.0	2.4	<1.5	--
10/22/04	197.35	11.41	185.94	2,200	24	<2.5	4.1	<10	--
04/14/05	197.35	6.69	190.66	640	2.1	<2.0	<2.0	7.5	--
10/14/05	197.35	11.14	186.21	1,200	6.9	<2.5	<2.5	<7.5	--
04/14/06	197.35	6.54	190.81	180	<0.5	<0.5	<0.5	<5.0	--
10/26/06	197.35	11.02	186.33	550	<2.0	0.5	<2.0	<10	--
04/13/07[6]	197.35	9.95	187.40	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/07	197.35	12.63	184.72	3,200	12	<5.0	4.7	<20	--
04/21/08	197.35	9.31	188.04	860	1.0	<2.0[7]	<2.0[7]	<10[7]	--
10/15/08	197.35	13.71	183.64	480	1.3	0.8	1.1	<5.0[8]	--
04/15/09	197.35	8.79	188.56	370	0.7	1.3	0.9	6.5	--
10/01/09	197.35	13.67	183.68	<50	<0.5	<0.5	<0.5	<1.5	--
04/12/10	197.35	6.62	190.73	310	1.0	<0.5	0.5	<1.5	--
TRIP BLANK									
TB-LB									
01/03/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/25/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/09/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA									
10/08/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/08/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
10/15/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	--
04/15/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/31/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/23/04	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/04	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/14/05	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/05	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/14/06	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/26/06	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/13/07	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339

5940 College Avenue

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA (cont)									
10/22/07	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/21/08	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/15/08	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/15/09	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/01/09	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/12/10	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339

5940 College Avenue

Oakland, California

EXPLANATIONS:

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
(msl) = Mean sea level
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveying. The benchmark used for the survey was a City of Oakland benchmark being a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue, (Benchmark Elev. = 179.075 feet, msl).

1 Laboratory report indicates unidentified hydrocarbons C6-C12.

2 Laboratory report indicates gasoline C6-C12.

3 MTBE by EPA Method 8260.

4 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

5 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.

6 Current laboratory analytical results do not coincide with historical data, although the laboratory results were confirmed.

7 Laboratory report indicates that due to the presence of interferent near their retention time, normal reporting limits were not attained for toluene, ethylbenzene, and total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.

8 Laboratory report indicates that due to the presence of an interferent near its retention time, the normal reporting limit was not attained for total xylenes. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #209339

5940 College Avenue

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)
MW-1	01/03/01	<500	<50	<2.0	<2.0	<2.0	<2.0	<2.0
	04/25/01	--	<20	<2.0	<2.0	<2.0	<2.0	--
MW-2	01/03/01	<500	<50	2.2	<2.0	<2.0	<2.0	<2.0
	04/25/01	--	<20	<2.0	<2.0	<2.0	<2.0	--
	01/13/02	--	<20	<2.0	<2.0	<2.0	<2.0	--

EXPLANATIONS:

TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
(µg/L) = Micrograms per liter
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3

Groundwater Analytical Results
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

WELL ID	DATE	FERROUS IRON (mg/L)	TOTAL ALKALINITY (mg/L)	SULFATE AS SO_4 (mg/L)
MW-1	04/25/01	0.15	380	11
	07/09/01	<0.050	410	6.8
	10/08/01	--[1]	414	5.4
	01/13/02	<0.10[2]	390	10
MW-2	04/25/01	0.093	680	21
	07/09/01	0.44	600	9.3
	10/08/01	--[1]	683	3.8
	01/13/02	<0.10[2]	630	7.0

EXPLANATIONS:

(mg/L) = milligrams per liter
-- = Not Analyzed

ANALYTICAL METHODS:

EPA Method SM 3500 Fe for Ferrous Iron
EPA Method 310.1 for Total Alkalinity
EPA Method 300.0 for Sulfate as SO_4

[1] Analysis was not performed by the laboratory as requested on the Chain of Custody.
[2] Due to sample transfer by the lab from one laboratory to another, the sample was received beyond the EPA recommended holding time.

Table 4

Field Measurements
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

WELL ID	DATE	D.O. Before Purging (mg/L)	ORP Before Purging (mV)
MW-1	07/09/01	1.25	111
	10/08/01	1.20	64
	01/13/02[1]	--	--
MW-2	07/09/01	1.89	16
	10/08/01	1.04	58
	01/13/02[1]	--	--

EXPLANATIONS:

D.O. = Dissolved Oxygen Concentration
(mg/L) = Milligrams per liter
ORP = Oxygen Reduction Potential
(mV) = Millivolt
-- = Not Measured

[1] D.O. and ORP meter erratic; measurements not taken.

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 209339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1	10/14/2010	196.91	13.25	183.66	<50	<0.5	<0.5	<0.5	<1.5
MW-1	04/14/2011	196.91	7.81	189.10	<50	<0.5	<0.5	<0.5	<1.5
MW-1	10/07/2011	196.91	10.66	186.25	140	<0.5	<0.5	<2.0	2.0
MW-1	04/23/2012	196.91	7.82	189.09	<50	<0.5	<0.5	<0.5	<1.5
MW-1	**10/12/2012**	**196.91**	**12.86**	**184.05**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
MW-2	10/14/2010	197.35	12.15	185.20	480	1.3	<2.0	<2.0	7.1
MW-2	04/14/2011	197.35	6.92	190.43	150	<0.5	<0.5	<0.5	<5.0
MW-2	10/07/2011	197.35	10.27	187.08	370	0.7	<0.5	0.8	5.0
MW-2	04/23/2012	197.35	7.08	190.27	210	0.7	<0.5	0.5	2.2
MW-2	**10/12/2012**	**197.35**	**12.01**	**185.34**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
QA	10/14/2010	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
QA	04/14/2011	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
QA	10/07/2011	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
QA	04/23/2012	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
QA	10/12/2012	-	-	-	<50	<0.5	<0.5	<0.5	<1.5

Abbreviations and Notes:

TOC = Top of casing

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 209339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

µg/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

– = Not available / not applicable

<x = Not detected above laboratory method detection limit

* TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveyin
The benchmark used for the survey was the City of Oakland benchmark being
a cut square in the top of curb, at the curb return at the northeast corner of
College Avenue and Miles Avenue (Benchmark Elev. 179.075 feet msl).

CUMULATIVE GRAB-GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON SERVICE STATION
5940 COLLEGE AVENUE, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*
			← *Reported in micrograms per liter (µg/L)* →					
ESLs for Final Screening Levels where Groundwater is a Potential or Current Drinking Water Resource (Table F-1a)			***100***	***1.0***	***40***	***30***	***20***	***5.0***
ESLs for Potential Vapor Intrusion Into Buildings Comercial/Industrial (Table E-1a)			***Uses soil gas***	***1,800***	***530,000***	***170,000***	***160,000***	***80,000***
SB-1	8/31/1999	7.0	**5,100**	**43**	**34**	**40**	<5	**110**
SB-2	8/31/1999	9.5	<50	<0.5	<0.5	<0.5	<0.5	<5
SB-3	8/31/1999	9.0	**59,000**	**3,500**	**310**	**2,000**	**1,900**	**650**
SB-4	9/1/1999	7.0	**190,000**	**890**	**110**	**4,000**	**7,500**	**1,100**

Notes:

Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8020

Benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tertiary-butyl ether (MTBE) by EPA Method 8020

ESL's = Environmental Screening Levels for groundwater that is a current or potential drinking water source (commercial/industrial land use) from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater Interim Final November 2007, revised May 2008 by the California Regional Water Quality Control Board, San Francisco Bay Region

fbg = feet below grade

<x = Not detected at reporting limit x

ND = Not detected above various laboratory method detection limits

TABLE 2

SUB-SLAB VAPOR ANALYTICAL RESULTS
FORMER CHEVRON 209339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

Location	Date	VOCs							TPH Fractions						TPHs	ASTM D-1946				
		Benzene	Toluene	Ethylbenzene	Total xylenes	Methyl Tert Butyl Ether	Naphthalene (TO-17)	Naphthalene	C5-C6 Aliphatics	>C6-C8 Aliphatics	>C8-C10 Aliphatics	>C10-C12 Aliphatics	>C8-C10 Aromatics	>C10-C12 Aromatics	TPHg	Oxygen	Nitrogen	Carbon dioxide	Methane	Helium
Units		µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	%	%	%	%	%
SSVP-1	11/07/2013	**0.75**	**21**	**0.87**	**4.7**	<0.60	**<8.3**	<4.4*	**68**	<68	<97	<120	<82	<92	**340**	**21**	**79**	<0.017	**0.00019**	<0.084
SSVP-2	11/07/2013	<0.27	**0.25**	<0.15	<0.30	<0.61	--	**6.0**	<55	<70	<99	<120	<84	<93	<70	**20**	**80**	**0.28**	<0.00017	<0.085
Dup-1	11/07/2013	<0.27	**0.20**	<0.15	<0.30	<0.62	--	<4.5	<56	<70	<100	<120	<84	<94	<70	**20**	**80**	**0.29**	<0.00017	<0.086

Abbreviations and Notes:

*Naphthalene was also analyzed by Modified TO-17 VI Scan for this sample. It was not detected (<8.3 µg/m³)

(D) = duplicate sample collected from SSVP-2

TPHg = total petroleum hydrocarbon as gasoline

<n = below detection limit

TPH = total petroleum hydrocarbons

VOCs = volatile organic compounds

µg/m³ = micro grams per cubic meter

% = percent

Bold indicates detection

TABLE 3

INDOOR/OUTDOOR AIR ANALYTICAL RESULTS
FORMER CHEVRON 209339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

Location	Date	VOCs						TPH Fractions						TPHs	ASTM D-1946				
		Benzene	Toluene	Ethylbenzene	Total xylenes	Methyl Tert Butyl Ether	Naphthalene	C5-C6 Aliphatics	>C6-C8 Aliphatics	>C8-C10 Aliphatics	>C10-C12 Aliphatics	>C8-C10 Aromatics	>C10-C12 Aromatics	TPHg	Oxygen	Nitrogen	Carbon dioxide	Methane	Helium
Units		µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	%	%	%	%	%
Ambient-backroom	11/07/2013	**0.95**	**3.8**	**0.91**	**2.88**	<0.55	**8.2**	<50	<63	<89	<110	<75	<84	**260**	21	79	0.072	0.00027	<0.076
Ambient-showroom	11/07/2013	**0.80**	**3.0**	**0.69**	**2.22**	<0.60	<4.4	<54	<68	<97	<120	<82	<91	**190**	21	79	0.07	0.00028	<0.083
Ambient-outside	11/07/2013	**0.87**	**2.7**	**0.56**	**2.56**	<0.58	<4.2	<52	<66	<94	<110	<79	<88	**110**	21	79	0.046	0.00024	<0.080

Abbreviations and Notes:

TPHg = total petroleum hydrocarbon as gasoline

<n = below detection limit

TPH = total petroleum hydrocarbons

VOCs = volatile organic compounds

µg/m³ = micro grams per cubic meter

% = percent

Bold indicates detection