



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

September 3, 2014

Chad Kiltz (Sent via e-mail to [Chad.Kiltz@lennar.com](mailto:Chad.Kiltz@lennar.com))  
Lennar Homes of California, Inc.  
6111 Bollinger Canyon Road, #550  
San Ramon CA 94587

Subject: Case Closure for Site Cleanup Program (SCP) Case No. RO0003101 and GeoTracker  
Global ID T10000004351, Chipman Moving & Storage, 1551 Buena Vista Avenue,  
Alameda, CA 94501

Dear Responsible Parties:

This letter confirms the completion of site investigation actions for the soil and groundwater at the above referenced site. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions. The subject SCP 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.swrcb.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

#### **SITE INVESTIGATION AND CLEANUP SUMMARY**

Please be advised that the following conditions exist 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.

If you have any questions, please call Dilan Roe at (510) 567-6767. Thank you.

Sincerely,

Dilan Roe, P.E.  
Program Manager – Land Use & Local Oversight Program

Enclosure: Case Closure Summary

cc: Andrew Thomas, City of Alameda, (sent by e-mail to: [athomas@ci.alameda.ca.us](mailto:athomas@ci.alameda.ca.us))  
Peter Langtry, Cornerstone Earth Group, (Sent via e-mail to: [plangtry@cornerstoneearth.com](mailto:plangtry@cornerstoneearth.com))  
Shawn Munger, ENGE0, (Sent via e-mail to: [smunger@engeo.com](mailto:smunger@engeo.com))  
Dilan Roe, ACEH, [dilan.roe@acgov.org](mailto:dilan.roe@acgov.org)  
Karel Detterman, ACEH, [karel.dettermasn@acgov.org](mailto:karel.dettermasn@acgov.org)  
GeoTracker, eFile

**CASE CLOSURE SUMMARY  
SITE CLEANUP PROGRAM**

**I. AGENCY INFORMATION**

Date: September 2, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Responsible Staff Person: Karel Detterman	Title: Hazardous Materials Specialist

**II. CASE INFORMATION**

Site Facility Name: Chipman Moving & Storage		
Site Facility Address: 1551 Buena Vista Avenue Alameda, CA 94501		
RB Case No.: ----	Previous Case STiD No.: ----	LOP Case No.: RO0003101
GeoTracker ID: T10000004351	APN: 72-384-31 and 72-384-33	
Current Land Use: Residential		
Responsible Parties	Addresses	Phone Numbers
Chad Kiltz	Lennar Homes of California, Inc. 6111 Bollinger Canyon Road, #550 San Ramon CA 94587	None listed

This Case Closure Summary along with the Case Closure Transmittal letter provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. 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.

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Existence of undocumented fill probably comprised of dredged soil and imported fill, releases from underground, aboveground storage tanks and a former Pennzoil pipeline, and railroad spurs, surface spills, historical farm usage.		
Primary constituents of concern: Lead, Gasoline, Diesel, Motor Oil, Hydraulic Oil		
Areas of site investigated for this case: Examples: All areas of suspected releases, underground storage tanks, aboveground storage tanks, footprint of former Pennzoil pipeline, and railroad spurs.		
Remediation attempted or completed: Soil Excavation in area of high lead concentration.		
Number of monitoring wells installed: one	Number of monitoring wells destroyed: one	Number of monitoring wells remaining: none
Highest Groundwater Depth Below Ground Surface: 4.02 feet bgs	Lowest Depth: 9.23 feet bgs	Flow Direction: Predominantly North-Northeast*
Most Sensitive Current Groundwater Use: Potential drinking water source		

\*Groundwater gradient from adjacent site RO#0000618.

Summary of Production Wells in Vicinity:	
<p>The groundwater gradient direction appears to be predominantly to the north-northeast; There were no water supply wells found to be located within a radius of 2,000 feet downgradient of the site in Alameda. There are a number of industrial and irrigation wells located down and cross gradient of the site. The closest downgradient well appears to be an industrial well located at a closed Fuel Leak case RO0000618, Encinal Terminals, 1521 Buena Vista Avenue, Alameda, a distance of approximately 200 feet north northeast of the site. The closest cross gradient wells appear to be four irrigation wells located at the former Del Monte Cannery, 1501 Buena Vista Avenue, Alameda, a distance of approximately 100 feet west of the site. Based on the location of the wells with respect to the site, the well is not expected to be a receptor for the site.</p>	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest Surface Water Name: The Alameda Harbor is approximately 300 feet northeast of the site.

**LTCP GROUNDWATER SPECIFIC CRITERIA - PETROLEUM**

LTCP Groundwater Specific Scenario under which case was closed: Scenario 5

Site Data		LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	80 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 & 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	Fortmann Marina approximately 90 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	Yes	Not applicable

**GROUNDWATER CONCENTRATIONS**

Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	<0.5	<0.5	No criteria	3,000	No criteria	1,000
MTBE	---	---	No criteria	1,000	No criteria	1,000
List other chemicals of specific concern	---	---				

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

\* Plume length associated with 2,000 gallon diesel UST removed in 1994.

**LTCP VAPOR SPECIFIC CRITERIA FOR PETROLEUM**

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 ---

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 NAPL	No NAPL	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	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 Bioattenuation Zone	160 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	<0.5 ppb	No criteria	No criteria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	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	---	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 (µg/m <sup>3</sup> )	Current Maximum (µg/m <sup>3</sup> )	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?

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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 as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?

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\* No BTEX or naphthalene was reported in soil & groundwater analytical sample results. Therefore, the site is considered low risk for VI to indoor air.



DIRECT CONTACT CRITERIA – NON-PETROLEUM CONTAMINANTS (LEAD)	
Are maximum soil concentrations within the upper 10 feet less than relevant screening criteria?	Yes, see Additional Comments and Conclusion.
Has a determination been made that the potential for direct contact with site contamination in shallow soil (upper 10 feet) poses a low threat to human health and safety under the current land use?	Yes
Has a determination been made that the potential for direct contact with site contamination in shallow soil (upper 10 feet) poses a low threat to human health and safety if land use changes to a residential or other conservative land use in the future?	Not Applicable

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA - PETROLEUM						
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 (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 10 feet bgs (ppm)
Site Maximum	Benzene	<0.0069	<0.0038	<0.0069	<0.0038	<0.0069
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	<0.0069	<0.0038	<0.0069	<0.0038	<0.0069
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	<0.014	<0.0076	<0.014	<0.0076	<0.014
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	0.034	----	0.034	----	0.034
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?			---			

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes	
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes	
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.	
<b>Site Management Requirements:</b> None. 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.	
Should corrective action be reviewed if land use changes? No	
Was a deed restriction or deed notification filed? No	Date Recorded: ----

#### V. ADDITIONAL COMMENTS AND CONCLUSION

<p><b>Additional Comments:</b></p> <p>In December 2012 approximately 22 cubic yards of soil was over excavated adjacent and west of the existing warehouse where soil sample EB-1 detected lead at 110 milligrams per kilogram (mg/kg), exceeding the SFBRWQCB December 2013 Environmental Screening Levels of 80 mg/kg. The confirmation sample detected 77 mg/kg. Lead in shallow soil does not appear to be a concern, based on the lead analytical results in remaining soil.</p> <p><b>Conclusion:</b></p> <p>Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy for petroleum releases, and that the levels of residual lead contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup for the fuel leak case and residual asbestos contamination is necessary. ACEH staff recommend case closure.</p>
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**VI. LOCAL AGENCY REPRESENTATIVE DATA**

Prepared by: Karel Detterman, P.G.	Title: Hazardous Materials Specialist
Signature: <i>Karel Detter</i>	Date: <i>9/2/2014</i>
Approved by: Dilan Roe, P.E.	Title: LOP and SCP Program Manager
Signature: <i>Dilan Roe</i>	Date: <i>9/2/2014</i>

**VII. REGIONAL BOARD AND PUBLIC NOTIFICATION**

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: 5/24/2013	
Public Notification Date: 8/6/2013	

**VIII. MONITORING WELL DESTRUCTION**

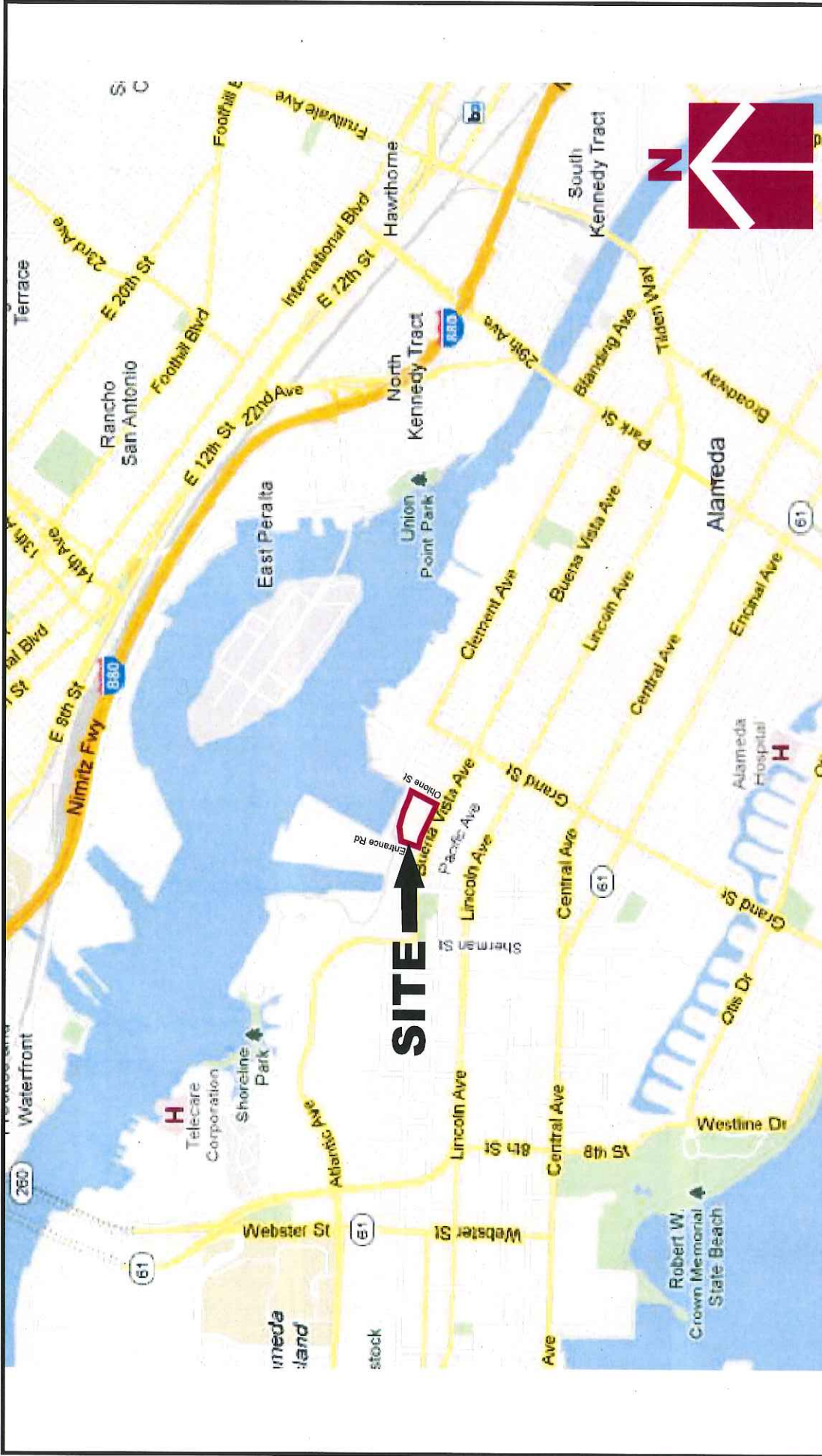
Date Requested by ACEH: 8/20/2013	Date of Well Destruction Report: 3/27/2014	
All Monitoring Wells Destroyed: Yes	Number Destroyed: One	Number Retained: None
Reason Wells Retained: ----		
Additional requirements for submittal of groundwater data from retained wells: ----		
ACEH Concurrence - Signature: <i>Karel Detter</i>	Date: <i>9/2/2014</i>	

Attachments:

1. Site Vicinity Map and Aerial Photo (2 pp)
2. Site Plan (4 p)
3. Soil Analytical Data and Sample Location Figures (18 pp)
4. Groundwater Analytical Data and Sample Location Figures (4 pp)




# ATTACHMENT 1



Project Number	557-1-1
Figure Number	Figure 1
Date	June 2012
Drawn By	RRN

Vicinity Map

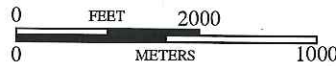
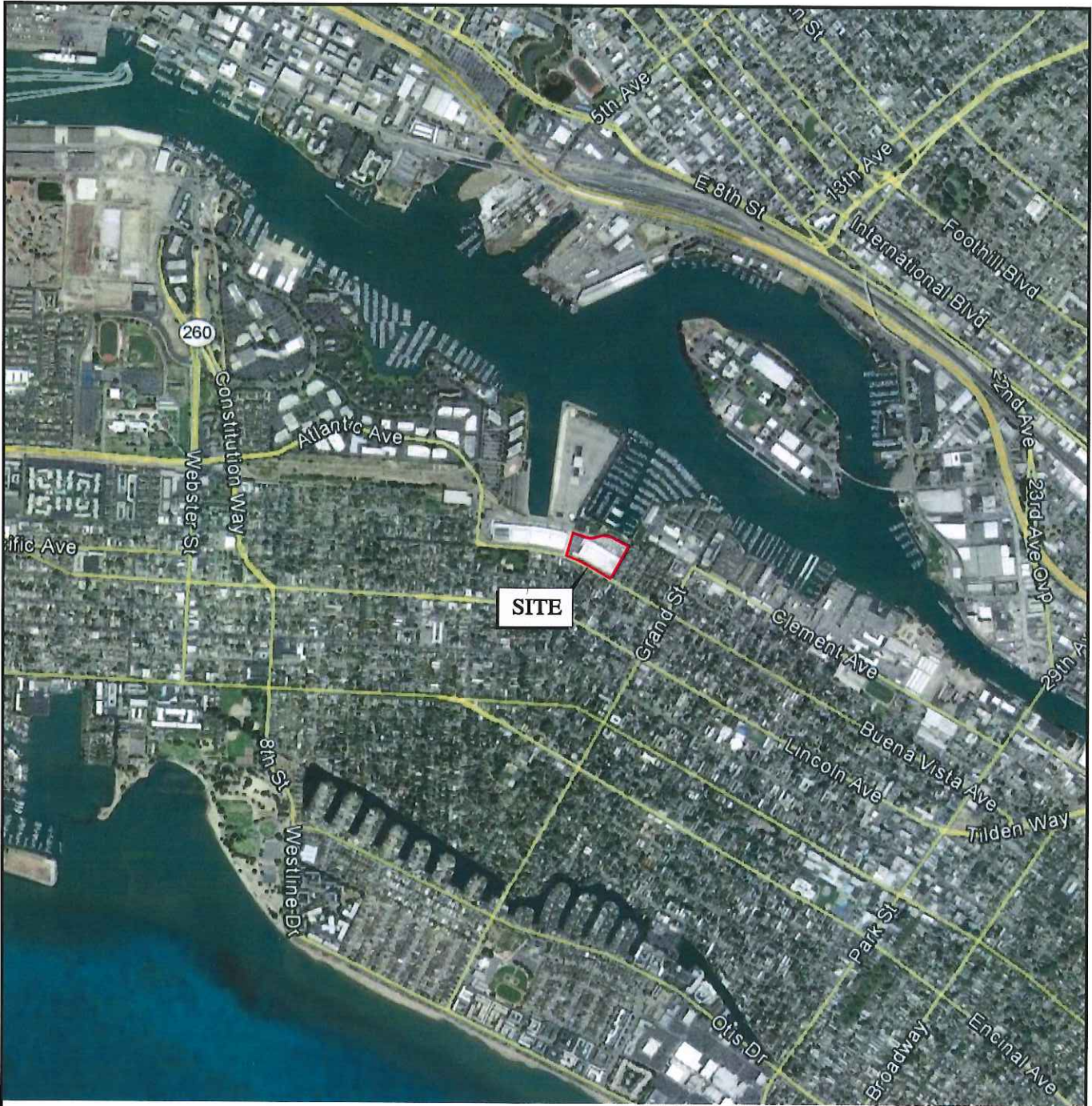
**Marina Cove**  
**Buena Vista Avenue**  
**Alameda, CA**



**CORNERSTONE**  
**EARTH GROUP**



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BASE MAP SOURCE: GOOGLE EARTH PRO



VICINITY MAP  
1551 BUENA VISTA AVENUE  
ALAMEDA, CALIFORNIA

PROJECT NO.: 10037.000.000

FIGURE NO.

SCALE: AS SHOWN

1

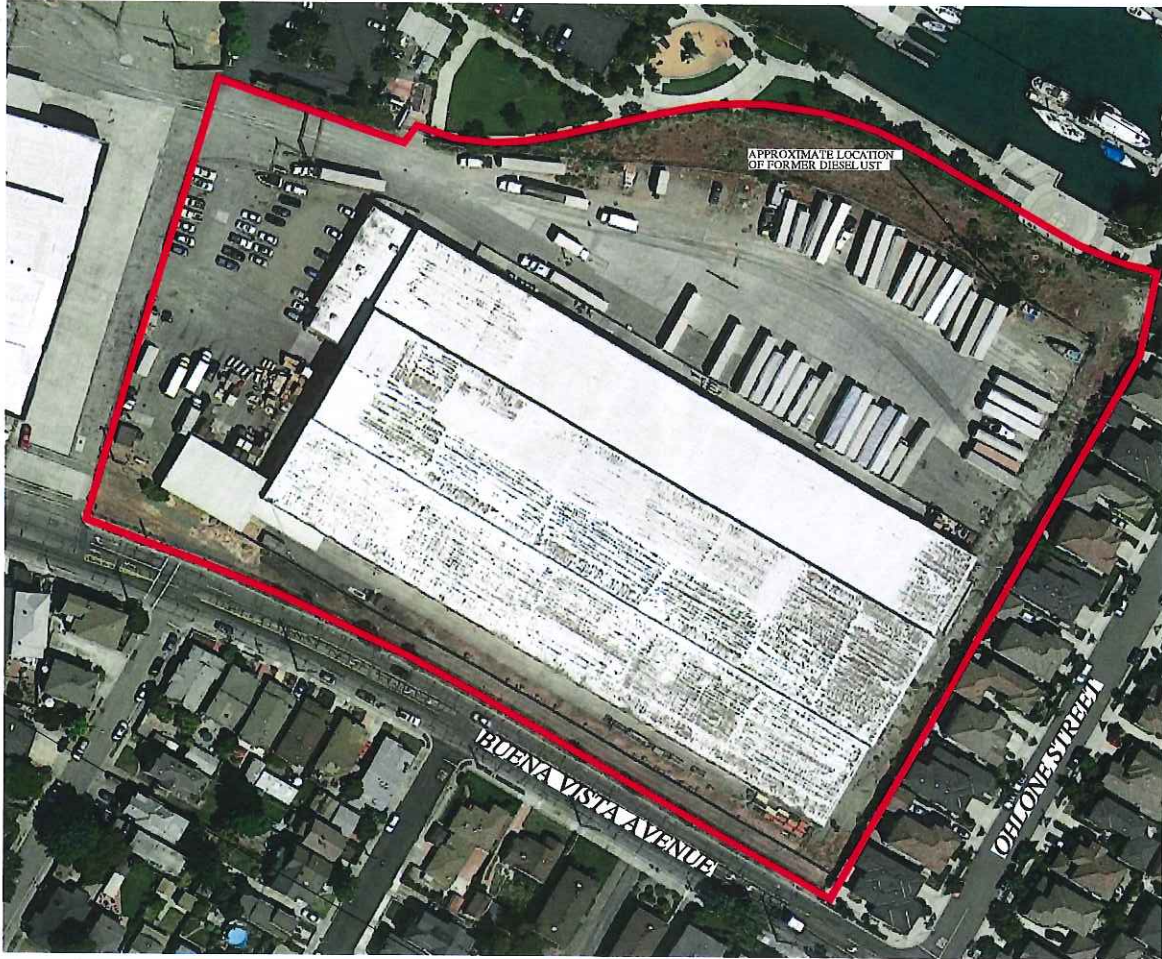
DRAWN BY: LL

CHECKED BY: SM

# ATTACHMENT 2



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BASE MAP SOURCE: GOOGLE EARTH PRO



SITE PLAN  
1551 BUENA VISTA AVENUE  
ALAMEDA, CALIFORNIA

PROJECT NO.: 10037.000.000

SCALE: AS SHOWN

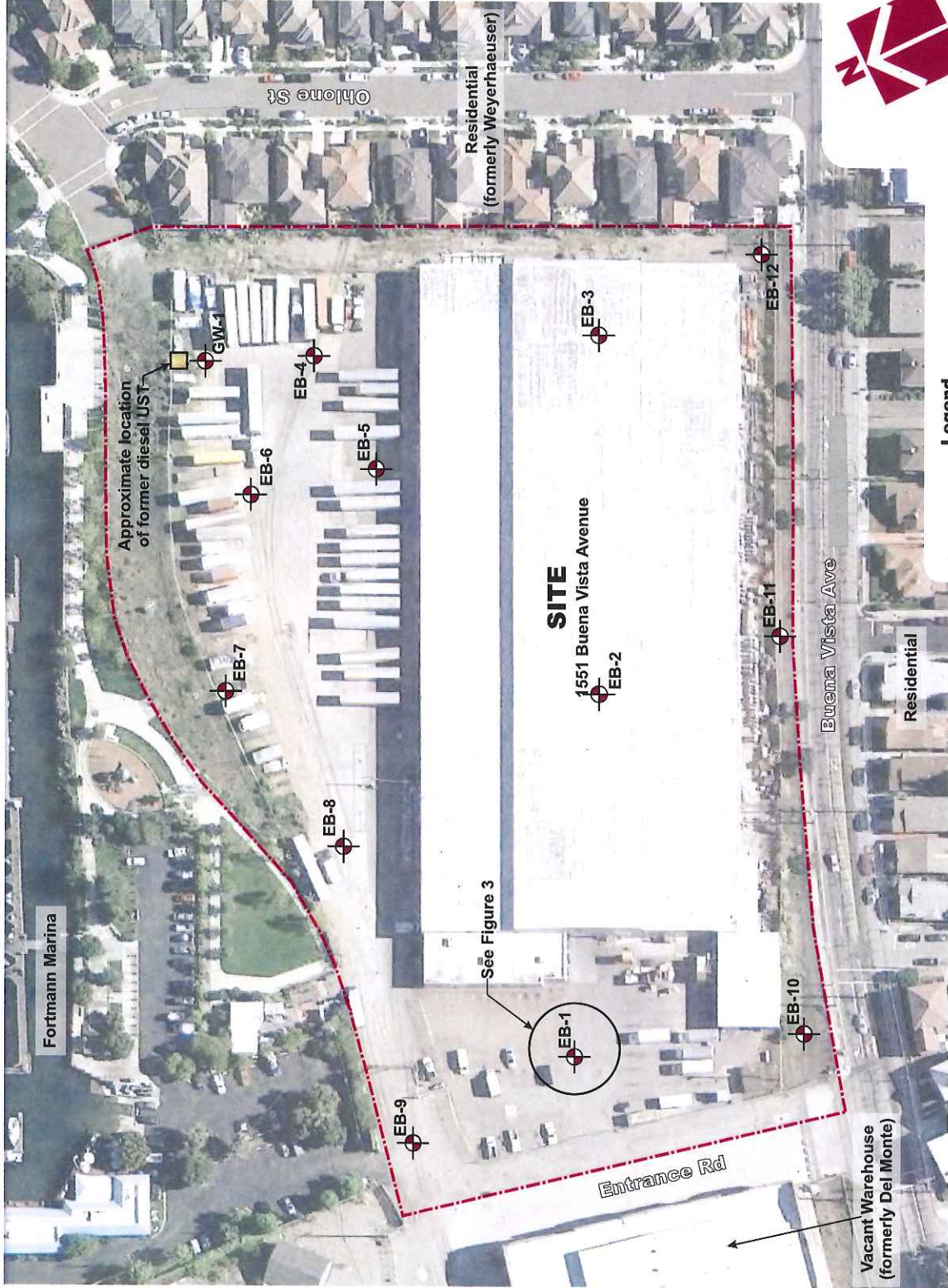
DRAWN BY: LL

CHECKED BY: SM

FIGURE NO.

2

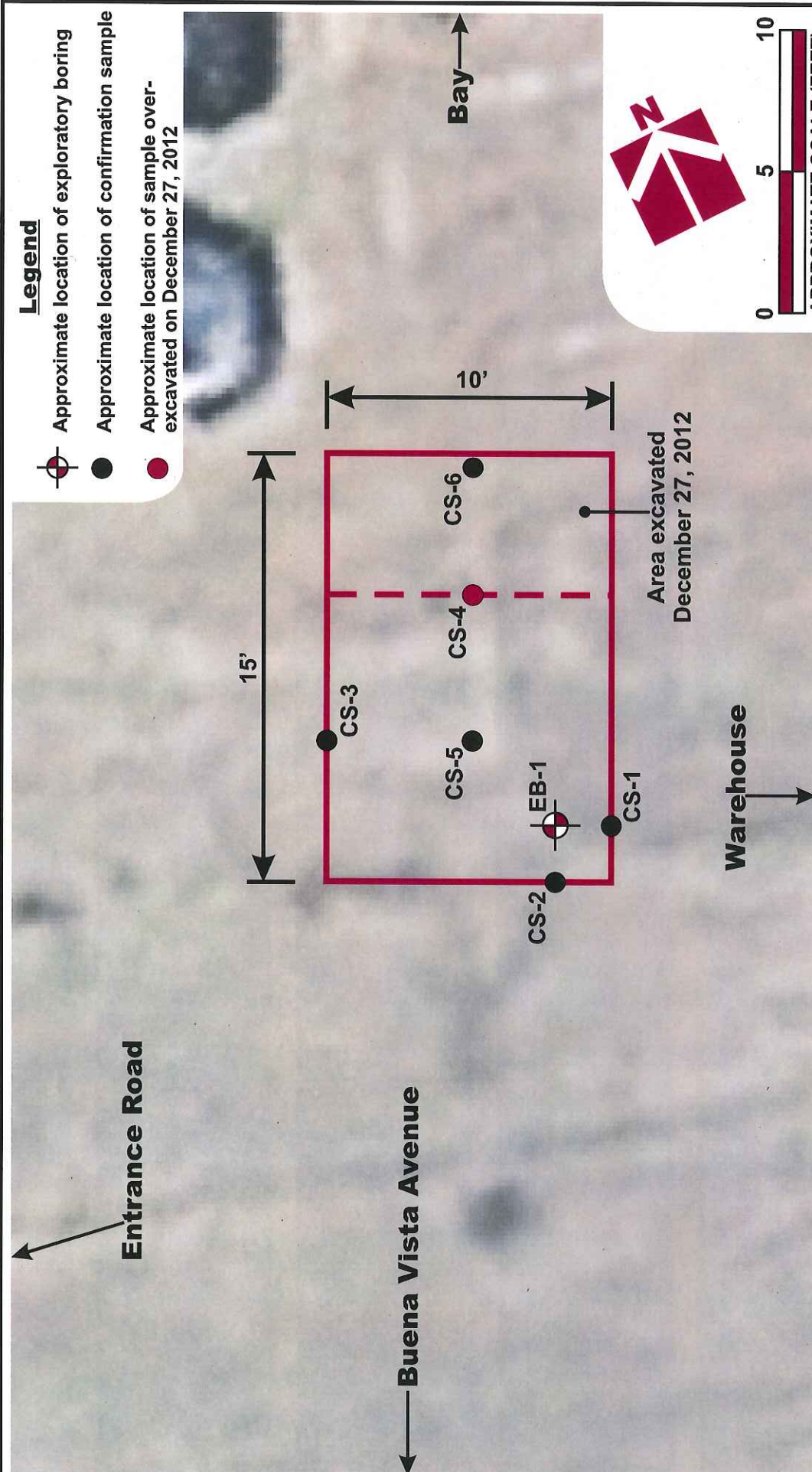




**Legend**  
 [Symbol] Approximate location of exploratory boring (EB)

Base by Google Earth, dated 10/23/2011





**Legend**

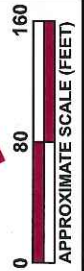
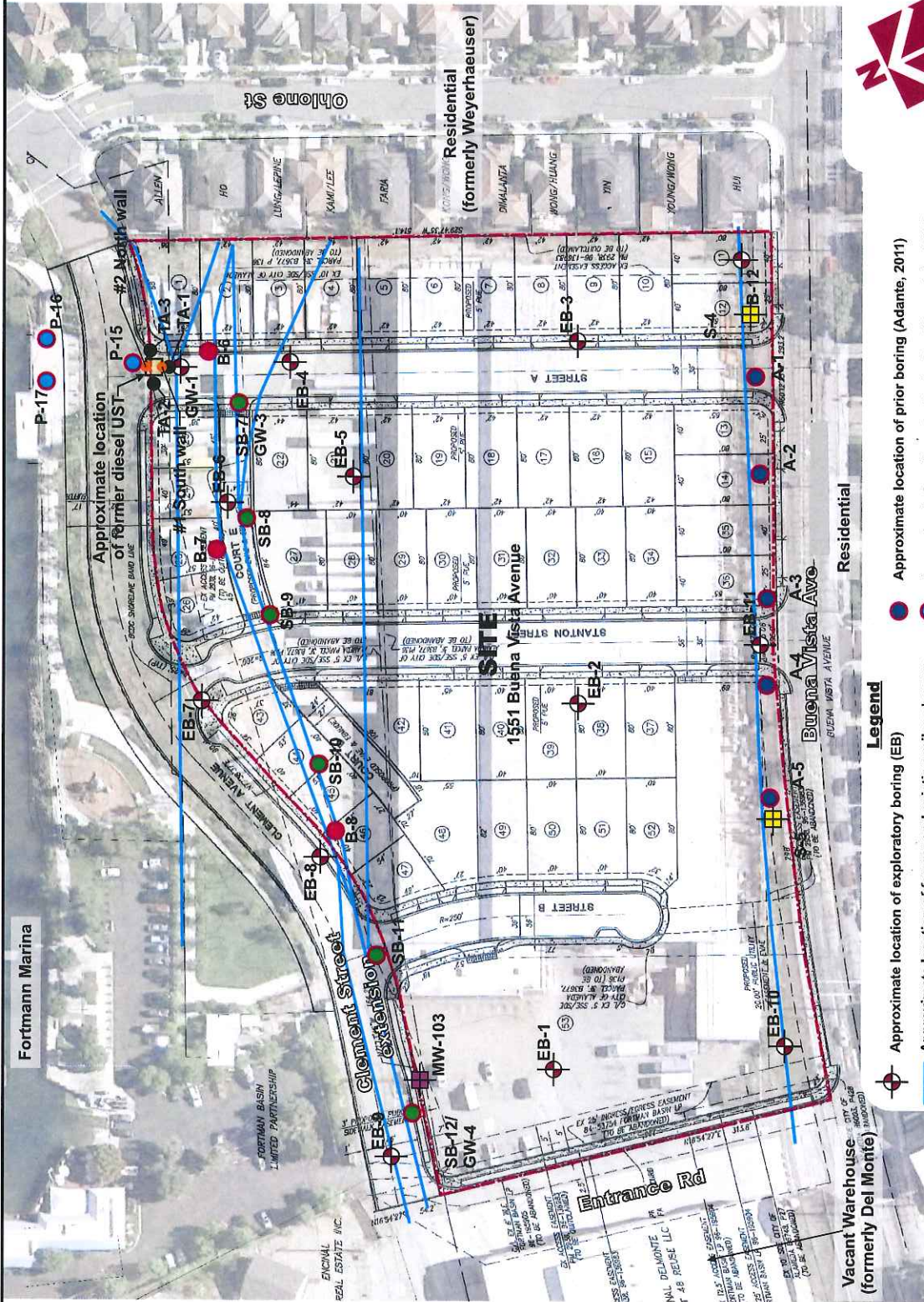
- ⊕ Approximate location of exploratory boring
- Approximate location of confirmation sample
- (red) Approximate location of sample over-excavated on December 27, 2012











Base by Google Earth, dated 8/28/2012

	<b>Site Plan</b> Marina Cove 1551 Buena Vista Avenue Alameda, CA	
	Project Number 557-1-4	Figure Number Figure 3
Date December 2012		Drawn By RRN





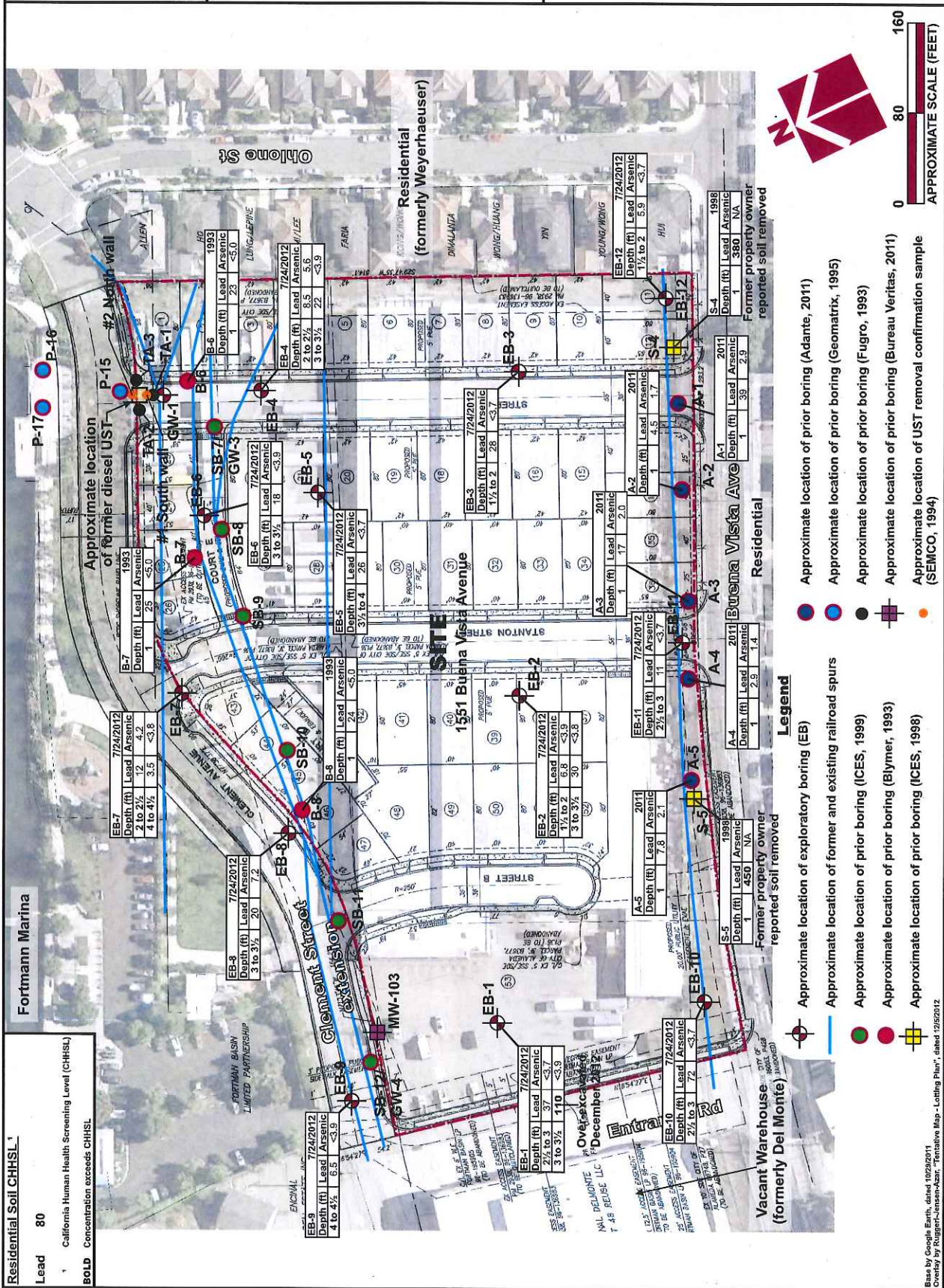


- Legend**
-  Approximate location of exploratory boring (EB)
  -  Approximate location of former and existing railroad spurs
  -  Approximate location of prior boring (ICES, 1999)
  -  Approximate location of prior boring (Blymer, 1993)
  -  Approximate location of prior boring (ICES, 1998)
  -  Approximate location of prior boring (Adante, 2011)
  -  Approximate location of prior boring (Geomatrix, 1995)
  -  Approximate location of prior boring (Fugro, 1993)
  -  Approximate location of prior boring (Bureau Veritas, 2011)
  -  Approximate location of UST removal confirmation sample (SEMCO, 1994)

Base by Google Earth, dated 10/29/2011  
Overlay by Ruggert-Jensen-Azar, "Tentative Map - Lotting Plan", dated 12/5/2012

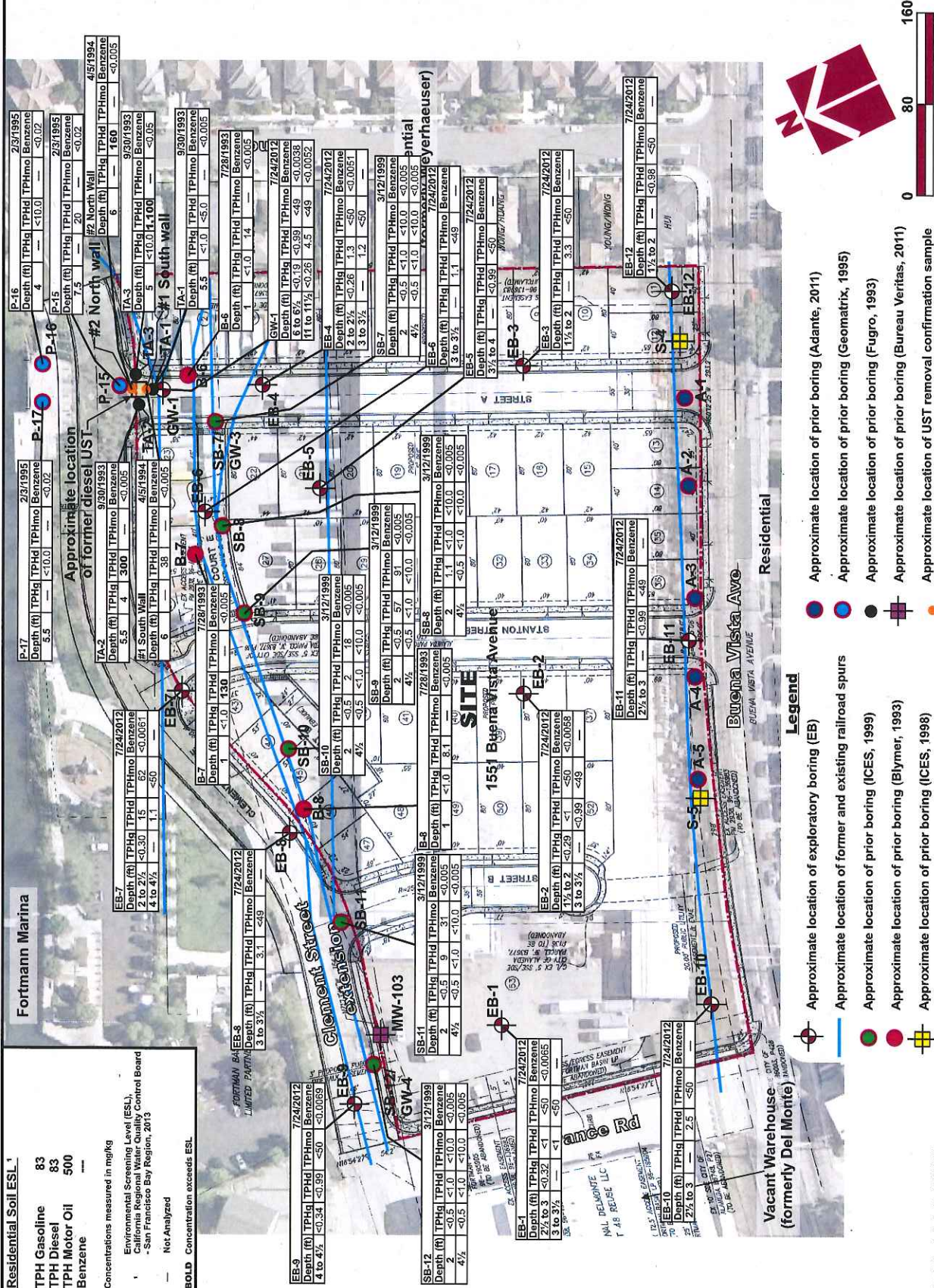
# ATTACHMENT 3



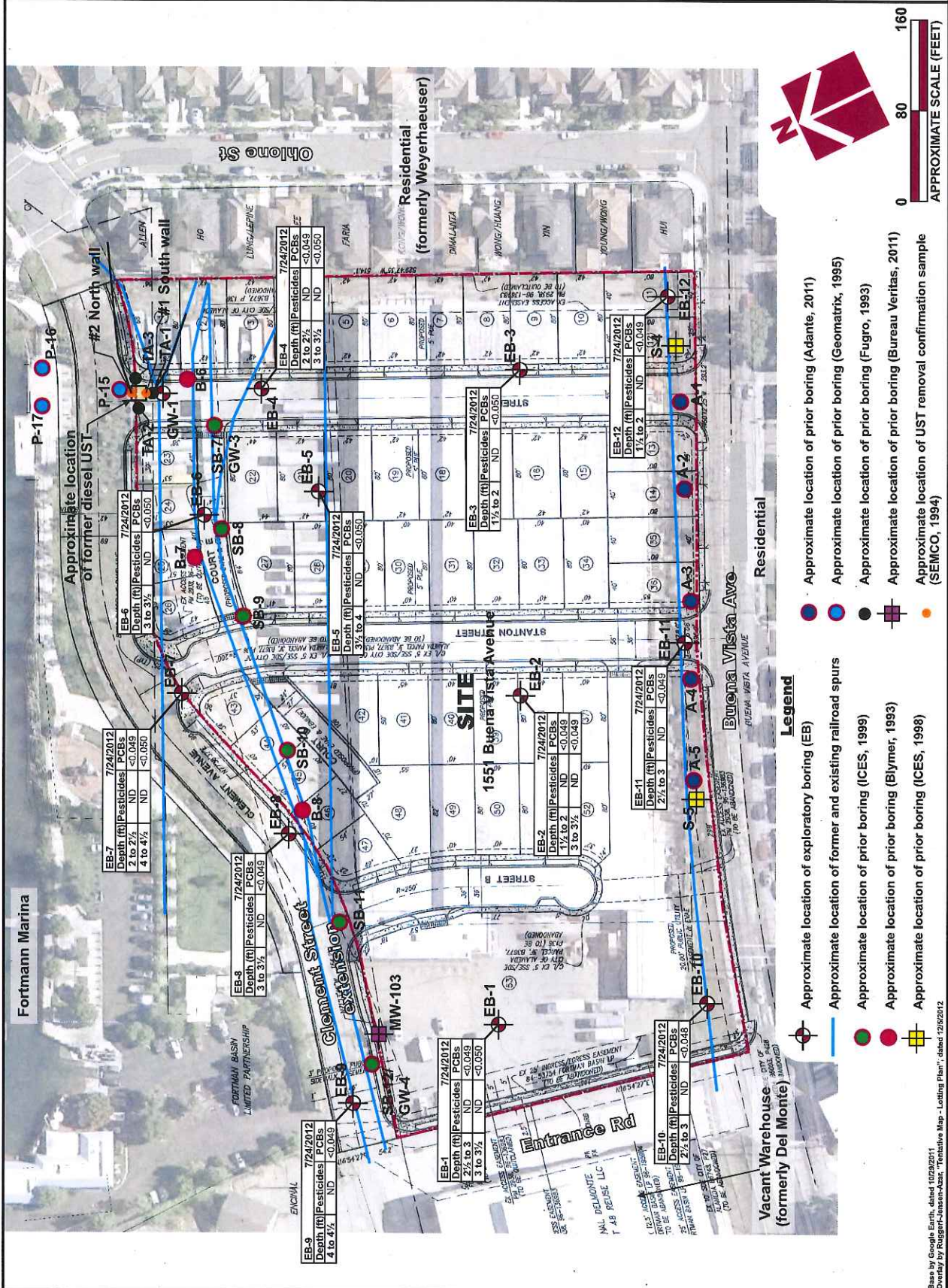


Base by Google Earth, dated 1/10/2011  
 Overlay by Ruggieri-Jensen-Abruzzo, "Tentative Map - Looting Plan", dated 12/15/2012









Base by Google Earth, dated 1/29/2011  
 Overlay by Ruggieri-Jensen-Azari, "Timbalive Map - Lotting Plan", dated 12/9/2012



**Table 1. Analytical Results of Selected Confirmation Samples - Lead**

(Concentrations in mg/kg)

Sample Location	Location	Date	Approximate Depth (feet)	Lead
CS-1	Sidewall	12/19/2012	3	31
CS-2	Sidewall	12/19/2012	3	3
CS-3	Sidewall	12/19/2012	3	6.6
<b>CS-4</b>	<b>removed</b>	<b>12/19/2012</b>	<b>3</b>	<b>950</b>
CS-5	bottom	12/19/2012	4	3
CS-6	Sidewall	12/19/2012	3	77
Typical Background Concentration <sup>1</sup>				12.4 to 97.1
Residential Soil CHHSL <sup>2</sup>				80

1 Bradford, et.al. March 1996. Background Concentrations of Trace and Major Elements in California Soils.

2 California Human Health Screening Level (CHHSL) - Cal/EPA - September 2010

BOLD Sample exceeds residential CHHSL

Red Indicates sample location that was over-excavated and removed for off-site disposal



**TABLE 3**  
**Soil Analytical Results - TPH**  
1501-1521, 1523 and 1551 Buena Vista Avenue  
Alameda, Alameda County, California  
Bureau Veritas Project No. 33110-010584.02

Boring ID	Sample Depth (feet bgs)	Sample Date	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)
SB-15	8.0'	5/25/2011	<1	12	14
MW-101	6.5 - 7.0'	8/9/2011	<0.98	<0.99*	<5.0*
SB-11	8.0'	5/25/2011	<1	13	43
MW-102	6.5 - 7.0'	8/9/2011	<1.1	15 Y*	47*
SB-17	8.0'	5/25/2011	<1	2.0	<10
MW-103	5.5 - 6.0'	8/9/2011	<0.99	1.6 Y*	7.6*
SB-6	8.0'	5/24/2011	<1	23	40
MW-105	6.5 - 7.0'	8/9/2011	<0.95	7.2 Y*	31*
RWQCB ESL- Commercial			83	83	2,500

**Notes:**

Samples reported in milligrams per kilogram (mg/Kg)

SB-6, SB-11, SB-15 and SB17 were collected by Adanta, Inc.

MW-101 to MW-103 and MW-105 collected by Bureau Veritas

bgs = below ground surface

< 5.0 = not detected above analytical laboratory reporting limit

Y = Sample exhibits chromatographic pattern which does not resemble standard

TPH = Total petroleum hydrocarbons

TPH-g = TPH quantified as gasoline; analyzed by USEPA Method 8015M

TPH-d = TPH quantified as diesel; analyzed by USEPA Method 8015M

TPH-mo = TPH quantified as motor oil; analyzed by USEPA Method 8015M

\* Indicates that SGC preparation method was used prior to chemical analysis of extractable hydrocarbons

SGC = Silica Gel Cleanup

USEPA = United States Environmental Protection Agency

RWQCB ESL = San Francisco Regional Water Quality Control Board Environmental Screening Levels (May 2008, Table A)



Table 1. Analytical Results of Selected Soil Samples - VOCs  
(Concentrations in ppm)

Sample Location	Sample ID	Date	Depth (feet)	Benzene	Toluene	Ethylbenzene	Xylenes	MTR	EDB	1,2-DCA	1,1 - DCE	1,1,1,2-Tetrachloroethane	1,1,1-TCA	1,1,2-Tetrachloroethane	1,1,2-TCA	1,1-DCA	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	
	Residential ESL <sup>1</sup>			0.044	2.9	2.3	2.3	0.023	0.00033	0.0045	1	0.024	7.8	0.018	0.07	0.2	NE	NE	NE	NE	1.5	NE
EB-1	EB-1 (2.5-3)	7/24/2012	2½-3	<0.0065	<0.0065	<0.0065	<0.013	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065
EB-1	EB-1 (3-3.5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-2	EB-2 (1.5-2)	7/24/2012	1½-2	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
EB-2	EB-2 (3-3.5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-3	EB-3 (1.5-2)	7/24/2012	1½-2	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
EB-4	EB-4 (2-2.5)	7/24/2012	2-2½	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
EB-4	EB-4 (3-3.5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-5	EB-5 (3.5-4)	7/24/2012	3½-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-6	EB-6 (3-3.5)	7/24/2012	3-3½	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
EB-7	EB-7 (2-2.5)	7/24/2012	2-2½	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
EB-7	EB-7 (4-4.5)	7/24/2012	4-4½	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-8	EB-8 (3-3.5)	7/24/2012	3-3½	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069
EB-9	EB-9 (3-3.5)	7/24/2012	3-3½	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069
EB-9	EB-9 (4-4.5)	7/24/2012	4-4½	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-10	EB-10 (2.5-3)	7/24/2012	2½-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-11	EB-11 (2.5-3)	7/24/2012	2½-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EB-12	EB-12 (1.5-2)	7/24/2012	1½-2	<0.0038	<0.0038	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
GW-1	GW-1 (6-6.5)	7/24/2012	6-6½	<0.0038	<0.0038	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
GW-1	GW-1 (11-11.5)	7/24/2012	11-11½	<0.0052	<0.0052	<0.0052	<0.01	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052

1 Environmental Screening Level (ESL)  
RWQCB, San Francisco Bay Region - May 2006

< Not detected at or above laboratory reporting limit  
NE Not Established  
--- Not Analyzed

Table 1. Analytical Results of Selected Soil Samples - VOCs  
[Concentrations in ppm]

Sample Location	Sample ID	Date	Depth (feet)	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Isopropyltoluene	4-Methyl-2-Pentanone (MIBK)	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane
EB-1	EB-1 (2-3)	7/24/2012	2 1/2-3	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.013
EB-1	EB-1 (3-5)	7/24/2012	3-3 1/2	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.013
EB-2	EB-2 (1.5-2)	7/24/2012	1 1/2-2	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012
EB-2	EB-2 (3-3.5)	7/24/2012	3-3 1/2	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.012
EB-3	EB-3 (1.5-2)	7/24/2012	1 1/2-2	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01
EB-4	EB-4 (2-2.5)	7/24/2012	2-2 1/2	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01
EB-4	EB-4 (3-3.5)	7/24/2012	3-3 1/2	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01
EB-5	EB-5 (3-3.5)	7/24/2012	3-3 1/2	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012
EB-7	EB-7 (2-2.5)	7/24/2012	2-2 1/2	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012
EB-7	EB-7 (4-4.5)	7/24/2012	4-4 1/2	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.014
EB-8	EB-8 (3-3.5)	7/24/2012	3-3 1/2	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.014
EB-9	EB-9 (3-3.5)	7/24/2012	3-3 1/2	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.014
EB-9	EB-9 (4-4.5)	7/24/2012	4-4 1/2	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.014
EB-10	EB-10 (2.5-3)	7/24/2012	2 1/2-3	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.014
EB-11	EB-11 (2.5-3)	7/24/2012	2 1/2-3	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.014
EB-12	EB-12 (1.5-2)	7/24/2012	1 1/2-2	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076
GW-1	GW-1 (6-6.5)	7/24/2012	6-6 1/2	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076
GW-1	GW-1 (11-11.5)	7/24/2012	11-11 1/2	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.01
	Residential ESL <sup>1</sup>			0.0045	1.1	0.12	NE	7.4	0.59	3.9	NE	NE	NE	NE	2.8	0.5	NE	0.37	2.2	0.39	

1 Environmental Screening Level (ESL)  
RMQCB, San Francisco Bay Region - May 2008

< Not detected at or above laboratory reporting limit  
NE Not Established  
--- Not Analyzed

Table 1. Analytical Results of Selected Soil Samples - VOCs  
(Concentrations in ppm)

Sample Location	Sample ID	Date	Depth (feet)	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chloroethane	cis-1,2-dichloroethane	cis-1,3-Dichloropropene	Dibromochloroethane	Dibromomethane	Dichlorodifluoromethane	Freon 113	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene
EB-1	EB-1 (2.5-3)	7/24/2012	2 1/2-3	<0.0065	<0.0065	<0.0065	<0.013	<0.0065	<0.013	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.013	<0.0065	<0.0065	<0.0065	<0.013	<0.013	<0.0065	<0.0065
EB-1	EB-1 (3-3.5)	7/24/2012	3-3 1/2	<0.0065	<0.0065	<0.0065	<0.013	<0.0065	<0.013	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.013	<0.0065	<0.0065	<0.0065	<0.013	<0.013	<0.0065	<0.0065
EB-2	EB-2 (1.5-2)	7/24/2012	1 1/2-2	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	<0.012	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.012	<0.0058	<0.0058	<0.0058	<0.012	<0.012	<0.0058	<0.0058
EB-2	EB-2 (3-3.5)	7/24/2012	3-3 1/2	<0.0058	<0.0058	<0.0058	<0.012	<0.0058	<0.012	<0.0058	<0.0058	<0.0058	<0.0058	<0.012	<0.012	<0.0058	<0.0058	<0.0058	<0.012	<0.012	<0.0058	<0.0058
EB-3	EB-3 (1.5-2)	7/24/2012	1 1/2-2	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051
EB-4	EB-4 (2-2.5)	7/24/2012	2-2 1/2	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051
EB-4	EB-4 (3-3.5)	7/24/2012	3-3 1/2	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051
EB-5	EB-5 (3-3.5)	7/24/2012	3-3 1/2	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051
EB-5	EB-5 (3.5-4)	7/24/2012	3 1/2-4	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.01	<0.0051	<0.0051
EB-7	EB-7 (2-2.5)	7/24/2012	2-2 1/2	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.012	<0.0061	<0.0061	<0.0061	<0.012	<0.012	<0.0061	<0.0061
EB-7	EB-7 (4-4.5)	7/24/2012	4-4 1/2	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.012	<0.0061	<0.0061	<0.0061	<0.012	<0.012	<0.0061	<0.0061
EB-8	EB-8 (3-3.5)	7/24/2012	3-3 1/2	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069
EB-9	EB-9 (3-3.5)	7/24/2012	3-3 1/2	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069
EB-9	EB-9 (4-4.5)	7/24/2012	4-4 1/2	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069
EB-10	EB-10 (2.5-3)	7/24/2012	2 1/2-3	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069
EB-11	EB-11 (2.5-3)	7/24/2012	2 1/2-3	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069
EB-12	EB-12 (1.5-2)	7/24/2012	1 1/2-2	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069	<0.0069	<0.014	<0.014	<0.0069	<0.0069
GW-1	GW-1 (5-6.5)	7/24/2012	6-6 1/2	<0.0038	<0.0038	<0.0038	<0.0076	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076	<0.0076	<0.0038	<0.0038	<0.0038	<0.0076	<0.0076	<0.0038	<0.0038
GW-1	GW-1 (11-11.5)	7/24/2012	11-11 1/2	<0.0052	<0.0052	<0.0052	<0.01	<0.0052	<0.01	<0.0052	<0.0052	<0.0052	<0.0052	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.01	<0.0052	<0.0052
	Residential ESL <sup>1</sup>			NE	0.02	1.5	0.85	0.68	6.4	0.19	0.059	7.6	7.6	NE	NE	NE	2.2	NE	0.077	1.3	NE	NE

1 Environmental Screening Level (ESL)  
RWQCB, San Francisco Bay Region - May 2006

< Not detected at or above laboratory reporting limit  
NE Not Established  
--- Not Analyzed

Table 1. Analytical Results of Selected Soil Samples - VOCs  
(Concentrations in ppm)

Sample Location	Sample ID	Date	Depth (feet)	PCE	Propene, trans-1,3-dichloro-	sec-Butylbenzene	Styrene	TCE	tert-Butylbenzene	TPHg	trans-1,2-Dichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
	EB-1 (2-5-3)	7/24/2012	2½-3	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.32	<0.0065	<0.0065	<0.065	<0.0095
	EB-1 (3-3-5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---
	EB-2 (1.5-2)	7/24/2012	1½-2	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.29	<0.0058	<0.0058	<0.058	<0.0058
	EB-2 (3-3-5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---
	EB-3 (1.5-2)	7/24/2012	1½-2	---	---	---	---	---	---	---	---	---	---	---
	EB-4 (2-2.5)	7/24/2012	2-2½	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.26	<0.0051	<0.0051	<0.051	<0.0051
	EB-4 (3-3-5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---
	EB-4 (3-5-4)	7/24/2012	3½-4	---	---	---	---	---	---	---	---	---	---	---
	EB-5 (3-3-5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---
	EB-5 (3-5-4)	7/24/2012	3½-4	---	---	---	---	---	---	---	---	---	---	---
	EB-7 (2-2.5)	7/24/2012	2-2½	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.3	<0.0061	<0.0061	<0.061	<0.0061
	EB-7 (4-4.5)	7/24/2012	4-4½	---	---	---	---	---	---	---	---	---	---	---
	EB-8 (3-3.5)	7/24/2012	3-3½	---	---	---	---	---	---	---	---	---	---	---
	EB-9 (3-3.5)	7/24/2012	3-3½	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.34	<0.0069	<0.0069	<0.069	<0.0069
	EB-9 (4-4.5)	7/24/2012	4-4½	---	---	---	---	---	---	---	---	---	---	---
	EB-10 (2.5-3)	7/24/2012	2½-3	---	---	---	---	---	---	---	---	---	---	---
	EB-11 (2.5-3)	7/24/2012	2½-3	---	---	---	---	---	---	---	---	---	---	---
	EB-12 (1.5-2)	7/24/2012	1½-2	---	---	---	---	---	---	---	---	---	---	---
	GW-1 (6-6.5)	7/24/2012	6-6½	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.19	<0.0038	<0.0038	<0.038	<0.0038
	GW-1 (11-11.5)	7/24/2012	11-11½	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.26	<0.0052	<0.0052	<0.052	<0.0052
	Residential ESL <sup>1</sup>			0.37	NE	NE	1.5	0.46	NE	83	0.67	NE	NE	0.022

1 Environmental Screening Level (ESL),  
RWQCB, San Francisco Bay Region - May  
2008

< Not detected at or above laboratory  
reporting limit  
NE Not established  
--- Not Analyzed

Table 2. Analytical Results of Selected Soil Samples - Pesticides  
(Concentrations in ppm)

Sample Location	Sample ID	Date	Depth (feet)	4,4'-DDD	4,4'-DDE	4,4'-DDT	DDT Total	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II
EB-1	EB-1 (2.5-3)	7/24/2012	2½-3	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.039	<0.0019	<0.0019	<0.0019	<0.0019
EB-1	EB-1 (3-3.5)	7/24/2012	3-3½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-2	EB-2 (1.5-2)	7/24/2012	1½-2	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.039	<0.0019	<0.0019	<0.0019	<0.0019
EB-2	EB-2 (3-3.5)	7/24/2012	3-3½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039	<0.002	<0.002	<0.002	<0.002
EB-3	EB-3 (1.5-2)	7/24/2012	1½-2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-4	EB-4 (2-2.5)	7/24/2012	2-2½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039	<0.002	<0.002	<0.002	<0.002
EB-4	EB-4 (3-3.5)	7/24/2012	3-3½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-5	EB-5 (3.5-4)	7/24/2012	3½-4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-6	EB-6 (3-3.5)	7/24/2012	3-3½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-7	EB-7 (2-2.5)	7/24/2012	2-2½	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.039	<0.0019	<0.0019	<0.0019	<0.0019
EB-7	EB-7 (4-4.5)	7/24/2012	4-4½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-8	EB-8 (3-3.5)	7/24/2012	3-3½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-9	EB-9 (3-3.5)	7/24/2012	3-3½	***	***	***	***	***	***	***	***	***	***	***	***	***
EB-9	EB-9 (4-4.5)	7/24/2012	4-4½	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039	<0.002	<0.002	<0.002	<0.002
EB-10	EB-10 (2.5-3)	7/24/2012	2½-3	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002
EB-11	EB-11 (2.5-3)	7/24/2012	2½-3	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039	<0.002	<0.002	<0.002	<0.002
EB-12	EB-12 (1.5-2)	7/24/2012	1½-2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039	<0.002	<0.002	<0.002	<0.002
GW-1	GW-1 (6-6.5)	7/24/2012	6-6½	***	***	***	***	***	***	***	***	***	***	***	***	***
GW-1	GW-1 (11-11.5)	7/24/2012	11-11½	***	***	***	***	***	***	***	***	***	***	***	***	***
Residential ESL <sup>1</sup>																
				2.4	1.7	1.7	NE	0.032	NE	NE	NE	0.44	NE	0.0023	0.0046	NE

1 Environmental Screening Level (ESL), RWQCB, San Francisco Bay Region - May 2008

< Not detected at or above laboratory reporting limit  
 NE Not Established  
 \*\*\* Not Analyzed



Table 2. Analytical Results of Selected Soil Samples - Pesticides  
(Concentrations in ppm)

Sample Location	Sample ID	Date	Depth (feet)	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
EB-1	EB-1 (2.5-3)	7/24/2012	2 1/2-3	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.039
EB-1	EB-1 (3-3.5)	7/24/2012	3-3 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-2	EB-2 (1.5-2)	7/24/2012	1 1/2-2	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.039
EB-2	EB-2 (3-3.5)	7/24/2012	3-3 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039
EB-3	EB-3 (1.5-2)	7/24/2012	1 1/2-2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-4	EB-4 (2-2.5)	7/24/2012	2-2 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039
EB-4	EB-4 (3-3.5)	7/24/2012	3-3 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-5	EB-5 (3.5-4)	7/24/2012	3 1/2-4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-6	EB-6 (3-3.5)	7/24/2012	3-3 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-7	EB-7 (2-2.5)	7/24/2012	2-2 1/2	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.039
EB-7	EB-7 (4-4.5)	7/24/2012	4-4 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-8	EB-8 (3-3.5)	7/24/2012	3-3 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-9	EB-9 (3-3.5)	7/24/2012	3-3 1/2	---	---	---	---	---	---	---	---	---	---
EB-9	EB-9 (4-4.5)	7/24/2012	4-4 1/2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039
EB-10	EB-10 (2.5-3)	7/24/2012	2 1/2-3	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
EB-11	EB-11 (2.5-3)	7/24/2012	2 1/2-3	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039
EB-12	EB-12 (1.5-2)	7/24/2012	1 1/2-2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.039
GW-1	GW-1 (6-6.5)	7/24/2012	6-6 1/2	---	---	---	---	---	---	---	---	---	---
GW-1	GW-1 (11-11.5)	7/24/2012	11-11 1/2	---	---	---	---	---	---	---	---	---	---
	Residential ESL <sup>1</sup>			NE	0.00065	NE	NE	0.0098	NE	0.013	0.014	19	0.00042

1. Environmental Screening Level (ESL), RWQCB, San Francisco Bay Region - May 2008

< Not detected at or above laboratory reporting limit  
 NE Not Established  
 --- Not Analyzed

**TABLE 1**  
**SOIL MATRIX SAMPLE ANALYTICAL RESULTS - METALS (mg/kg)**  
**PARK PARCEL**  
**1511 BUENA VISTA AVENUE, ALAMEDA, CALIFORNIA**

Sample Date	Sample ID	Sample Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
<b>SOIL SAMPLING - SUBSURFACE SOIL INVESTIGATION (Blymer, July 1993)</b>																			
7/29/93	B-6	1	NA	<5.0	50	NA	<0.5	9.6	NA	NA	23	0.14	NA	NA	<0.5	<0.5	NA	NA	NA
7/29/93	B-7	1	NA	<5.0	81	NA	<0.5	49	NA	NA	25	0.15	NA	NA	<0.5	<0.5	NA	NA	NA
7/29/93	B-8	1	NA	<5.0	53	NA	<0.5	36	NA	NA	24	0.12	NA	NA	<0.5	<0.5	NA	NA	NA
<b>SOIL SAMPLING - PHASE II ENVIRONMENTAL SITE INVESTIGATION: Sumps A and B (Fargo, September 1993)</b>																			
9/29/93	SA@0.5	5	<0.5	1.4	33	<0.5	<0.5	22	3	3.3	4	0.008	<3.0	9	<3.0	0.4	<5.0	16	8
9/29/93	SB@0.5	5	<1.0	1.3	69	<0.5	<0.5	25	2	4.3	5	0.008	<3.0	9	<3.0	0.3	<5.0	18	11
9/29/93	SB@1.0	10	<1.0	2.4	140	<0.5	<0.5	50	13	12	10	0.023	<3.0	66	<3.0	0.5	6	25	30
<b>SOIL SAMPLING - PHASE II ENVIRONMENTAL SITE INVESTIGATION: Former Drum Storage Locations (Fargo, September 1993)</b>																			
9/29/93	FDB-1@0.5	5	<0.5	7.7	46	<0.5	<0.5	39	10	36	140	<0.004	<3.0	72	<0.5	0.9	6	22	200
9/29/93	FDB-2@0.5	5	<0.5	8	55	<0.5	<0.5	36	7	68	260	<0.004	<3.0	56	<0.5	1.2	7	20	150
9/29/93	FDB-2@1.0	10	<0.5	3.7	17	<0.5	<0.5	40	6	12	11	<0.004	<3.0	43	<0.5	0.9	6	28	18
9/29/93	FDC-1@0.5	5	<0.5	1.7	20	<0.5	<0.5	55	5	22	14	0.05	<3.0	36	<0.5	0.9	5	34	46
9/29/93	FDC-2@0.5	5	<0.5	1.4	17	<0.5	<0.5	42	3	11	10	0.009	<3.0	28	<0.5	0.7	5	28	32
9/29/93	FDC-2@1.0	10	<0.5	1.2	59	<0.5	<0.5	29	3	5.2	5	0.016	<3.0	18	<0.5	0.4	<5.0	19	12
<b>SOIL SAMPLING (CSES, January 2002)</b>																			
1/24/02	P-1	1.5	2.5	2.8	80	<0.5	<0.5	51	7.8	18	39	0.091	<2.5	37	<2.5	<1.0	<2.5	31	62
1/24/02	P-2	1.5	<2.5	1.5	160	<0.5	<0.5	64	13	41	37	0.43	<2.5	35	<2.5	<1.0	<2.5	54	210
			Minimum	1.2	17	<0.5	<0.5	9.6	2	3.3	4	<0.004	<2.5	9	<0.5	<0.5	<2.5	16	8
			Maximum	2.5	15	160	ALLNDS	64	15	68	260	0.43	ALLNDS	72	ALLNDS	1.2	7	54	220
			Average	0.59	3.86	52.43	39.11	29.11	6.80	21.16	43.36	0.08	37.18	37.18	0.57	4.18	26.64	74.45	
			Standard Deviation	0.70	3.88	42.58	14.47	14.47	4.33	19.87	71.30	0.11	21.16	21.16	0.30	2.18	10.67	76.80	
			Number of Detects	11	14	14	11	14	11	11	14	14	14	11	11	14	11	11	11
			95% Normal UCL	1.771	1.746	1.746	1.746	1.746	1.771	1.771	1.746	1.746	1.746	1.771	1.746	1.746	1.771	1.771	
			95% Normal UCL	0.97	5.7	82.3	45.9	45.9	9.1	31.8	76.6	0.13	48.5	48.5	0.71	5.3	32.3	32.3	

Notes:  
 bgs Below ground surface  
 ft Foot  
 mg/kg Milligram per kilogram  
 N/A Sample was not analyzed for this chemical

ND Not detected  
 REBL Risk-based screening level  
 UCL Upper confidence limit

**TAB 2**  
**SOIL MATRIX ANALYTICAL RESULTS - PETROLEUM CONSTITUENTS (mg/kg)**  
**PARK PARCEL**  
**1521 BUENA VISTA AVENUE, ALAMEDA, CALIFORNIA**

Sample Date	Sample ID	Sample Depth (ft bgs)	TPH-gasoline	TPH-diesel	TPH-motor oil	Benzene	Toluene	Ethylbenzene	Xylenes	Methyl tert-butyl ether	TPH-kerosene	Oil & Grease	TRPH	PNAs
<b>SOIL SAMPLING - SUBSURFACE SOIL INVESTIGATION (Blymyer, July 1993)</b>														
7/8/93	B-6	1	<1.0	14	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	260	NA
7/8/93	B-7	1	<1.0	130	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	210	NA
7/8/93	B-8	1	<1.0	8.1	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	18	NA
<b>SOIL SAMPLING - PHASE II ENVIRONMENTAL SITE ASSESSMENT - 2,000-Gallon Diesel UST (Fugro, September 1993)</b>														
9/30/93	TA-1@5.5	5.5	<1.0	<5.0	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA
9/30/93	TA-2@5.5	5.5	4	300	NA	<0.005	0.01	0.005	0.046	NA	NA	NA	NA	NA
9/30/93	TA-3@5.0	5	<10.0	1,100	NA	<0.05	<0.05	<0.05	<0.05	NA	NA	NA	NA	NA
<b>SOIL SAMPLING - UST REMOVAL: One 2,000-Gallon Diesel UST (SEMCO, April 1994)</b>														
4/5/94	#1 SOUTH WALL	6	NA	38	NA	<0.005	0.011	<0.005	0.094	NA	NA	NA	NA	NA
4/5/94	#2 NORTH WALL	6	NA	160	NA	<0.005	<0.005	<0.005	0.018	NA	NA	NA	NA	NA
<b>SOIL SAMPLING - SOIL INVESTIGATION (Geomatrix, February 1995)</b>														
2/3/95	P-15	7.5	NA	20	NA	<0.02	<0.02	<0.02	<0.04	NA	NA	NA	NA	NA
2/3/95	P-16	4	NA	<10.0	NA	<0.02	<0.02	<0.02	<0.04	NA	NA	NA	NA	NA
2/3/95	P-17	7.5	NA	<10.0	NA	<0.02	<0.02	<0.02	<0.04	NA	NA	NA	NA	NA
<b>SOIL SAMPLING - LIMITED SITE INVESTIGATION (ICES, August 1998)</b>														
8/31/98	B-6-2	2	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/31/98	B-6-5	5	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>SOIL SAMPLING - LIMITED SITE INVESTIGATION - Abandoned Pennzoil Pipeline (ICES, March 1999)</b>														
3/12/99	SB-6A	2	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-6B	4.5	3.3	29	320	<0.005	<0.005	<0.005	0.014	<0.005	NA	NA	NA	NA
3/12/99	SB-7A	2	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-7B	4.5	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	0.012	<0.005	NA	NA	NA	NA
3/12/99	SB-8A	2	1.1	<1.0	<10.0	<0.005	<0.005	<0.005	0.019	<0.005	NA	NA	NA	NA
3/12/99	SB-8B	4.5	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-9A	2	<0.5	57	91	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-9B	4.5	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-10A	2	<0.5	2	18	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-10B	4.5	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-11A	2	<0.5	9	31	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-11B	4.5	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-12A	2	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
3/12/99	SB-12B	4.5	<0.5	<1.0	<10.0	<0.005	<0.005	<0.005	<0.010	<0.005	NA	NA	NA	NA
<b>SOIL SAMPLING - UST REMOVAL One 1,500-Gallon Diesel UST (ICES, October 2001)</b>														
10/15/01	SWN-1A	9.5	NA	150	NA	0.018	0.048	0.044	0.24	NA	NA	NA	NA	<0.5
10/15/01	SWN-2	9.5	NA	28	NA	0.015	0.15	0.15	0.96	NA	NA	NA	NA	NA



TABLE 2  
SOIL MATRIX ANALYTICAL RESULTS - PETROLEUM CONSTITUENTS (mg/kg)  
PARK PARCEL  
1521 BUENA VISTA AVENUE, ALAMEDA, CALIFORNIA

Sample Date	Sample ID	Sample Depth (ft bgs)	TPH-gasoline	TPH-diesel	TPH-motor oil	Benzene	Toluene	Ethylbenzene	Xylenes	Methyl tert-butyl ether	TPH-kerosene	Oil & Grease	TRPH	PNAs
1/24/02	P-1	1.5	<1.0	2.1	34	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA
1/24/02	P-2	1.5	<1.0	1.5	130	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA
		Minimum	<0.5	<1	<10	<0.005	<0.005	<0.005	<0.005	All NDs				
		Maximum	4	1100	320	0.15	0.15	0.15	0.96					
		Average	0.88	67.12	42.13	0.01	0.01	0.01	0.05					
		Standard Deviation	1.35	202.71	82.41	0.01	0.03	0.03	0.18					
		Count	22	31	16	29	29	29	29					
		Number of Detects	3	16	4	2	4	3	8					
		t-value	1.721	1.697	1.753	1.701	1.701	1.701	1.701					
		95% Normal UCL	1.38	128.90	78.24	0.01	0.02	0.02	0.11					

Notes:  
bgs Below ground surface  
ft Feet  
mg/kg Milligram per kilogram  
NA Sample was not analyzed for this chemical  
ND Not detected

PNAs Polynuclear aromatics  
RBSL Risk-based screening level  
TRPH Total recoverable petroleum hydrocarbons  
UCL Upper confidence limit

\* Analytical results for TPH-kerosene, oil & grease, TRPH, and PNAs are presented to complete the historical data summary. However, data for these chemicals were not used in statistical analysis nor the risk assessment.

SOIL MATRIX SAMPLE ANALYTICAL RESULTS - VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS (mg/kg)  
PARK PARCEL

1521 BUENA VISTA AVENUE, ALAMEDA, CALIFORNIA

Sample Date	Sample ID	Sample Depth (ft bgs)	Acetone	Benzene	2-Butanone	Carbon Disulfide	Ethylbenzene	Methyl butyl ketone	Toluene	Xylenes	VOCs*	SVOCs*
SOIL SAMPLING - SUBSURFACE SOIL INVESTIGATION (Blymyer, July 1993) *Note: VOCs analyzed using 8240.												
7/8/93	B-6	1	<0.5	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1-0.5	NA
7/8/93	B-7	1	<0.5	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1-0.5	NA
7/8/93	B-8	1	<0.5	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1-0.5	NA
SOIL SAMPLING - PHASE II ENVIRONMENTAL SITE INVESTIGATION: Former Drum Storage Locations (Fugro, September 1993)												
9/28/93	FDB-1@5.0	5	<0.1	<0.005	<0.05	<0.01	<0.005	NA	<0.005	<0.005	<0.005-0.05	<0.5-10.0
9/28/93	FDB-2@5.0	5	<0.1	<0.005	<0.05	<0.01	<0.005	<0.03	<0.005	<0.005	<0.005-0.05	<0.5-10.0
9/28/93	FDB-2@10	10	<0.1	<0.005	<0.05	<0.01	<0.005	<0.03	<0.005	<0.005	<0.005-0.05	<0.5-10.0
SOIL SAMPLING - PHASE II ENVIRONMENTAL SITE INVESTIGATION: Caustic Tank (Fugro, September 1993)												
9/29/93	AGT-1@1	1	0.5	<0.005	<0.05	<0.01	<0.005	<0.03	<0.005	<0.005	<0.005-0.05	NA
9/29/93	AGT-1@3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/29/93	AGT-2@1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/29/93	AGT-2@3.5	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SOIL SAMPLING - PHASE II ENVIRONMENTAL SITE INVESTIGATION: Sulfuric Acid Tank (Fugro, September 1993)												
9/29/93	AGT-3@0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/29/93	AGT-3@3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/29/93	AGT-4@0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/23/93	AGT-4@4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SOIL SAMPLING - PHASE II ENVIRONMENTAL SITE INVESTIGATION: Sumps A and B (Fugro, September 1993)												
9/29/93	SA@5	5	<0.1	<0.005	<0.05	<0.01	<0.005	<0.03	<0.005	<0.005	<0.005-0.05	<0.5-10.0
9/29/93	SB@5	5	<0.1	<0.005	<0.05	<0.01	<0.005	<0.03	<0.005	<0.005	<0.005-0.05	<0.5-10.0
9/29/93	SB@10	10	<0.1	<0.005	<0.05	<0.01	<0.005	<0.03	<0.005	<0.005	<0.005-0.05	<0.5-10.0
SOIL SAMPLING - SITE MITIGATION ACTIVITIES: Sulfuric Acid AST Removal (ICES, October 2001)												
10/15/02	EW-1	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EW-2	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EW-3	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EW-4	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EW-5	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EW-6	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EW-7	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EW-8	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EF-1	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/02	EF-2	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SOIL SAMPLING - SITE MITIGATION ACTIVITIES: Trench Parcel (ICES, October 2001)												
10/15/01	TR-1	0.5	0.16	<0.005	0.083	0.02	<0.005	<0.005	<0.005	<0.005	<0.005-0.025	NA
10/15/01	TR-2	0.5	0.13	<0.005	0.22	0.011	<0.005	0.016	<0.005	<0.005	<0.005-0.025	NA

SOIL MATRIX SAMPLE ANALYTICAL RESULTS - VOLATILE AND SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)

PARK PARCEL

1521 BUENA VISTA AVENUE, ALAMEDA, CALIFORNIA

Sample Date	Sample ID	Sample Depth (ft bgs)	Acetone	Benzene	2-Butanone	Carbon Disulfide	Ethylbenzene	Methyl butyl ketone	Toluene	Xylenes	VOCs <sup>a</sup>	SVOCs <sup>b</sup>
SOIL SAMPLING (ICES, January 2002)												
1/24/02	P-1	1.5	<0.025	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005-0.025	<1.0-5.0
1/24/02	P-2	1.5	<0.025	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005-0.025	<4.0-20.0
SOIL SAMPLING - SUPPLEMENTARY SITE INVESTIGATION: Trench Pared (ICES, July 2002)												
7/18/2002	B-1A	3	<0.080	<0.005	0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005-0.050	NA
7/18/2002	B-2A	3	<0.080	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005-0.050	NA
7/18/2002	B-3A	3	<0.080	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005-0.050	NA
7/18/2002	B-4A	3	<0.080	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005-0.050	NA
Minimum			<0.025	All ND's	<0.025	<0.025	All ND's	<0.025	All ND's	All ND's	All ND's	
Maximum			0.5		0.22	0.02		0.016				
Average			0.113		0.070	0.013		0.051				
Standard Deviation			0.127		0.097	0.018		0.095				
Count			18		18	18		17				
Number of Detects			3		3	2		1				
t-value			1.725		1.725	1.725		1.729				
95% Normal UCL			0.164		0.110	0.020		0.091				

Notes:

- bgs Below ground surface
- ft Feet
- mg/kg Milligram per kilogram
- NA Sample was not analyzed for this chemical

- ND Not detected
- SVOC Semivolatile organic compound
- UCL Upper confidence limit
- VOC Volatile organic compound

Analytical results for VOCs and SVOCs are presented to complete the historical data summary. However, data for these chemicals were not used in statistical analysis nor the risk assessment.



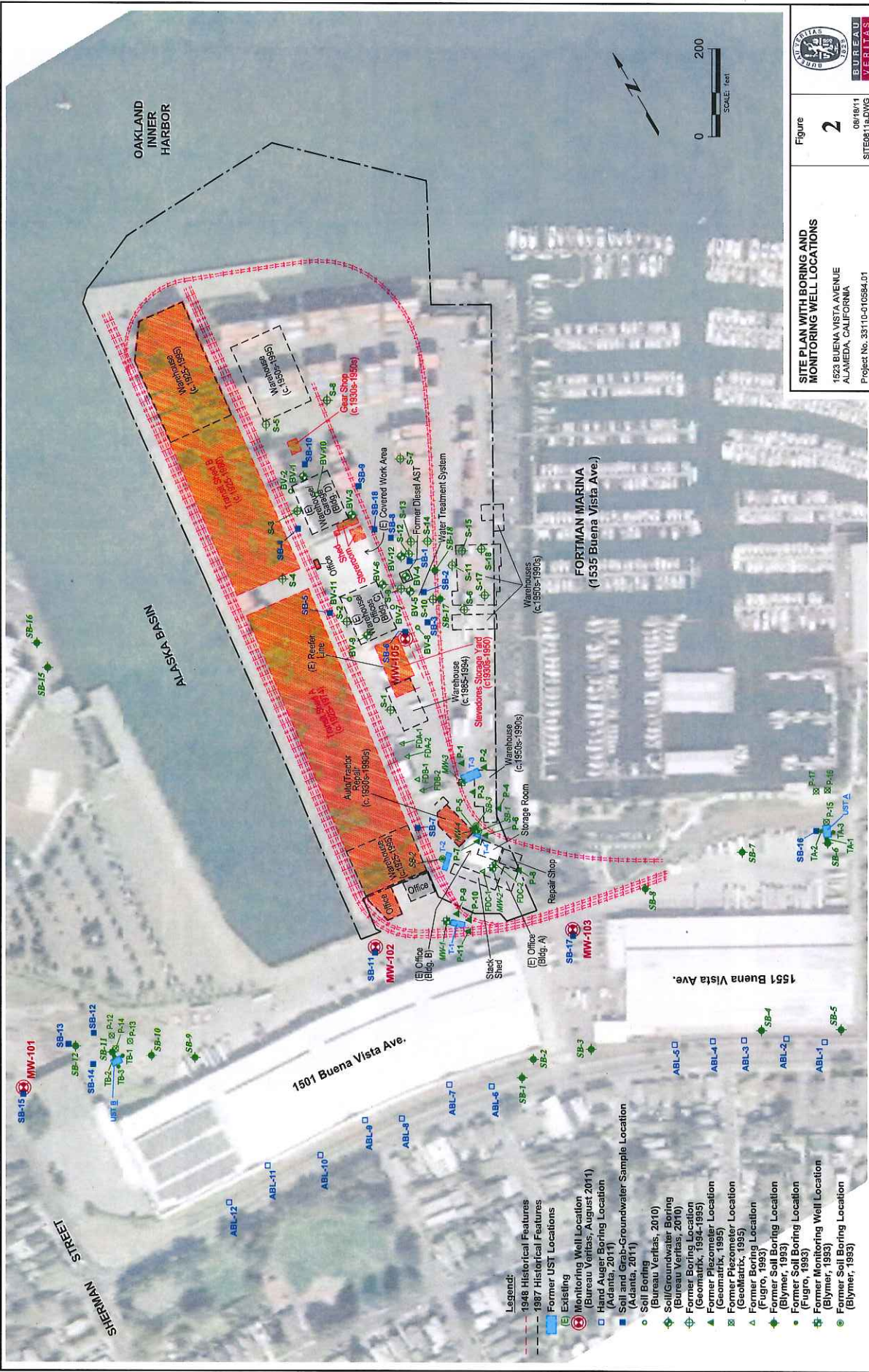


Figure **2**  
 0616811  
 SITES & DWG  
 VERITAS

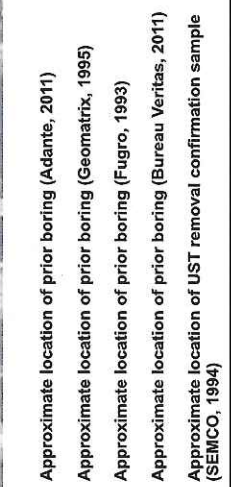
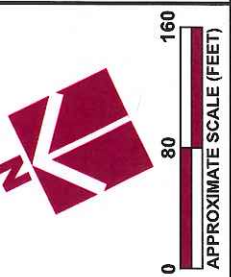
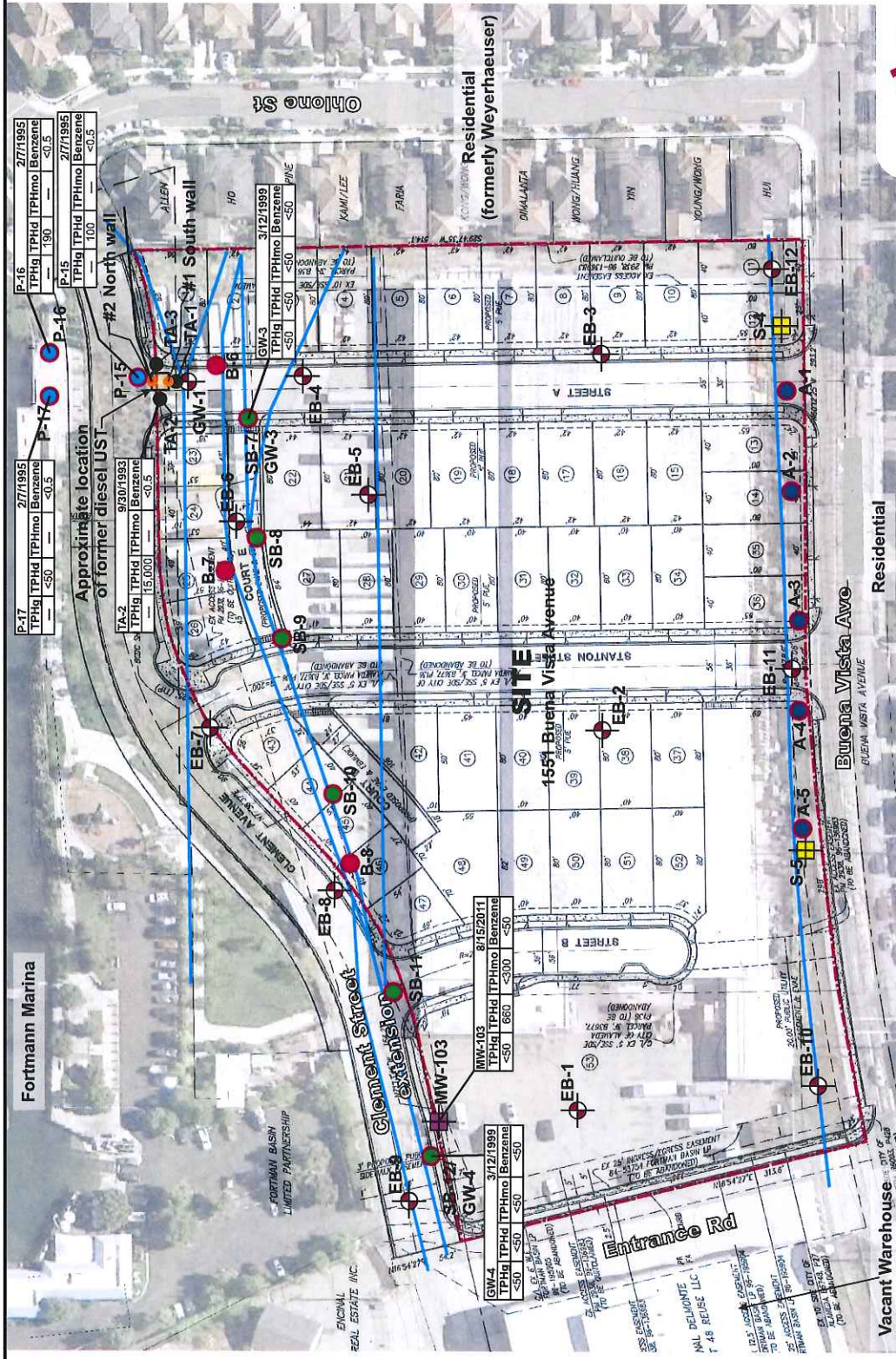
**SITE PLAN WITH BORING AND MONITORING WELL LOCATIONS**  
 1623 BUENA VISTA AVENUE  
 ALAMEDA, CALIFORNIA  
 Project No. 33110-010584.01





# ATTACHMENT 4





- Legend**
- Approximate location of exploratory boring (EB)
  - Approximate location of former and existing railroad spurs
  - Approximate location of prior boring (ICES, 1999)
  - Approximate location of prior boring (Blymer, 1993)
  - Approximate location of prior boring (ICES, 1998)
  - Approximate location of prior boring (Adante, 2011)
  - Approximate location of prior boring (Geomatrix, 1995)
  - Approximate location of prior boring (Fugro, 1993)
  - Approximate location of prior boring (Bureau Veritas, 2011)
  - Approximate location of UST removal confirmation sample (SEMCO, 1994)

Base by Google Earth dated 10/29/2011  
 Overlay by Ruggieri-Jensen-Azer, "Tentative Map - Looting Plan", dated 12/29/12

**TABLE 4**  
**Groundwater Analytical Results - TPH**  
 1501-1521, 1523 and 1551 Buena Vista Avenue  
 Alameda, Alameda County, California  
 Bureau Veritas Project No. 33110-010584.02

Sample Identification	Sample Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-m (µg/L)
SB-15	5/25/2011	<50	1,200	46,000
MW-101	8/15/2011	<50	240 Y*	<300*
SB-11	5/25/2011	<50	20,000	63,000
MW-102	8/15/2011	<50	100 Y*	<300*
SB-17	5/25/2011	<50	17,000	44,000
MW-103	8/15/2011	<50	660 Y*	<300*
SB-6	5/24/2011	2,000	3,100	13,000
MW-105	8/15/2011	<50	760 Y*	390*

**Notes:**

SB-6, SB-11, SB-15 and SB17 were collected by Adanta, Inc.

MW-101 to MW-103 and MW-105 collected by Bureau Veritas

µg/L = micrograms per liter

TPH = Total petroleum hydrocarbons

TPH-g = TPH quantified as gasoline; analyzed by USEPA Method 8260B

TPH-d = TPH quantified as diesel; analyzed by USEPA Method 8015M

TPH-m = TPH quantified as motor oil; analyzed by USEPA Method 8015M

\* Indicates that SGC preparation method was used prior to chemical analysis of extractable hydrocarbons

SGC = Silica Gel Cleanup

USEPA = United States Environmental Protection Agency

<50 = not detected above the laboratory reporting limit for this compound

Y = Sample exhibits chromatographic pattern which does not resemble standard

GROUNDWATER MATRIX SAMPLE ANALYTICAL RESULTS -- PETROLEUM CONSTITUENTS (µg/L)  
 PARK PARCEL  
 1521 BUENA VISTA AVENUE, ALAMEDA, CALIFORNIA

Sample Date	Sample ID	Sample Depth (ft bgs)	TPH-gasoline	TPH-diesel	TPH-motor oil	Benzene	Toluene	Ethyl-hexane	Xylenes	Methyl tert-butyl ether
9/29/93	SA-1	5	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	NA
9/29/93	SB-1	5	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	NA
9/30/93	TA-2	5	370	1500	NA	<0.5	3.3	3.7	26	NA
4/5/1994	#3 Pit Water	6	NA	26000	NA	<0.5	3	0.6	3	NA
2/7/1995	P-15	3.97	NA	100	NA	<0.5	<0.5	<0.5	<0.5	NA
2/7/1995	P-16	5.56	NA	190	NA	<0.5	<0.5	<0.5	<0.5	NA
2/7/1995	P-17	5.43	NA	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
3/12/1999	GW-3	5.5	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3/12/1999	GW-4	5.5	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
Minimum			<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
Maximum			970	26000			3.3	3.7	26	
Average			214	5909			1	1	3	
Standard Deviation			423	10461			1	1	8	
Count			5000	7000			9000	9000	9000	
Number of Detects			1000	4000			2000	2000	2000	
t-value			2132	1943			1860	1860	1860	
95% Normal UCL			617	13592			2	1	9	

Notes:

- bgs Below ground surface
- ft Feet
- µg/L Microgram per liter
- NA Sample was not analyzed for this chemical
- UCL Upper confidence limit



**TABLE 5**

**GROUNDWATER MATRIX ANALYTICAL RESULTS -- VOLATILE AND SEMIVOLATILE ORGANIC COMPOUNDS (µg/L)**

**1521 BUENA VISTA AVENUE, ALAMEDA, CALIFORNIA**

**PARK PARCEL**

Sample Date	Sample ID	Sample Depth (ft bgs)	Acetone	2-Butanone	Carbon Disulfide	Chloroform	1,1-DCA	1,2-DCA	Methyl tert-butyl ether	VOCs*
10/1/1993	AGT-2	3	NA	NA	NA	NA	NA	NA	NA	NA
10/1/1993	ACT-4	3	NA	NA	NA	NA	NA	NA	NA	NA
9/28/1993	FDB-2	10	21	<10	3	<1	<1	<1	NA	<1-<5
7/18/2002	B-1W	6.5	<5	2	<0.5	8.9	<0.5	<0.5	<0.5	<0.5-<5
7/18/2002	B-2W	6.5	<5	1.3	2.4	<0.5	<0.5	3.6	<0.5	<0.5-<5
7/18/2002	B-3W	6.5	<5	1.7	0.86	7.7	1.3	<0.5	6.3	<0.5-<5
7/18/2002	B-4W	6.5	<5	2.4	0.55	5.4	<0.5	<0.5	<0.5	<0.5-<5
		Minimum	<5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	
		Maximum	21	2.4	3	8.9	1.3	3.6	6.3	
		Average	6.2	2	1	5	1	1	2	
		Standard Deviation	8	1	1	4	0.455	1	3	
		Count	5000	5000	5000	5000	5000	5000	4000	
		Number of Detects	1000	4000	4000	3000	1000	1000	1000	
		t-value	2015	2015	2015	2015	2015	2015	2353	
		95% Normal UCL	14	4	3	8	1	2	5	

- Notes:
- bgs Below ground surface
  - DCA Dichloroethane
  - ft Feet
  - µg/L Microgram per liter
  - NA Sample was not analyzed for this chemical
  - UCL Upper confidence limit
  - VOCs Volatile organic compounds

\* Results for the remaining VOCs are presented to complete the historical data summary. However, this grouped data was not used in statistical analysis nor the risk assessment.