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

June 16, 2015

Wannetta Hall
Scooter Wilson's Auto Repair
4414 Fleming Avenue
Oakland, CA 94619
(Sent via e-mail to: wannetta4414@yahoo.com)

Louis Badertscher
5625 N. Highway 66
Kingman, AZ 86401
(Sent via e-mail to: louisbadertscher@gmail.com)

Mary Badertscher
5625 N. Highway 66
Kingman, AZ 86401

Heirs of the Estate of Henry Hall
4414 Fleming Avenue
Oakland, CA 94619

Subject: Case Closure for Fuel Leak Case No. RO0000280 and GeoTracker Global ID T0600102113, Scooter Wilson, 3600 MacArthur Boulevard, Oakland, CA 94619

Dear Ms. Hall and Mr. and Ms. Badertscher:

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).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use. Site Management Requirements are further described in Additional Information of the attached Case Closure Summary.

If you have any questions, please call Keith Nowell at (510) 567-6764. Thank you.

Sincerely,

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

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

Cc w/enc.: Susan Hugo, Alameda County Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502 (*Sent via electronic mail to: susan.hugo@acgov.org*)

Alameda County Public Works, Building Inspection Division, 399 Elmhurst Street, Room 141, Hayward, CA 94544
Alameda County Community Development Agency Planning Department, 224 Winton Avenue, Room 111, Hayward, CA 94544

Mark J. Arniola, City of Oakland Public Works Environmental Services, 250 Frank H. Ogawa Plaza, Suite 4314, Oakland, CA 94612 (*Sent via E-mail to: marniola@oaklandnet.com*)

Sam Brathwaite, Ground Zone Environmental Services, LLC, 1705 Modoc Ave, Hayward, CA 94542 (*Sent via E-mail to: sbrathwaite@groundzonees.com*)

Charlene Neely, ReMax, 2070 Mountain Blvd., Oakland, CA 94611 (*Sent via E-mail to: CharleneNeely@aol.com*)

Keith Nowell (Sent via E-mail to: *keith.nowell@acgov.org*)
e-File, GeoTracker

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

June 16, 2015

Wannetta Hall
Scooter Wilson's Auto Repair
4414 Fleming Avenue
Oakland, CA 94619
(Sent via e-mail to: wannetta4414@yahoo.com)

Louis Badertscher
5625 N. Highway 66
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Subject: Case Closure for Fuel Leak Case No. RO0000280 and GeoTracker Global ID T0600102113, Scooter Wilson, 3600 MacArthur Boulevard, Oakland, CA 94619

Dear Ms. Hall and Mr. and Ms. Badertscher:

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

Ronald Browder
Acting Director
Department of Environmental Health

UST Case Closure Summary Form

Agency Information Date: June 16, 2015

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6764
Staff Person: Keith Nowell	Title: Hazardous Materials Specialist

Case Information

Facility Name: Scooter Wilson		
Facility Address: 3600 MacArthur Boulevard, Oakland, CA 94619		
RB LUSTIS Case No: 01-2297	Local Case No.: STID #1289	LOP Case No.: RO0000280
URF Filing Date: 8/7/1996	GeoTracker Global ID: T0600102113	
APN: 30-1903-15-1	Current Land Use: Commercial	
Responsible Party(s):	Address:	Phone:
Louis Badetscher	5625 N. Highway 66 Kingman, AZ 86401-6714	(928) 814 - 9536
Mary Badetscher	5625 N. Highway 66 Kingman, AZ 86401-6714	----
Heirs of the Estate of Henry Hall	4414 Fleming Avenue Oakland, CA 94619	----
Wannetta Hall	4414 Fleming Avenue Oakland, CA 94619	(510) 261 - 4332

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
	8,000	Gasoline	Removed	3/30/1994
	8,000	Gasoline	Removed	3/30/1994
	6,000	Diesel	Removed	3/30/1994
	100	Waste Oil	Removed	3/30/1994
	Piping		Unknown	----

Conceptual Site Model (Attachment 1, 2 pages)

Low Threat Closure Policy Checklist (LTCP) (Attachment 2, 2 pages)

LTCP Groundwater Specific Criteria (Attachment 3, 1 page)

LTCP Vapor Specific Criteria (Attachment 4, 1 page)

UST Case Closure Summary Form

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

Site Map(s) (Attachment 6, 10 pages)

Analytical Data (Attachment 7, 7 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). The case does not meet the LTCP Direct Contact and Outdoor Air Media Specific criteria for residential development; however, it meets the commercial criteria. Therefore, case closure is granted for the current commercial land use.

If a change in land use to any residential or other conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2 due to residual contamination at the site.

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.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

RWQCB Notification Notification Date: March 4, 2015

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Keith Nowell	Title: Hazardous Materials Specialist
Signature: Keith Nowell	Date: 6/22/2015
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 6/22/2015

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

CSM Report Go

GEOTRACKER HOME | MANAGE PROJECTS | REPORTS | SEARCH | LOGOUT

SCOOTER WILSON (T0600102113) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

3600 MACARTHUR BLVD.
OAKLAND , CA 94619
ALAMEDA COUNTY

ACTIVITIES REPORT
PUBLIC WEBPAGE

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000280*
CASEWORKER: *KEITH NOWELL* - ***SUPERVISOR:*** *DILAN ROE*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2297*
CASEWORKER: *Cherie McCaulou* - ***SUPERVISOR:*** *Cheryl L. Prowell*

CUF Claim #: 11842 **CUF Priority Assigned:** B **CUF Amount Paid:** $14,624

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY ***KEITH NOWELL*** ON 6/16/2015 2:30:02 PM - 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)

							FIVE YEAR REVIEW INFORMATION				
CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE
11842	B	WANNETTA HALL 4414 FLEMING AVE, OAKLAND CA 94619	3600 MACARTHUR BLVD OAKLAND, CA 94619	$14,624	15		5	walter bahm	Recommended Case Closure		

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

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
SCOOTER WILSON (Global ID: T0600102113) 3600 MACARTHUR BLVD. OAKLAND, CA 94619	Open - Eligible for Closure	2/6/2014	6/3/1994	21	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000280* ***CASEWORKER:*** *KEITH NOWELL* - ***SUPERVISOR:*** *DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2297* ***CASEWORKER:*** *Cherie McCaulou* - ***SUPERVISOR:*** *Cheryl L. Prowell*

STAFF NOTES (INTERNAL)
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 Alameda County Environmental Health website at https://ehgis.acgov.org/dehpublic/dehpublic.jsp.

SITE HISTORY
In March 1994 two 8,000-gallon gasoline USTs, one 6,000-gallon diesel UST and one 100-gallon waste-oil UST were removed from the site. There is a reference in the well installation report that approximately 60 feet of piping remains on site. Petroleum hydrocarbons were detected in soil and groundwater but the soil excavated during the tank pit was placed back in each tank pit.
In October 1998, soil borings were advanced at the site and three monitoring wells installed. Sporadic monitoring of the groundwater wells has been performed. Most recent groundwater monitoring indicates no substantial vapor intrusion risk remains at the site.
A well survey conducted in October 2014 did not reveal the presence of beneficial use wells within 2,000 feet of the site.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
HEIRS OF THE ESTATE OF HENRY HALL	Estate of Henry Hall	4414 FLEMING AVENUE	OAKLAND	
LOUIS BADETSCHER	Property owner	5625 N. HIGHWAY 66	KINGMAN	louisbadertscher@gmail.com
MARY BADERTSCHER	Individual	5625 N. HIGHWAY 66.	KINGMAN	
WANNETTA HALL	SCOOTER WILSONS AUTO REPAIR	4414 FLEMING AVENUE	OAKLAND	wannetta4414@yahoo.com

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, Diesel, Gasoline	Commercial	GW - Municipal and Domestic Supply		6/3/1994	Other Means	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	6/1/2015	5/28/2015	11/17/2014		

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
030 190301501	Santa Clara Valley - East Bay Plain (2-9.04)	South Bay - East Bay Cities (204.20)

COUNTY
Alameda

PUBLIC WATER SYSTEM(S)
- **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
KB-1	3/28/2006		ND	ND	ND	0.53 UG/L	ND	ND
KB-2	3/29/2006		ND	ND	ND	ND	ND	ND
KB-3	3/29/2006		10 UG/L	0.75 UG/L	0.78 UG/L	2.8 UG/L	ND	ND
KB-4	3/29/2006		7.4 UG/L	0.72 UG/L	19 UG/L	2.1 UG/L	ND	ND
KB-5	3/29/2006		ND	ND	ND	ND	ND	ND
KB-6	3/29/2006		ND	ND	ND	ND	ND	ND
KB-7	3/29/2006		ND	ND	ND	ND	ND	ND
KB-8	3/29/2006		ND	ND	ND	ND	ND	ND
MW-1	10/13/2014		6.8 UG/L	ND	ND	OTHER	ND	ND
MW-2	10/13/2014		ND	ND	ND	OTHER	ND	ND
MW-3	10/13/2014		ND	ND	ND	OTHER	3.7 UG/L	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
KB-4-5	3/28/2006		ND	ND	2200 UG/KG	ND	ND	ND
KB-7-8.5-9	3/29/2006		ND	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	10/13/2014	4.2	N	
MW-2	10/13/2014	4.27	N	
MW-3	10/13/2014	4.22	N	

LOGGED IN AS KNOWELL

CONTACT GEOTRACKER HELP

ATTACHMENT 2

LTCP Checklist Go

GEOTRACKER HOME | MANAGE PROJECTS | REPORTS | SEARCH | LOGOUT

SCOOTER WILSON (T0600102113) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

3600 MACARTHUR BLVD.
OAKLAND , CA 94619
ALAMEDA COUNTY

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT

PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000280*
CASEWORKER: KEITH NOWELL - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2297*
CASEWORKER: Cherie McCaulou - SUPERVISOR: Cheryl L. Prowell

CUF Claim #: 11842 **CUF Priority Assigned:** B **CUF Amount Paid:** $14,624

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY *KEITH NOWELL* ON 6/16/2015 2:47:24 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 6/16/2015

CHECKLIST INITIATED ON 3/29/2013

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? — ◉ YES ○ NO

Name of Water System : EBMUD

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 — **NO**

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

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Plume Length (That Exceeds Water Quality Objectives) :
○ ≥ 100 Feet and < 250 Feet ○ ≥ 250 Feet and < 1,000 Feet ○ ≥ 1,000 Feet ◉ Unknown

Plume is Stable or Decreasing in AREAL Extent :
○ No ○ Unknown

Free Product in Groundwater :
○ Yes ○ No ○ Unknown

Free Product Has Been Removed to the Maximum Extent Practicable :
○ No ○ Unknown

For sites with free product, the Plume Has Been Stable or Decreasing for 5-Years (info) :
○ No ○ Unknown

For sites with free product, owner Willing to Accept a Land Use Restriction (if required) :
○ No ○ Unknown

Free Product Extends Offsite :
○ Yes ○ Unknown

Benzene Concentration :
○ ≥ 1,000 µg/l and < 3,000 µg/l ○ ≥ 3,000 µg/l ○ Unknown

MTBE Concentration :
○ ≥ 1,000 µg/l ○ Unknown

Nearest Supply Well (From Plume Boundary) :
○ ≤ 250 Feet ○ > 250 Feet and ≤ 1,000 Feet ○ Unknown

Nearest Surface Water Body (From Plume Boundary) :
○ ≤ 250 Feet ◉ > 250 Feet and ≤ 1,000 Feet ○ Unknown

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 — **NO**

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

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Soil Gas Samples :
○ No Soil Gas Samples ○ Taken Incorrectly

Exposure Type :
○ Residential ◉ Commercial

Free Product :
○ In Groundwater ○ In Soil ○ Unknown

TPH in the Bioattenuation Zone :
○ ≥ 100 mg/kg ○ Unknown ○ Soil samples not taken at two depths within 5 ft. zone (only for Scenario 4 with BioZone)

Bioattenuation Zone Thickness :
◉ < 5 Feet (No BioZone) ○ ≥ 5 Feet and < 10 Feet ○ ≥ 10 Feet and < 30 Feet ○ ≥ 30 Feet ○ 30ft BioZone Compromised TPH > 100mg/kg ○ Unknown

O2 Data in Bioattenuation Zone :
◉ No O_2 Data ○ O_2 < 4% ○ O_2 ≥ 4%

Benzene in Groundwater :

○ ≥ 100 µg/l and < 1,000 µg/l ○ ≥ 1,000 µg/l ○ Unknown

Soil Gas Benzene :

○ ≥ 85 µg/m³ and < 280 µg/m³ ○ ≥ 280 µg/m³ and < 85,000 µg/m³ ○ ≥ 85,000 µg/m³ and < 280,000 µg/m³ ○ ≥ 280,000 µg/m³ ◉ Unknown

Soil Gas EthylBenzene :

○ ≥ 1,100 µg/m³ and < 3,600 µg/m³ ○ ≥ 3,600 µg/m³ and < 1,100,000 µg/m³ ○ ≥ 1,100,000 µg/m³ and < 3,600,000 µg/m³ ○ ≥ 3,600,000 µg/m³ ◉ Unknown

Soil Gas Naphthalene :

○ ≥ 93 µg/m³ and < 310 µg/m³ ○ ≥ 310 µg/m³ and < 93,000 µg/m³ ○ ≥ 93,000 µg/m³ and < 310,000 µg/m³ ○ ≥ 310,000 µg/m³ ◉ Unknown

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

Should this case be closed in spite of NOT meeting policy criteria? ◉ YES ○ NO

Explain:

The case does not meet the Media-Specific Criteria- Groundwater: as the nearest surface water body, Peralta Creek, approaches to within 900 feet cross- to-up gradient of the site and comes within 1,400 feet (TPHg 90th percentile plume length plus 1,000-foot buffer)in the down-to-cross gradient direction. The leading edge of the plume has not been defined. . However, using the maximum plume length for TPHg as presented in the Technical Justification for Groundwater Plume Length, Indicator Constituents, Concentrations, Buffer Distances (Separation Distances) to Receptors (LTCP Guidance; SWRCB 2012), the plume length is <1,000 feet. No supply wells have been identified with in 2,000 feet of the site.

Case does not meet the Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air as the site does not have a bio-attenuation zone- shallowest groundwater reported at a depth of 0.91 foot bgs. However, the soil beneath the site contains low-to-no petroleum-related volatiles (maximum concentrations of benzene and ethyl benzene at 10 mg/kg and 27 mg/kg, respectively, at 7 feet bgs, and groundwater beneath the site contains low-to-no petroleum-related volatiles (benzene up to 6.8 ug/L and ethyl benzene and naphthalene concentrations ND<0.50ug/L in most recent groundwater monitoring event conducted on 10/13/2014).

Has this LTCP Checklist been updated for FY 14/15? ◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

LOGGED IN AS KNOWELL

CONTACT GEOTRACKER HELP

ATTACHMENT 3

ATTACHMENT 3 LTCP GROUNDWATER SPECIFIC CRITERIA						
LTCP Groundwater Specific Scenario under which case was closed: Scenario 5						
Site Data			LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	<1,000 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 or Decreasing		Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	> 1,000 feet		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	900 feet up gradient to cross gradient		>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	420	6.8	No criteria	<3,000	No criteria	<1,000
MTBE	3.7	3.7	No criteria	<1,000	No criteria	<1,000
TPHg	14,000	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?				Yes		
Attachment 3 Comments: The case does not meet the Media-Specific Criteria 1 through 4 for Groundwater: as the leading edge of the plume has not been defined and the nearest surface water body, Peralta Creek, approaches to within 900 feet cross- to-up gradient of the site, coming to within 1,400 feet (90th percentile TPHg plume length plus 1,000-foot buffer) in the down-to-cross gradient direction. However, using the maximum plume length for TPHg as presented in the Technical Justification for Groundwater Plume Length, Indicator Constituents, Concentrations, Buffer Distances (Separation Distances) to Receptors (LTCP Guidance; SWRCB 2012), the TPHg plume length is estimated to be <1,000 feet in length. Low concentrations of benzene (6.8 µg/L) and MTBE (3.7 µg/L) remain in on-site groundwater monitoring wells. No supply wells have been identified within 2,000 feet of the site.						

ATTACHMENT 4

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	Not applicable

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	< 100 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	NA	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<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?	No
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

Attachment 4 Comments: Case does not meet the Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air as the site does not have a bio-attenuation zone as shallowest groundwater reported at a depth of 0.91 foot bgs (MW-2 on 3/28/2006). However, the soil beneath the site contains low-to-no petroleum-related volatiles (maximum concentrations of benzene at 10 mg/kg at 7 feet bgs and ethyl benzene at 27 mg/kg at 7 feet bgs), and groundwater beneath the site contains low-to-no petroleum-related volatiles (benzene at 6.8 µg/L and ethyl benzene and naphthalene concentrations ND<0.50 µg/L).

ATTACHMENT 5

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

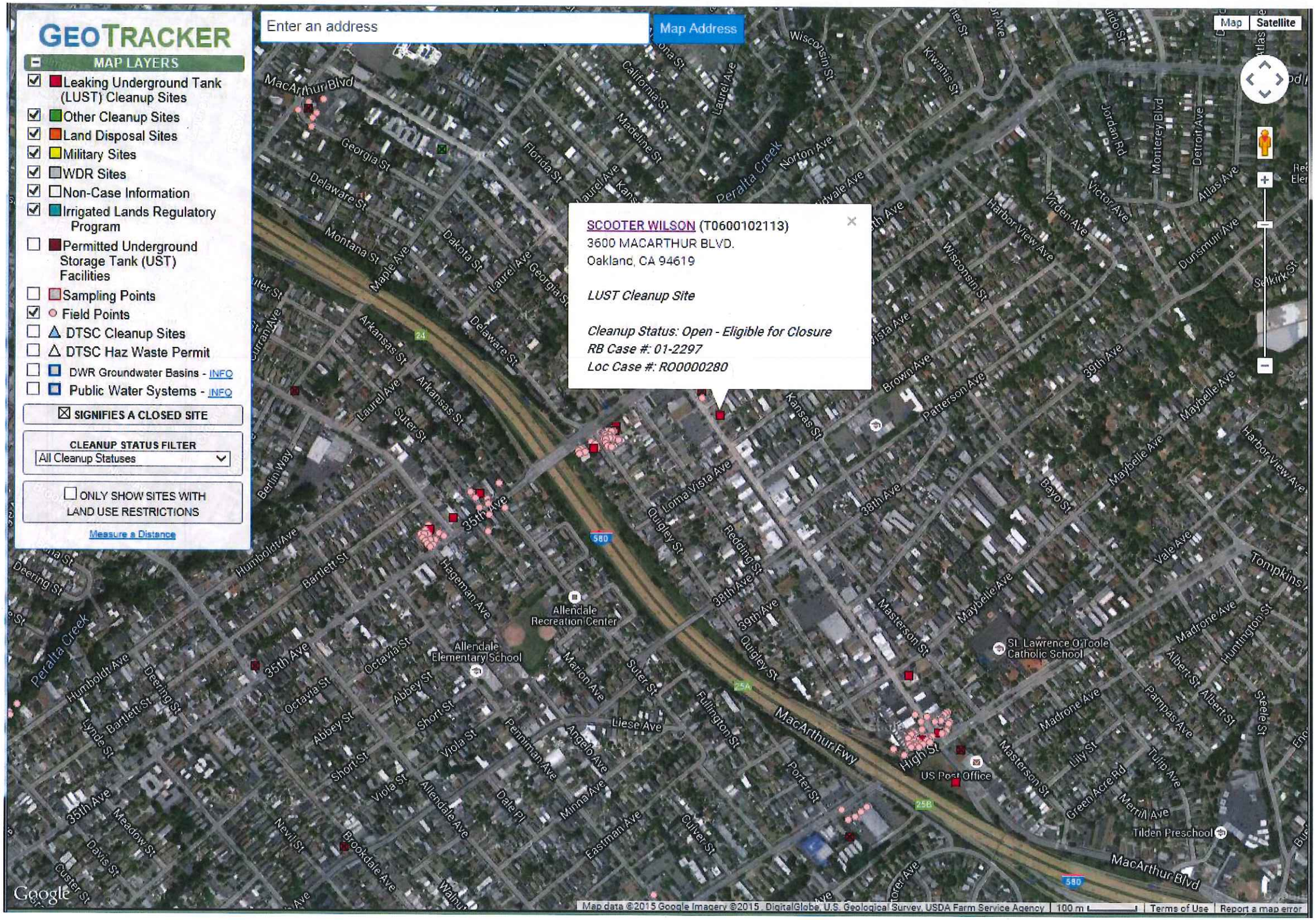
Are maximum concentrations less than those in Table 1 below?	Yes

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	0.54	10	0.54	10	10
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	1.0	27	1.0	27	27
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	<0.330	<0.330	<0.330	<0.330	<0.330
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?	----

Attachment 5 Comments: Case does not meet the Residential criteria for Media Specific Criteria: Direct Contact and Outdoor Air Exposure as residual benzene concentrations in the 5- to 10-foot zone (B2 at 7 feet bgs) exceed the residential criteria.

ATTACHMENT 6


GEOTRACKER
MAP LAYERS
Leaking Underground Tank (LUST) Cleanup Sites
Other Cleanup Sites
Land Disposal Sites
Military Sites
WDR Sites
Non-Case Information
Irrigated Lands Regulatory Program
Permitted Underground Storage Tank (UST) Facilities
Sampling Points
Field Points
DTSC Cleanup Sites
DTSC Haz Waste Permit
DWR Groundwater Basins - INFO
Public Water Systems - INFO
SIGNIFIES A CLOSED SITE
CLEANUP STATUS FILTER
All Cleanup Statuses
ONLY SHOW SITES WITH LAND USE RESTRICTIONS
Measure a Distance
Enter an address
Map Address
Map
Satellite
SCOOTER WILSON (T0600102113)
3600 MACARTHUR BLVD.
Oakland, CA 94619
LUST Cleanup Site
Cleanup Status: Open - Eligible for Closure
RB Case #: 01-2297
Loc Case #: RO0000280
MacArthur Blvd
Allendale Recreation Center
Allendale Elementary School
St. Lawrence O'Toole Catholic School
US Post Office
Tilden Preschool
MacArthur Ewy
Peralta Creek
Google
Map data ©2015 Google Imagery ©2015 , DigitalGlobe, U.S. Geological Survey, USDA Farm Service Agency
100 m
Terms of Use
Report a map error

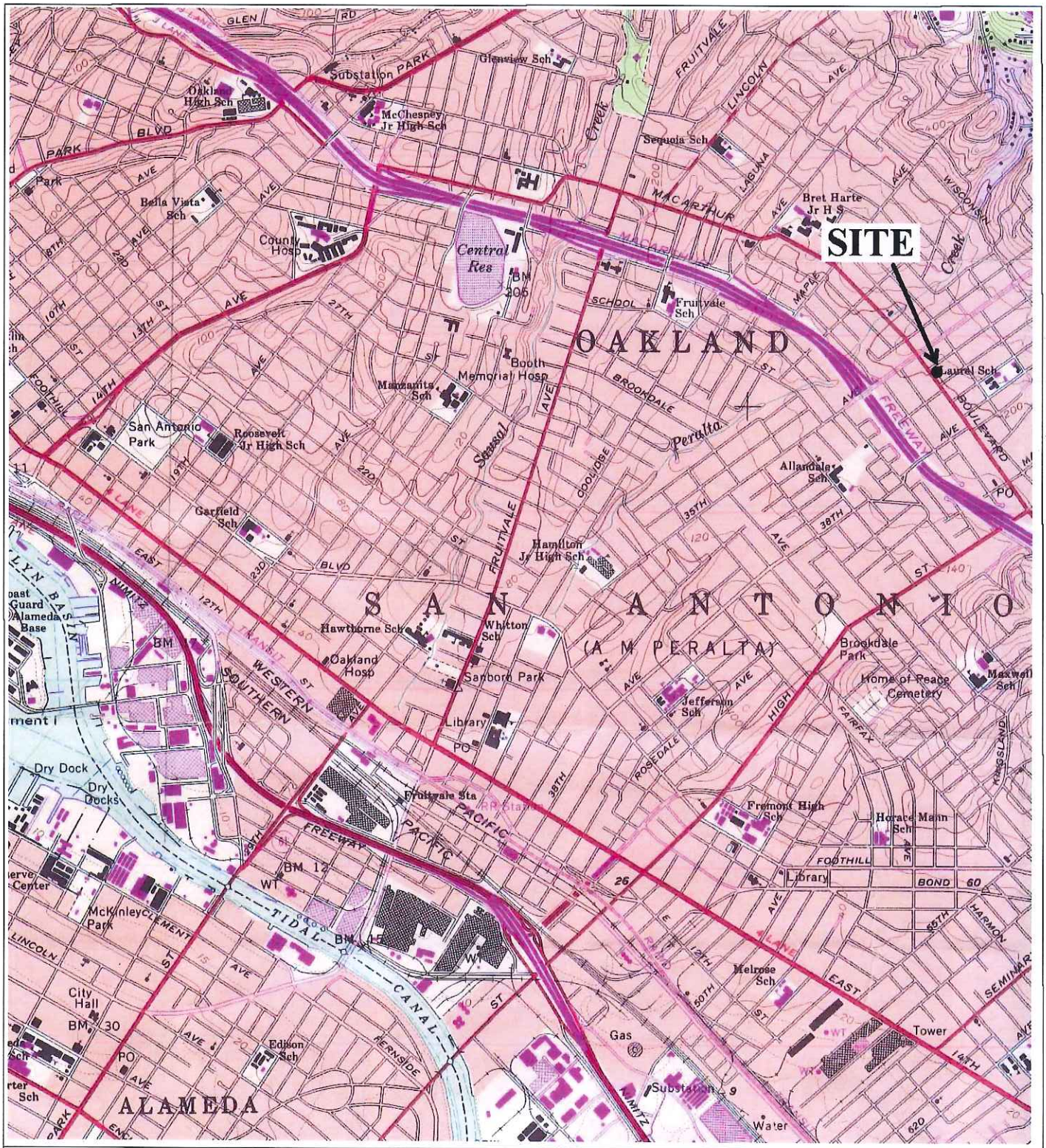


Figure 1
Site Location Map
3600 MacArthur Boulevard
Oakland, California

Base Map From:
U.S. Geological Survey
Oakland East, California
7.5-Minute Quadrangle
Photorevised 1980

RGA Environmental, Inc.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610

0 1,000 2,000
Approximate Scale In Feet

N

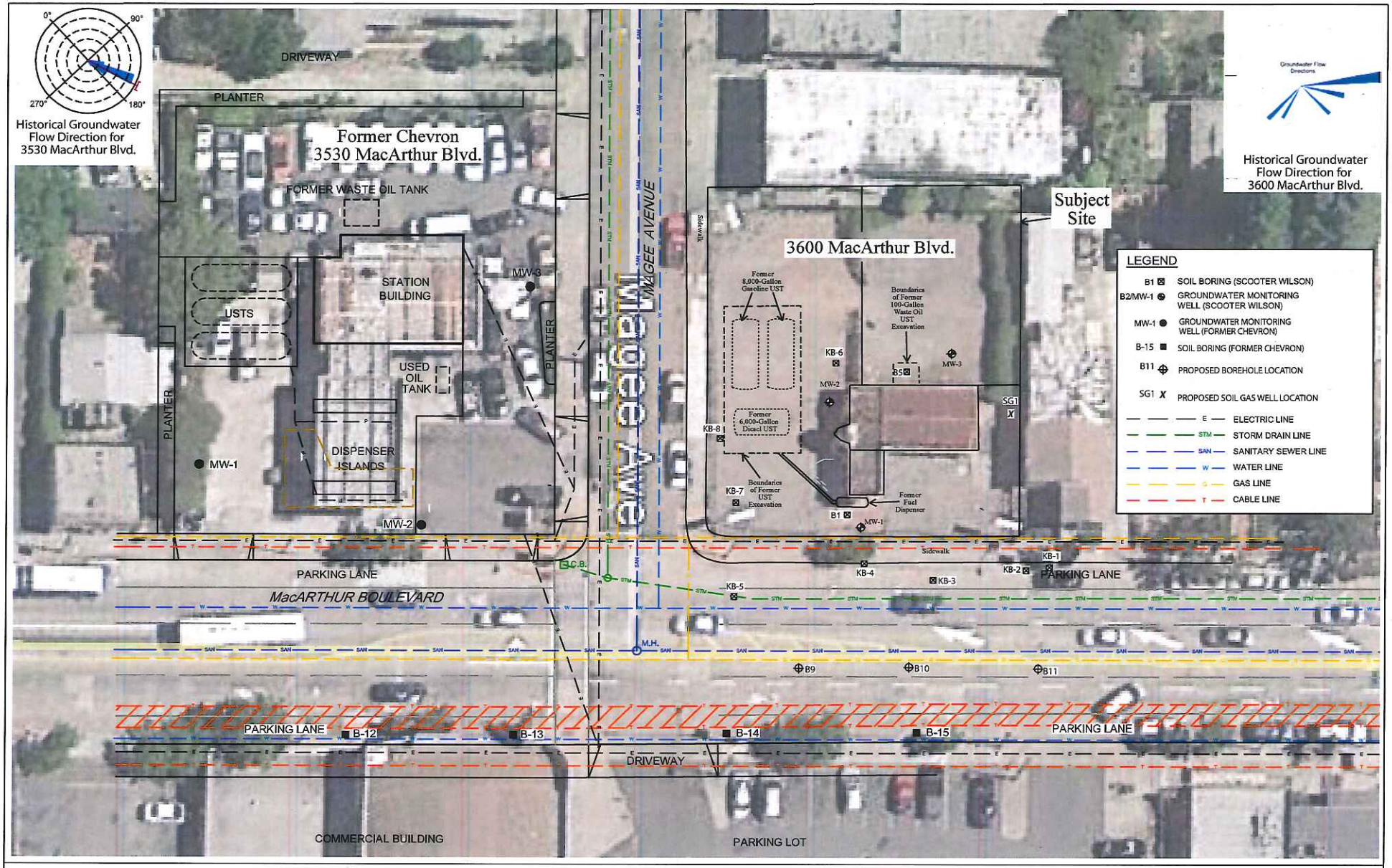
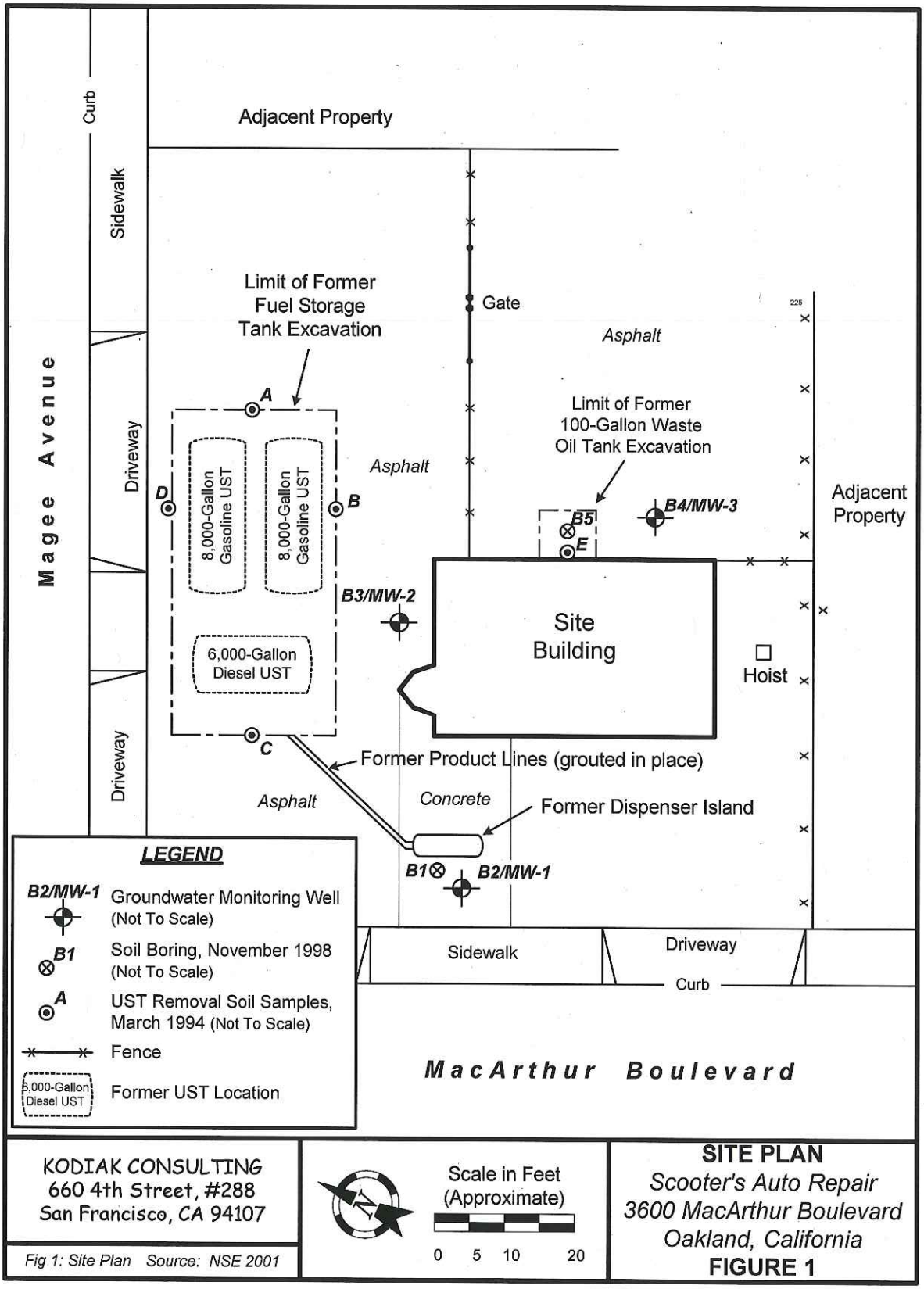


Figure 2
Site Vicinity Aerial Photograph Showing Well and Sample Collection Locations
3600 MacArthur Boulevard
Oakland, California

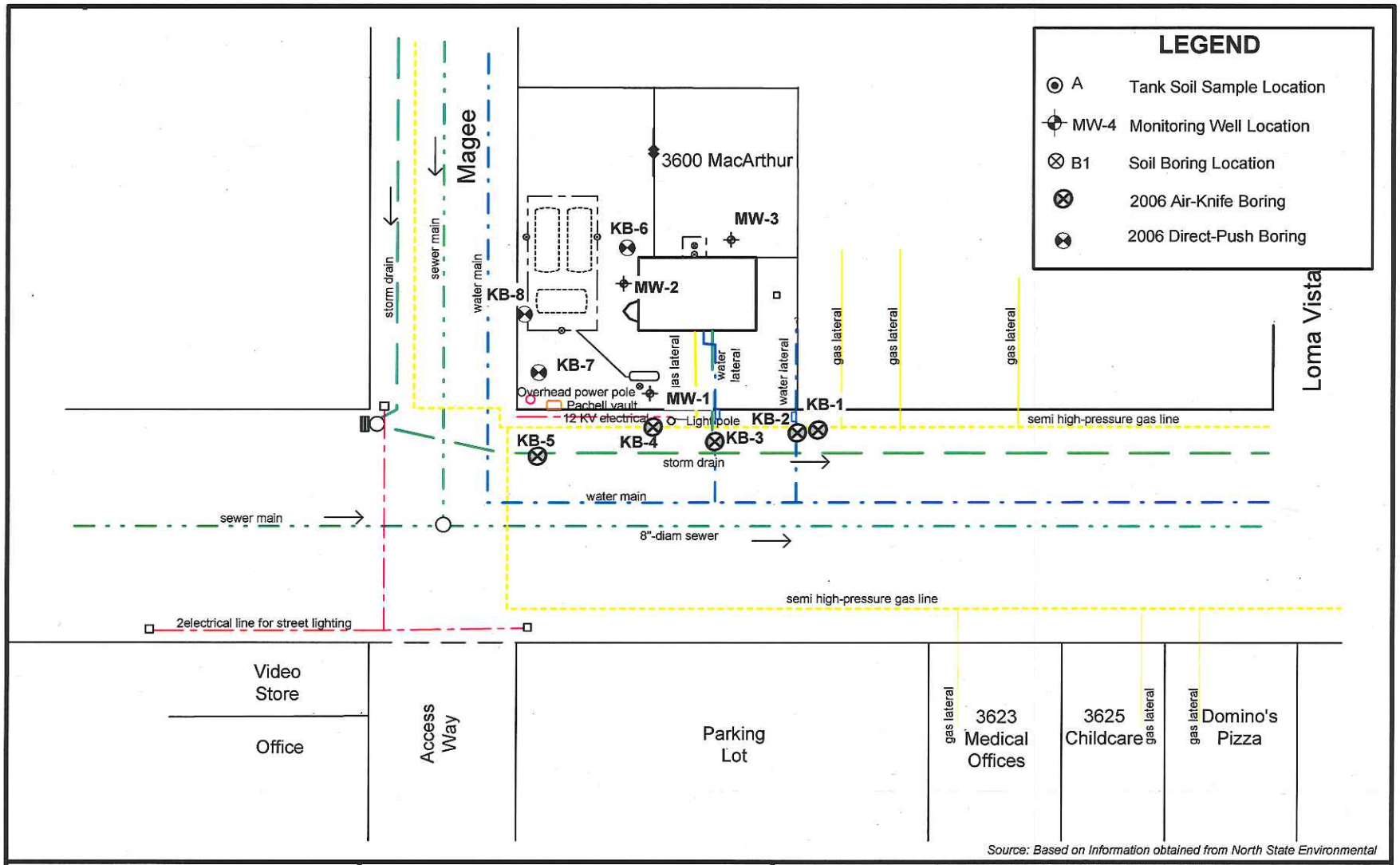
Base Map from:		
Conestoga-Rovers & Associates, September 2010, Kodiak Consulting, LLC, March 2012, and Google Earth, image dated August 2012	RGA Environmental, Inc. 55 Santa Clara Ave., Suite 240 Oakland, CA 94610	0 20 40 Approximate Scale in Feet N



KODIAK CONSULTING
660 4th Street, #288
San Francisco, CA 94107

Fig 1: Site Plan Source: NSE 2001

SITE PLAN
Scooter's Auto Repair
3600 MacArthur Boulevard
Oakland, California
FIGURE 1



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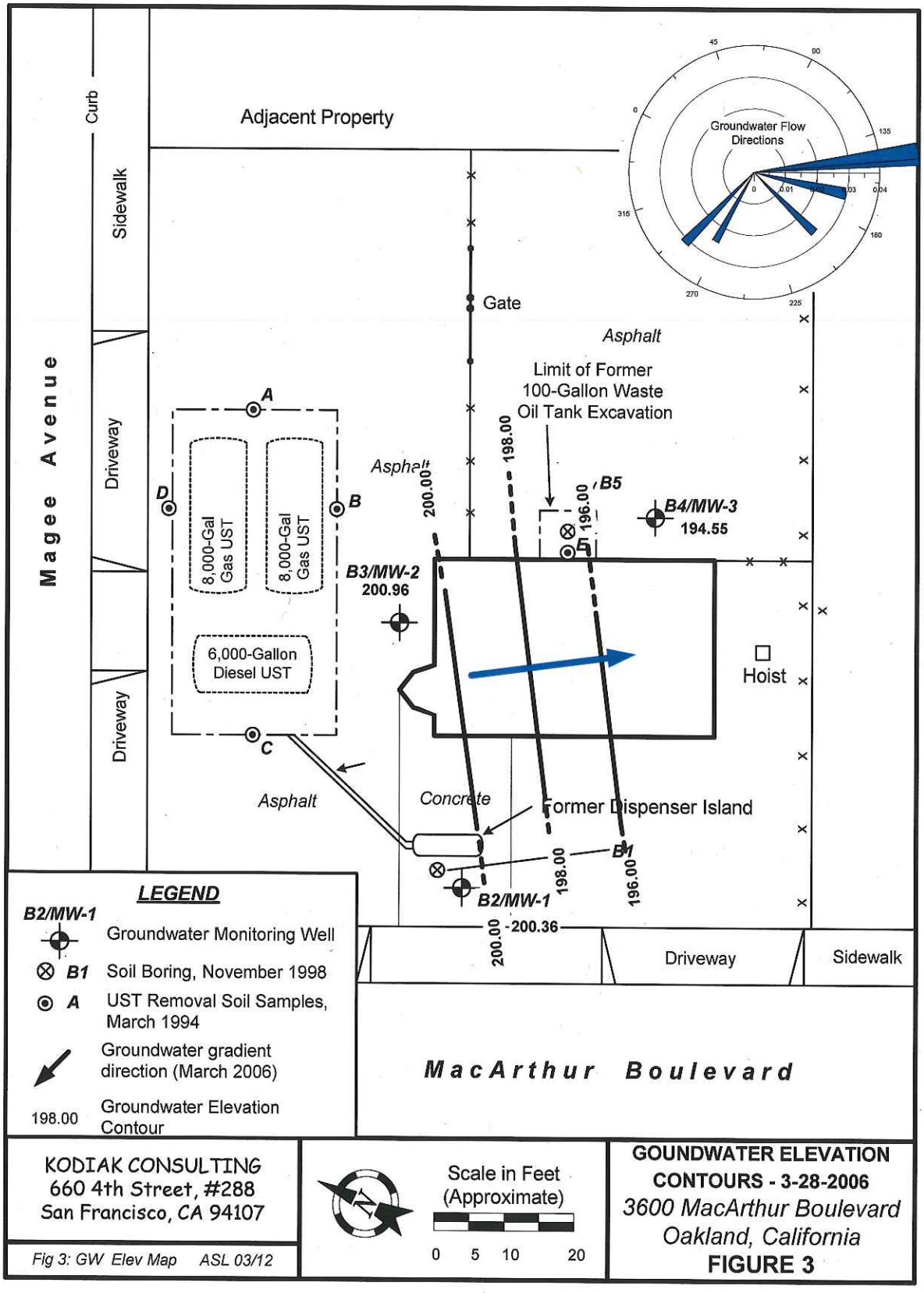
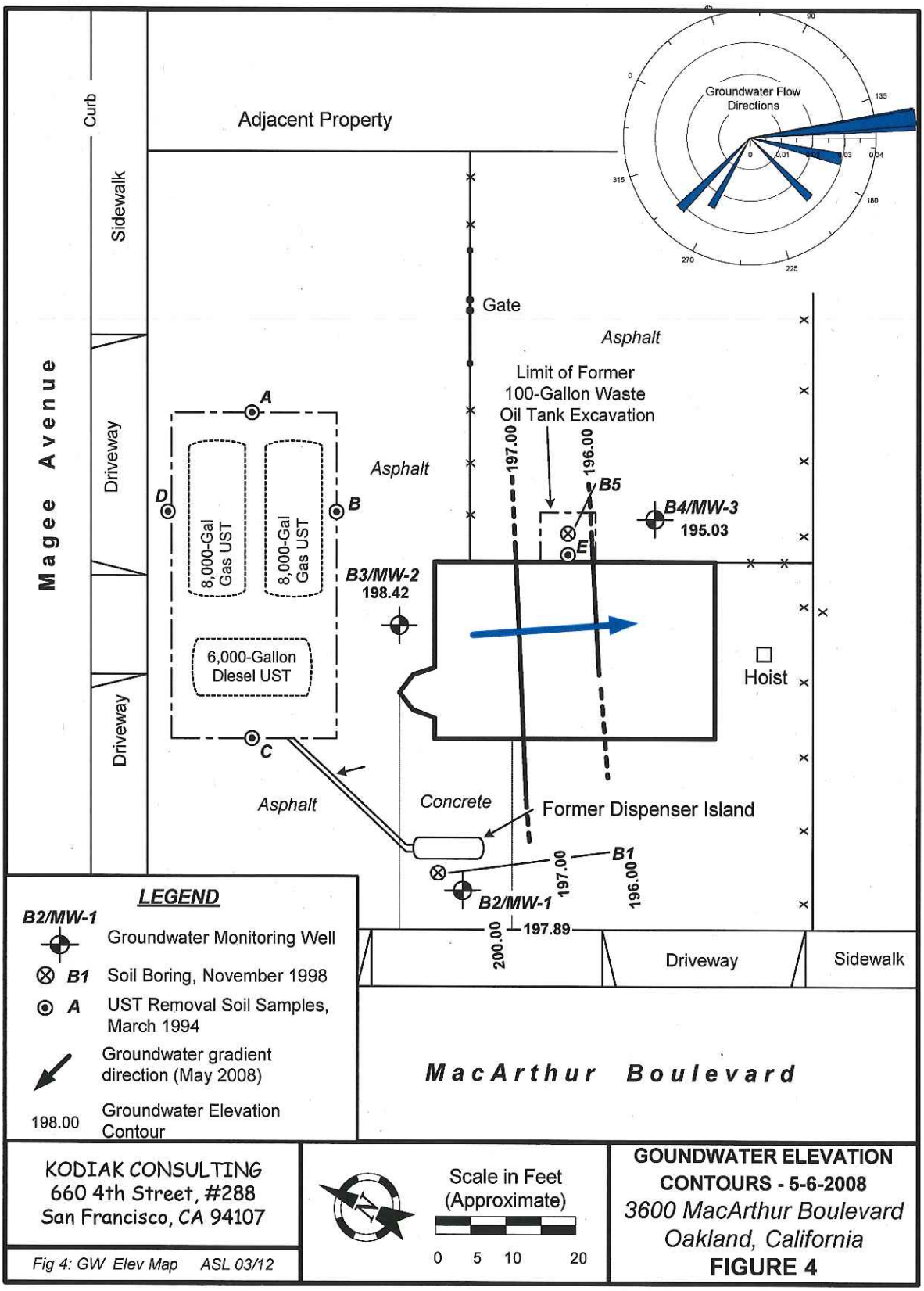
San Francisco, CA 94107

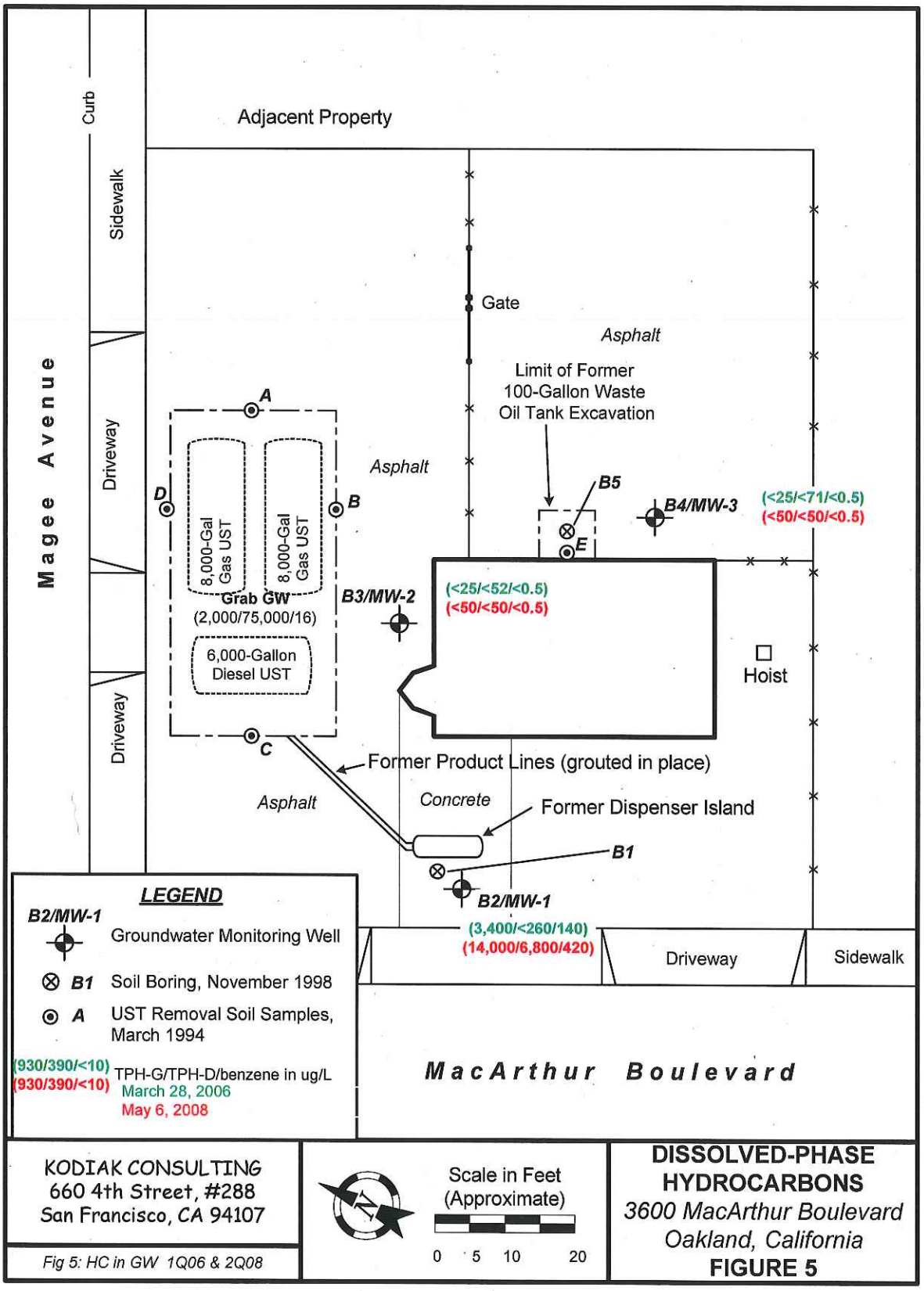
Scale In Feet
0 25 50

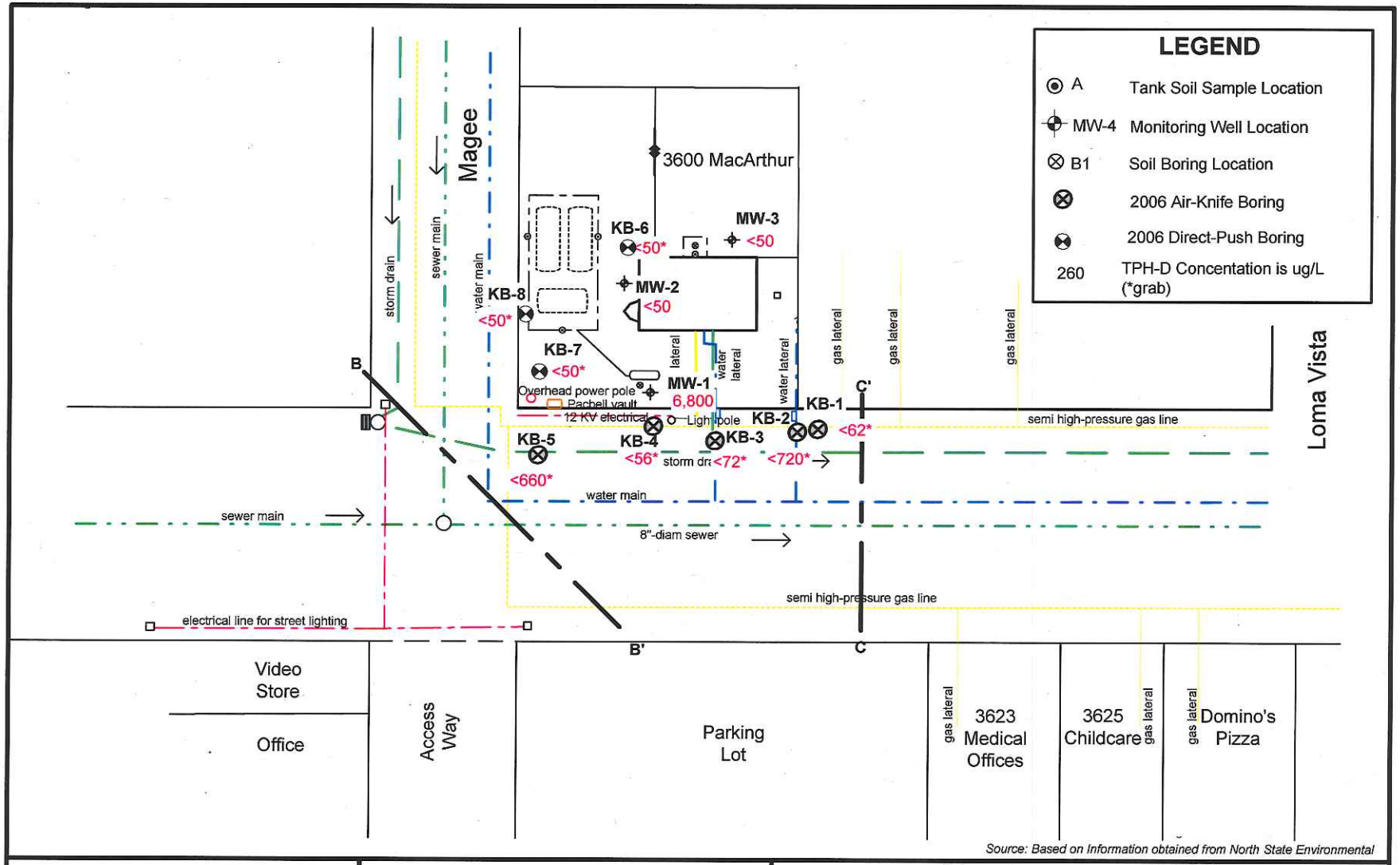
Fig 2: Borings Locations ASL 03/12

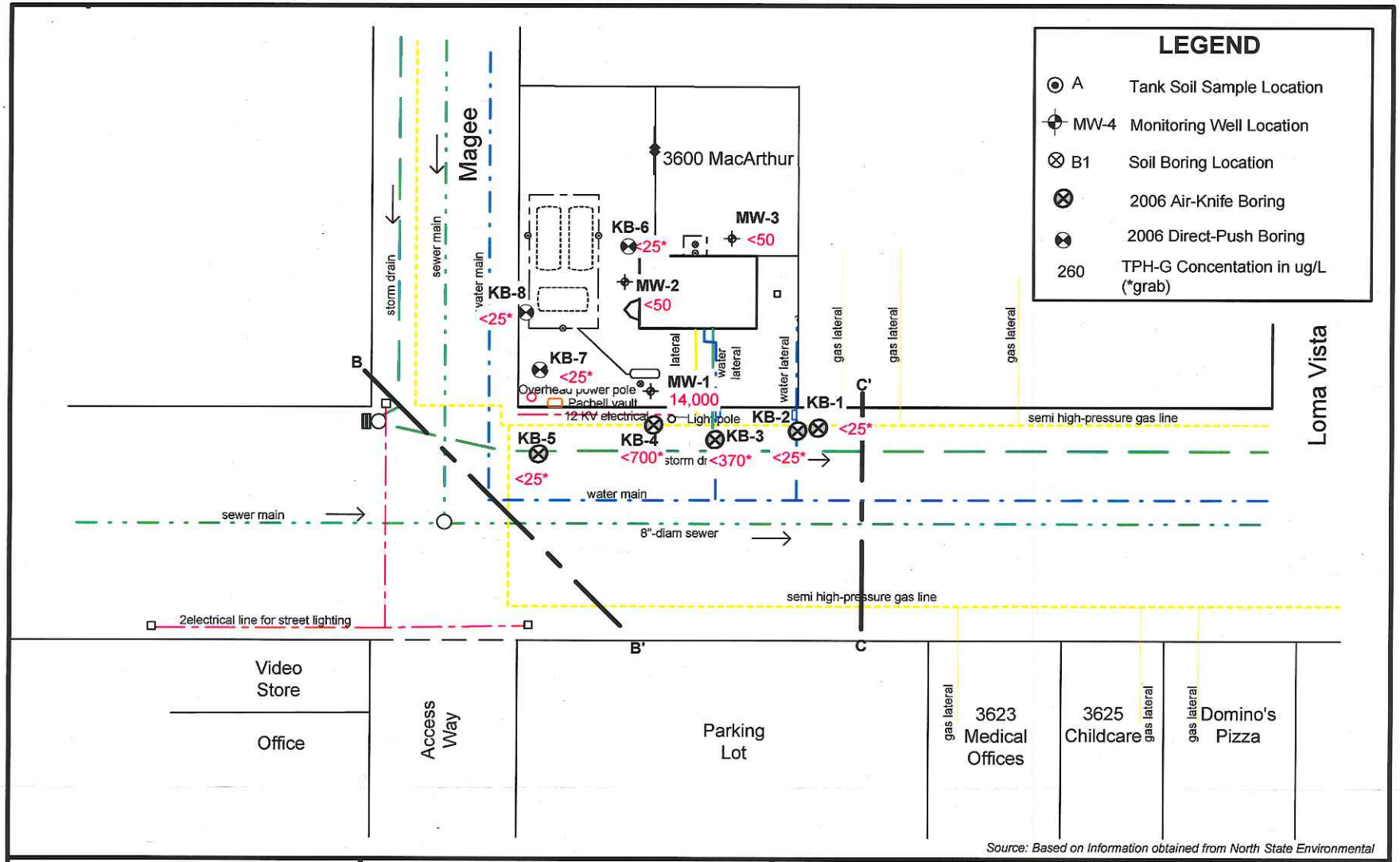
BORING LOCATION MAP
Scooter's Auto Repair
3600 MacArthur Boulevard
Oakland, California
FIGURE 2


Curb
Sidewalk
Adjacent Property
Magee Avenue
Driveway
Driveway
Groundwater Flow Directions
Gate
Asphalt
Limit of Former
100-Gallon Waste
Oil Tank Excavation
A
B
C
D
8,000-Gal Gas UST
8,000-Gal Gas UST
6,000-Gallon Diesel UST
Asphalt
200.00
198.00
196.00
B5
B4/MW-3
194.55
B3/MW-2
200.96
Hoist
Asphalt
Concrete
Former Dispenser Island
B1
B2/MW-1
198.00
196.00
200.00
200.36
Driveway
Sidewalk
MacArthur Boulevard
LEGEND
B2/MW-1
Groundwater Monitoring Well
B1
Soil Boring, November 1998
A
UST Removal Soil Samples, March 1994
Groundwater gradient direction (March 2006)
198.00
Groundwater Elevation Contour
KODIAK CONSULTING
660 4th Street, #288
San Francisco, CA 94107
Fig 3: GW Elev Map ASL 03/12
Scale in Feet (Approximate)
0 5 10 20
GOUNDWATER ELEVATION CONTOURS - 3-28-2006
3600 MacArthur Boulevard
Oakland, California
FIGURE 3


Groundwater Flow Directions
Adjacent Property
Curb
Sidewalk
Magee Avenue
Driveway
Driveway
Gate
Asphalt
Limit of Former
100-Gallon Waste
Oil Tank Excavation
197.00
196.00
B5
B4/MW-3
195.03
E
A
B
C
D
Asphalt
8,000-Gal Gas UST
8,000-Gal Gas UST
6,000-Gallon Diesel UST
B3/MW-2
198.42
Hoist
Asphalt
Concrete
Former Dispenser Island
B1
B2/MW-1
197.00
196.00
200.00
197.89
Driveway
Sidewalk
MacArthur Boulevard
LEGEND
B2/MW-1
Groundwater Monitoring Well
B1
Soil Boring, November 1998
A
UST Removal Soil Samples, March 1994
Groundwater gradient direction (May 2008)
198.00
Groundwater Elevation Contour
KODIAK CONSULTING
660 4th Street, #288
San Francisco, CA 94107
Fig 4: GW Elev Map ASL 03/12
Scale in Feet (Approximate)
0 5 10 20
GOUNDWATER ELEVATION CONTOURS - 5-6-2008
3600 MacArthur Boulevard
Oakland, California
FIGURE 4


Curb
Sidewalk
Magee Avenue
Driveway
Driveway
Adjacent Property
Gate
Asphalt
Limit of Former
100-Gallon Waste
Oil Tank Excavation
A
B
C
D
E
Asphalt
8,000-Gal
Gas UST
8,000-Gal
Gas UST
Grab GW
(2,000/75,000/16)
6,000-Gallon
Diesel UST
B5
B4/MW-3
(<25/<71/<0.5)
(<50/<50/<0.5)
B3/MW-2
(<25/<52/<0.5)
(<50/<50/<0.5)
Hoist
Former Product Lines (grouted in place)
Asphalt
Concrete
Former Dispenser Island
B1
B2/MW-1
(3,400/<260/140)
(14,000/6,800/420)
Driveway
Sidewalk
MacArthur Boulevard
LEGEND
B2/MW-1
Groundwater Monitoring Well
B1
Soil Boring, November 1998
A
UST Removal Soil Samples,
March 1994
(930/390/<10)
(930/390/<10)
TPH-G/TPH-D/benzene in ug/L
March 28, 2006
May 6, 2008
KODIAK CONSULTING
660 4th Street, #288
San Francisco, CA 94107
Fig 5: HC in GW 1Q06 & 2Q08
Scale in Feet
(Approximate)
0 5 10 20
DISSOLVED-PHASE
HYDROCARBONS
3600 MacArthur Boulevard
Oakland, California
FIGURE 5


LEGEND
A Tank Soil Sample Location
MW-4 Monitoring Well Location
B1 Soil Boring Location
2006 Air-Knife Boring
2006 Direct-Push Boring
260 TPH-D Concentation is ug/L (*grab)
3600 MacArthur
Magee
Loma Vista
KB-6 <50*
MW-3 <50
MW-2 <50
KB-8 <50*
KB-7 <50*
MW-1 6,800
KB-1
KB-2 <62*
KB-3 <720*
KB-4 <56*
KB-5 <660*
<72*
B
B'
C
C'
storm drain
sewer main
water main
gas lateral
water lateral
Overhead power pole
Pacbell vault
12 KV electrical
Light pole
semi high-pressure gas line
8"-diam sewer
electrical line for street lighting
Video Store
Office
Access Way
Parking Lot
3623 Medical Offices
3625 Childcare
Domino's Pizza
Source: Based on Information obtained from North State Environmental
KODIAK CONSULTING
660 4th Street, #288
San Francisco, CA 94107
Scale In Feet
0 25 50
Dissolved-Phase TPH-D
Scooter's Auto Repair
3600 MacArthur Boulevard
Oakland, California
FIGURE 6
Fig 6: Diss TPH-D ASL 03/12



Source: Based on Information obtained from North State Environmental

KODIAK CONSULTING
660 4th Street, #288
San Francisco, CA 94107

Scale In Feet
0 25 50

Dissolved-Phase TPH-G
Scooter's Auto Repair
3600 MacArthur Boulevard
Oakland, California
FIGURE 7

Fig 7: Diss TPH-G ASL 03/12

ATTACHMENT 7

Table 1. Soil Analytical Data
3600 MacArthur Boulevard, Oakland, California

Sample No.	Date	Sample Depth (ft below grade)	TPH-G (mg/Kg)	TPH-D (mg/Kg)	TPH-MO (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	MTBE (mg/Kg)	HVOCs (8010) (mg/Kg)	SVOCs (8270) (mg/Kg)	Fuel Additives (8260) (mg/Kg)
Tank A	3/31/1994	7.0	<0.5	<1	–	<0.005	<0.005	<0.005	<0.010	–	–	–	–
Tank B	3/31/1994	7.0	5,000	330	–	1.2	26	27	75	–	–	–	–
Tank C	3/31/1994	7.0	6	<1	–	0.013	0.047	0.035	0.18	–	–	–	–
Tank D	3/31/1994	7.0	2.3*	<1	–	<0.005	<0.005	<0.005	<0.010	–	–	–	–
Tank E	3/31/1994	5.0	1.4	<1	87(TEPH)	<0.005	0.012	0.038	0.081	–	<0.01	<1.7	–
B1	10/6/1998	7.0	37.0	24	<10	0.03	0.018	0.2	0.32	<0.005	–	–	–
	10/6/1998	12.0	<0.5	<1	<10	<0.005	<0.005	<0.005	<0.010	<0.005	–	–	–
B2	11/4/1998	4.5	23	42*	<10	0.054	0.065	1	2	<0.005	–	–	–
	11/4/1998	7.0	930	390*	<10	10	4	25	27	<0.125	–	–	–
	11/4/1998	10.0	10	4*	<10	0.11	<0.005	0.075	0.07	<0.005	–	–	–
B3	11/4/1998	4.5	1	<1	<10	<0.005	<0.005	0.075	<0.010	<0.005	–	–	–
	11/4/1998	7.0	33	8*	<10	0.32	0.03	<0.005	0.5	<0.005	–	–	–
	11/4/1998	10.0	<0.5	<1	<10	<0.005	<0.005	0.12	<0.010	<0.005	–	–	–
B4	11/4/1998	4.5	<0.5	4*	<10	<0.005	<0.005	<0.005	<0.010	<0.005	–	–	–
	11/4/1998	7.0	1	<1	<10	<0.005	<0.005	0.02	0.02	<0.005	–	–	–
	11/4/1998	10.0	1.0	<1	<10	<0.005	<0.005	<0.005	<0.010	<0.005	–	–	–
B5	11/4/1998	2.5	–	–	200	–	–	–	–	–	–	–	–
B5	11/4/1998	2.5	–	–	<50	–	–	–	–	–	–	–	–
KB-4-5	3/28/2006	5.0	110	<5	–	<12.5	<12.5	2.2	<25	<12.5	–	–	<MDL
KB-7-8.5-9.0	3/29/2006	8.5	<100	<2.5	–	<0.005	<0.005	<0.005	<0.010	<0.005	–	–	0.040 TBA
Soil Drum	5/6/2008	–	<1.0	<1.0	7.3	<0.005	<0.005	<0.005	<0.005	<0.05	–	–	–

Legend

mg/Kg: Milligrams per kilogram

TPH-G: Total Petroleum Hydrocarbons as Gasoline

TPH-D: Total Petroleum Hydrocarbons as Diesel

MTBE (8020): Methyl Tertiary Butyl Ether analyzed using EPA Method 8020

TOG = Total Oil and Grease

*= Chromatogram did not match typical diesel pattern

Table 1. Soil Analytical Data
3600 MacArthur Boulevard, Oakland, California

Sample No.	Date	Sample Depth (ft below grade)	TPH-G (mg/Kg)	TPH-D (mg/Kg)	TPH-MO (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	MTBE (mg/Kg)	HVOCs (8010) (mg/Kg)	SVOCs (8270) (mg/Kg)	Fuel Additives (8260) (mg/Kg)

TPH-MO: Total Petroleum Hydrocarbons as Motor Oil

TPEH: Total Petroleum Extractable Hydrocarbons

TBA: Tert-butanol

HVOCs: Halogentated volatile organic compounds by EPA Method 8010

SVOCs: Semi-volatile organic compounds by EPA Method 8270

Table 3
Summary of Groundwater Level Monitoring Data

Well ID	Date Monitored	Total Depth of Well (ft)	Screened Interval (ft)	Top of Casing Elevation (ft)*	Depth to Water (ft)	Water Table Elevation (ft)
MW-1	10/25/2013	14.00	4.00-14.00	201.38	4.15	197.23
	10/23/2013**				4.12	197.26
	5/6/2008				3.49	197.89
	3/28/2006				1.07	200.31
	12/23/2005				1.65	199.73
	9/19/2005				3.68	197.70
	7/14/2000				not measured	
	6/30/2000				2.96	198.42
	1/31/2000				1.88	199.50
	10/1/1999				6.51	194.87
	4/9/1999				not measured	
	4/6/1999				1.76	199.62
	11/12/1998				3.24	198.14
MW-2	10/25/2013	14.00	4.00-14.00	201.87	4.41	197.46
	10/23/2013**				4.09	197.78
	5/6/2008				3.45	198.42
	3/28/2006				0.91	200.96
	12/23/2005				1.44	200.43
	9/19/2005				3.64	198.23
	7/14/2000				not measured	
	6/30/2000				2.74	199.13
	1/31/2000				1.61	200.26
	10/1/1999				3.29	198.58
	4/9/1999				not measured	
	4/6/1999				1.43	200.44
	11/12/1998				2.85	199.02
MW-3	10/25/2013	14.00	4.00-14.00	202.11	7.52	194.59
	10/23/2013**				7.21	194.90
	5/6/2008				7.08	195.03
	3/28/2006				7.56	194.55
	12/23/2005				5.35	196.76
	9/19/2005				7.18	194.93
	7/14/2000				not measured	
	6/30/2000				1.83	200.28
	1/31/2000				1.12	200.99
	10/1/1999				8.42	193.69
	4/9/1999				not measured	
	4/6/1999				2.91	199.20
	11/12/1998				3.43	198.68

Notes
NA = Not Available.
* = Surveyed on 11/12/98 by unnamed Registered Civil Engineer. .
** = Prior to well re-development.

Table 4
Summary of Groundwater Monitoring Well Sample Laboratory Analytical Results

Sample ID	Sampling Date	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	Other VOCs by EPA Method 8260B
MW-1	10/24/2013	**160**	ND<50	ND<100	ND<250	ND<0.50	**2.9**	ND<0.50	ND<0.50	ND<0.50	All ND
	5/6/2008	**14,000**	**6,800, ****	NA	**280**	ND<5.0	**420**	**120**	**760**	**790**	All ND
	3/28/2006	**3,400**	ND<260	NA	ND<1,000	ND<5	**140**	27	**170**	**160**	All ND
	12/23/2005	**2,100**	ND<50	NA	ND<200	ND<5.0	**75**	7.0	25	5.6	All ND
	9/19/2005	**2,700**	ND<50	NA	ND<250	ND<25	**69**	6.5	14	3.3	NA
	7/14/2000*	NA	**1,500, ****	NA	NA	NA	NA	NA	NA	NA	ND<100
	6/30/2000	**4,100**	NA	NA	NA	ND<0.5	**260**	**69**	**320**	**510**	NA
	1/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/1/1999	**2,600**	**190, ****	NA	NA	ND<0.5	**290**	20	**190**	**46**	NA
	4/9/1999	**4,400**	ND<50	NA	NA	ND<0.5	**320**	33	**240**	**240**	NA
	4/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/12/1998	**6,200**	**540**	NA	ND<50	ND<0.5	**420**	**47**	ND<0.5	**210**	NA
MW-2	10/24/2013	ND<50	ND<50	ND<100	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND
	5/6/2008	ND<50	ND<50	NA	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	3/28/2006	ND<25	ND<52	NA	ND<210	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	12/23/2005	ND<25	ND<50	NA	ND<200	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	9/19/2005	ND<25	ND<50	NA	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	7/14/2000*	NA	ND<50, **	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/2000	**130**	NA	NA	NA	ND<0.5	0.7	ND<0.5	1.0	2.0	NA
	1/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/1/1999	ND<50	**110, ****	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	NA
	4/9/1999	ND<50	ND<50	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	NA
	4/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/12/1998	ND<50	ND<50	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	NA
MW-3	10/24/2013	ND<50	ND<50	ND<100	ND<250	0.85	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND
	5/6/2008	ND<50	ND<50	NA	ND<250	0.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	3/28/2006	ND<25	ND<59	NA	ND<240	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	12/23/2005	ND<25	ND<50	NA	ND<200	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	9/19/2005	ND<25	ND<50	NA	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	All ND
	7/14/2000*	NA	ND<50, **	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/2000	ND<50	NA	NA	NA	ND<0.5	0.8	0.5	0.9	3.0	NA
	1/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/1/1999	ND<50	80, **	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	NA
	4/9/1999	ND<50	ND<50	NA	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	NA
	4/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/12/1998	ND<50	ND<50	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	NA
ESL 1		*100*	*100*	*100*	*100*	*5.0*	*1.0*	*40*	*30*	*20*	*Various*
ESL 2		*No Value*	*No Value*	*No Value*	*No Value*	*9,900*	*27*	*95,000*	*310*	*37,000*	*Various*
ESL 3		*No Value*	*No Value*	*No Value*	*No Value*	*100,000*	*270*	*No Value*	*3,100*	*No Value*	*Various*

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
MTBE = Methyl-tert butyl Ether.
ND = Not Detected.
NA = Not Analyzed.
* = Well not prurged prior to sample collection. North State Environmental (NSE) sampled 6/30/00. The TPH-D sample expired prior to analysis. NSE returned to the site 7/14/00 and collected samples for TPH-D analysis without purging first.
** = Chromatogram does not match diesel.
ESL_1 = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board Board updated, December 2013, from Table F-1a - Groundwater Screening Levels groundwater is a current or potential source of drinking water.
ESL_2 = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board Board updated, December 2013, from Table E-1 - Groundwater Screening Levels fo Evaluation of Potential Vapor Intrusion. Fine-coarse Mix. Residential Land Use.
ESL_3 = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board Board updated, December 2013, from Table E-1 - Groundwater Screening Levels fo Evaluation of Potential Vapor Intrusion. Fine-coarse Mix. Commercial/Industrial Land Use.
BOLD = Concentration in excess of applicable ESL_1 value.
Results and ESLs in µg/L (micrograms per liter), unless otherwise indicated.

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TABLE 1
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	TPHmo	TPHbo	B	T	E	X	MTBE	Other VOCs
11/12/98 a	MW-1 (201.38)✶	14	4-14	3.24*	198.14	No sheen or odor	6200	540	ND <500	NA	420	47	ND <0.5	210	ND <0.5	Not Analyzed
4/06/99a				1.76*	199.62	No sheen Slight H/C odor	4400	ND <50	NA	NA	320	33	240	240	ND <0.5	Not Analyzed
10/01/99 a				3.51*	197.87	No sheen Slight odor	2600	190e	NA	NA	290	20	190	46	ND <0.5	Not Analyzed
1/31/00a ✶				1.88*	199.50	--	--	--	--	--	--	--	--	--	--	--
6/30/00b				2.98*	198.42	No sheen Strong odor	4100	NA	NA	NA	260	69	320	510	ND <0.5	Not Analyzed
7/14/00b ★				--	--	--	--	1500e	--	--	--	--	--	--	--	--
9/19/05c				3.68*	197.70	No sheen Strong H/C odor	2700	ND <50	ND <250	NA	69	6.5	14	3.3	ND <5.0	None Detected<2.5
12/23/05 c				1.65*	199.73	Slight sheen Petroleum odor	2100	ND <50	ND <200	NA	75	7.0	25	5.6	ND <5.0	None Detected<5.0
3/28/06c				1.07*	200.31	Slight sheen H/C odor	3600	ND <260	ND <1000	NA	140	27	170	160	ND <5	None Detected<2.5
5/06/08c				3.49*	197.89	Slight sheen H/C odor	14000	6800e	280	NA	420	120	760	790	ND <5.0	None Detected<5.0
10/22/13 d✶				4.12♦	197.26	Light sheen Hydrocarbon odor	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
10/25/13 d				4.15♦	197.23	No sheen or odor	160	ND <50	ND <250	ND <100	2.9	ND <0.50	ND <0.50	ND <0.50	ND <0.50	None Detected<0.50
10/13/14				4.20♦	197.18	No sheen Slight petroleum odor	1000f	97f	ND <300	NA	6.8	ND <0.5	ND <0.5	ND <0.5	ND <0.5	Isopropylbenzene 1.9 Propylbenzene 3.6 sec-Butylbenzene 0.7 n-Butylbenzene 1.1
11/12/98 a	MW-2 (201.87) ✶	14	4-14	2.85*	199.02	No sheen or odor	ND <50	ND <50	ND <500	NA	ND <0.50	ND <0.50	ND <0.50	ND <1	ND <0.50	Not Analyzed
4/06/99a				1.43*	200.44	No sheen or odor	ND <50	ND <50	NA	NA	ND <0.50	ND <0.50	ND <0.50	ND <1	ND <0.50	Not Analyzed

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TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	TPHmo	TPHbo	B	T	E	X	MTBE	Other VOCs
10/01/99 a	MW-2 (201.87) ✶	14	4-14	3.29*	198.58	No sheen or odor	ND <50	110e	NA	NA	ND <0.50	ND <0.50	ND <0.50	ND <1	ND <0.50	Not Analyzed
1/31/00a ✶				1.61	200.26	--	--	--	--	--	--	--	--	--	--	--
6/30/00b				2.74*	199.13	No sheen or odor	130	NA	NA	NA	0.7	ND <0.50	1.0	2.0	ND <0.50	Not Analyzed
7/14/00b ★				--	--	--	--	ND <50e	--	--	--	--	--	--	--	--
9/19/05c				3.64*	198.23	No sheen or odor	ND <25	ND <50	ND <250	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.0	None Detected<0.50
12/23/05 c				1.44*	200.43	No sheen or odor	ND <25	ND <50	ND <200	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.0	None Detected<0.50
3/28/06c				0.91*	200.96	No sheen or odor	ND <25	ND <52	ND <210	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.0	None Detected<0.50
5/06/08c				3.45*	198.42	No sheen or odor	ND <50	ND <50	ND <250	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <5.0	TBA 2.5
10/22/13 d✶				4.09♦	197.78	No sheen or odor	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
10/25/13 d				4.41♦	197.46	No sheen or odor	ND <50	ND <50	ND <250	ND <100	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	None Detected<0.50
10/13/14				4.27♦	197.60	No sheen or odor	ND <50	ND <50	ND <300	NA	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	None Detected<0.5
11/12/98 a	MW-3 (202.11) ✶	14	4-14	3.43*	198.68	No sheen or odor	ND <50	ND <50	ND <500	NA	ND <0.50	ND <0.50	ND <0.50	ND <1	ND <0.50	Not Analyzed
4/06/99a				2.91*	199.20	No sheen or odor	ND <50	ND <50	NA	NA	ND <0.50	ND <0.50	ND <0.50	ND <1	ND <0.50	Not Analyzed
10/01/99 a				8.42♦	193.69	No sheen or odor	ND <50	80e	NA	NA	ND <0.50	ND <0.50	ND <0.50	ND <1	ND <0.50	Not Analyzed
1/31/00a ✶				1.12*	200.99	--	--	--	--	--	--	--	--	--	--	--

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TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	TPHmo	TPHbo	B	T	E	X	MTBE	Other VOCs
6/30/00b	MW-3 (202.11) ✱	14	4-14	1.83*	200.28	No sheen or odor	130	NA	NA	NA	0.8	0.5	0.9	3.0	ND <0.50	Not Analyzed
7/14/00b ★				--	--	--	--	ND <50e	--	--	--	--	--	--	--	--
9/19/05c				7.18♦	194.93	No sheen or odor	ND <25	ND <50	ND <250	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.0	None Detected<0.50
12/23/05 c				5.35♦	196.76	No sheen or odor	ND <25	ND <50	ND <200	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.0	None Detected<0.50
3/28/06c				7.56♦	194.55	No sheen or odor	ND <25	ND <59	ND <240	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.0	None Detected<0.050
5/06/08c				7.08♦	195.03	No sheen or odor	ND <50	ND <50	ND <250	NA	ND <0.50	ND <0.50	ND <0.50	ND <0.50	0.72	None Detected<0.50
10/22/13 d✱				7.21♦	194.90	No sheen or odor	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
10/25/13 d				7.52♦	194.59	No sheen or odor	ND <50	ND <50	ND <250	ND <100	ND <0.50	ND <0.50	ND <0.50	ND <0.50	0.85	None Detected<0.50
10/13/14				4.22♦	197.89	No sheen or odor	ND <50	ND <50	ND <300	NA	ND <0.5	ND <0.5	ND <0.5	ND <0.5	3.7	None Detected<0.5

TPHg - Total Petroleum Hydrocarbons as gasoline
TPHd - Total Petroleum Hydrocarbons as diesel
TPHmo - Total Petroleum Hydrocarbons as motor oil
TPHbo - Total Petroleum Hydrocarbons as bunker oil
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
MTBE - Methyl Tertiary Butyl Ether
VOCs - Volatile Organic Compounds
TBA - Tertiary Butyl Alcohol
GW Elev. - Groundwater Elevation
Perf. - Perforation
NA - Not Analyzed
N/A - Not Available
ND - Not Detected (Below Laboratory Detection Limit)
NS - Not Sampled
✱ Surveyed on 11/12/98 by unnamed Registered Civil Engineer