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Alameda County
Environmental Health

January 6, 2006

**SOIL AND GROUNDWATER
INVESTIGATION REPORT**

1310 14 Avenue
Oakland, California

Project No. 115184

Prepared For

Heather Dennis Hall Equities Group
1855 Olympic Blvd.
Walnut Creek, CA 94596

Prepared By

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AEI

January 6, 2006

Heather Dennis Hall Equities Group
1855 Olympic Blvd.
Walnut Creek, CA 94596

Subject: Soil and Groundwater Investigation
1310 14 Avenue 14th Ave
Oakland, California 94546
Project No. 115184

Dear Ms. Dennis:

The following letter report describes the activities and results of the subsurface investigation performed by AEI Consultants at the above referenced property (Figure 1: Site Location Map). The scope of work for this investigation was designed to determine the extent of soil contamination and its impact on groundwater resulting from the hydrocarbon release from two (2) underground storage tanks (USTs) previously abandoned in place adjacent to the boiler room (Figures 2 and 3).

I Background

The subject property (hereafter referred to as the “site” or “property”) is located at 1310 14th Street in Oakland, California (Figure 1: Site Location Map). The site is located in industrial area of Oakland. The site occupies the area between 16th and 14th Streets (International Drive) on the north and south, respectively and Poplar Street and Mandela Parkway on the east and west, respectively. The site, which is a former Carnation manufacturing facility, is currently vacant. Several large unused buildings are on the site, which is covered with asphalt and concrete surfacing.

A request for closure in place by Anania Geologic Engineering refers to two underground storage tanks (USTs) used to store fuel for boilers. The report stated that the eastern most (nearest to the boilers) tank (UST-1) was an approximately 11,400 gallons and encased in a concrete vault. This tank was installed in 1946. The second tank (UST-2) identified as a 12,000 gallon capacity tank was placed in service in 1977. The request for closure in place was based on UST-1 being located immediately adjacent to the buildings foundations and the concern that removing the tank and the related vault would undermine integrity of the the foundation and result in structural damage to the building.

The report indicates four (4) groundwater monitoring wells were installed. Low levels of oil range hydrocarbons were detected in the soil as well as low concentrations of toluene, acetone, and 2-butanone. Groundwater sampling reported low levels of tetrachloroethane and 2-hexanone. None of the reported concentrations appears to be significantly elevated to be of concern. Although the locations of the wells are shown on the map accompanying the Anania report, they

are not labeled and no data from monitoring was available at the time of preparing this report. No wells are currently present in the area of the abandoned boiler fuel USTs, however patches were observed in the concrete slab at the locations show on the Anania site map.

A Phase I Environmental Site Assessment and Soil and Groundwater Quality Evaluation was undertaken by Lowney Associates in March 2004. The report identifies two abandoned in-place USTs located adjacent to the boiler room and identifies an April 4 1990 Oakland Fire Department document referring to the in place abandonment of the two USTs. As part of the site assessment a geophysical survey including a electromagnetic survey to identify buried metallic objects and ground penetrating radar was used to confirm the locations of the the two USTs abandoned in place.

The Lowney investigation reported significant concentrations of Total Petroleum Hydrocarbons as gasoline (TPH-g), Total Petroleum Hydrocarbons as diesel (TPH-d), and Total Petroleum Hydrocarbons as motor oil (TPH-mo) in both the soil and groundwater in two borings (EB-14 and EB-15) near the abandoned USTs. Maximum concentration of hydrocarbons reported were 85,000 µg/L TPH-g in EB-15, TPH-d and TPH-mo at concentrations of 120,000 µg/L and 650,000 µg/L, respectively, in boring EB-14. The results from the Lowney Investigation are summarized in Tables 1 & 2. The groundwater sample from EB-14 contained light non-aqueous liquid (LNAPL) or free product.

Two drilling events were carried out by AEI on September 12 and September 29, 2005 prior to the current investigation. Ten (10) soil borings were previously drilled at the site by AEI. Borings SB-1 and SB-4 encountered shallow refusal due to concrete or other obstructions. Borings SB-2, SB-3, SB-5, SB-6 and SB-7 through SB-10 were advanced to depths ranging from 15 to 19 feet below ground surface (bgs). The locations of the previous soil borings are shown on Figure 3. Soil borings SB-1 and SB-4 encountered refusal on concrete at a depth of 3 feet bgs.

TPH-g, TPH-d and TPH-mo were reported in the soil samples from the earlier AEI soil borings at concentrations up to 7.3 mg/kg, 34 mg/kg and 130 mg/kg, respectively.

The results of the soil analyses are summarized in Table 3: Soil Analytical Data. Copies of the laboratory reports are attached as Appendix C.

Analysis of groundwater samples from the earlier AEI borings found TPH-g, TPH-d, and TPH-mo at concentrations up to 1,400 µg/L, 9,900 µg/L, and 38,000 µg/L, respectively. The RWQCB RBSLs for protection of the groundwater at commercial/industrial sites for TPH-g, TPH-d and TPH-mo are 500 µg/L, 640 µg/L, and 640 µg/L, respectively. The laboratory also reported non-(LNAPL in the groundwater samples from borings SB-7 and SB-9.

The results of the earlier groundwater analyses are summarized in Table 4: Groundwater Sample Analytical Data and shown on Figures 3 through Figure 6.

II Investigative Efforts

Fire Department records show that two USTs were abandoned in place in the survey area. These USTs are labeled UST-1 and UST-2 on Figure 3 along with other features identified during the survey. AEI performed a geophysical survey of the site on November 10, 2005, to confirm the location and orientation of the USTs. The Ground Penetrating Radar (GPR) survey showed clear returns identifying the circular outline of UST-2; however no clear reflections were seen in the area of UST-1, probably due to the presence of the concrete vault and reinforcing steel. An electromagnetic (EM) survey of the area identified UST-2, but the presence of multiple pipes and other objects obscured a clear EM identification of UST-1. No radar evidence of a UST was found in the area of Lowney UST-3; however a small scale EM and radar anomaly are interpreted to be a storm drain and related trench.

During the Geophysical survey a large water separator was identified near boring SB-6 at the end of the utility trench exiting the building. A 4-inch diameter line in the trench enters the separator. This separator has not been abandoned and appears to be connected to the onsite drainage system.

Other lines from the trench were traced using induced radio signals to the southern of the two concrete filled manholes over UST-1. Piping was also traced from a concrete covered pipe stub adjacent to hoist at the north end of UST-2 to the northern concrete filled manhole on UST-1.

AEI performed the additional subsurface investigation at the property on November 18, 2005. Prior to mobilization, AEI applied for a subsurface drilling permit from the Alameda County Public Works Agency (ACPWA). The drilling permit number W2005-1096 was approved by James Yoo on November 8, 2005. Underground Service Alert (USA) was notified more than two business days prior to the drilling to allow local utilities to be marked. Notification of the drilling schedule was made to the county. The boring locations were inspected by George Bolton of the ACPWA following completion of the work.

Soil Sample Collection

The temporary borings were advanced with a Geoprobe[®] model 6610 DT track mounted direct-push drilling rig by Vironex, a licensed California drilling contractor (C57 – 705927). Soil boring SB-16 is located on the raised portion of the loading dock which is approximately four feet above the ground level. The tracked drilling rig was loaded onto a flatbed tow truck which allowed it to be then driven onto the raised loading dock.

A continuous sediment core was cut from the surface to a depth sufficiently below the top of the water table to collect a groundwater sample, typically 20 feet below ground surface (bgs) except in boring SB-16. In boring SB-16, loose rock fill underlying the concrete slab prevented normal coring and the 2-inch diameter sleeve with a sacrificial tip was driven to a depth of approximately 20 feet bgs (24 feet below the dock level) to allow a water sample to be collected. The cores in SB-13 through SB-15 were cut using an approximately 2-inch outer diameter sampling tube, which held in 1.75-inch diameter acrylic liners 5-feet in length. At least one

sediment sample was collected from each 4-5 feet of sediment cored above obviously wet sediments for possible retention and chemical analysis. An adjacent sample was placed in a 1-quart zipper locking plastic bag and used for field screening. The samples were screened using a calibrated Mini RAE Plus Classic (Model PGM-76IS) photo ionization detector (PID). The tip of the PID was inserted into the sealed 1-quart bag through a small diameter hole poked into the bag. The PID readings were recorded on the boring logs. The borings were logged by an AEI Professional Geologist using the Unified Soil Classification System (USCS). Copies of the boring logs, including depth of samples collected are included in Appendix B.

The soil samples retained for possible chemical analysis were sealed with Teflon® film and plastic end-caps. Each sample was labeled with at minimum, the company name and project number, a unique sample identifier, the sampler's name, and the time and date of the sample collection. The samples were placed in individual zipper locking bags and placed in a cooler with wet ice, pending transportation to the laboratory. The remainder of each core was examined and described by the AEI geologist. The cores are described in the boring logs that are included in Appendix A.

Groundwater Sample Collection

Groundwater samples were collected from the eight (8) soil borings that reached the groundwater. A new, unused ¾-inch PVC casing was placed in each boring to facilitate collection of the water samples. The casing consisted of 10-feet of 0.010-inch slotted casing (15 feet in SB-16) and sufficient blank casing to rise above the ground surface. The groundwater samples were collected using ¼-inch polyethylene tubing with a check valve on the bottom. Groundwater samples were collected directly into one 1-liter amber bottle and three 40-milliliter (ml) volatile organic analysis vials (VOAs). Water entry into the soil borings was generally slow due to the presence of interstitial clay in the sand. Up to 30 to 60 minutes was often required to collect a full liter bottle of groundwater for TPH-d/mo analysis.

Each sample was labeled with at minimum, the company name and project number, a unique sample identifier, the sampler's name, and the time and date of the sample collection. The samples were placed in individual zipper locking bags and placed in a cooler with wet ice, pending transportation to the laboratory.

Boring Destruction

Following sample collection, the bottom cap on the casing in each boring was knocked off using a small diameter rod. The boring was then sealed to the surface with neat cement using the casing as a tremie pipe in accordance with ACPWA and State of California guidelines.

Laboratory Analysis

The soil and groundwater samples were transported the same day collected to McCampbell Analytical, Inc. (Department of Health Services Certification #1644) under chain of custody

protocol. One soil sample from borings SB-13 and SB-15 were selected for chemical analysis. One groundwater sample was selected from each boring for chemical analysis. The results of these soil and groundwater analyses are shown on Tables 1 and Table 2 along with previously analyzed samples. Chain of custody documents and copies of the laboratory analytical reports are included in Appendix C

The soil and groundwater samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g), Methyl tertiary butyl ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX) by methods SW 8015Cm/8021B. In addition, analysis was performed for Total Petroleum Hydrocarbons as diesel (TPH-d) and Total Petroleum Hydrocarbons as motor oil (TPH-mo) by EPA method 8015C.

III Findings

Soil Analyses

No soil samples were retained from soil boring SB-14 as the boring was a twin to the previously drilled EB-15. No soil samples were collected from soil boring SB-16 due to the coarse gravel underling the loading dock slab which prevented soil coring.

No detectable concentrations of TPH-g, TPH-d, TPH-mo, MTBE or BTEX, were reported in soil samples from 10 feet bgs in soil borings SB-13 and SB-15 at or above laboratory method detection limits of 1.0 mg/kg, 1.0 mg/kg, 5.0 mg/kg, 0.05 mg/kg, and 0.005 mg/kg, respectively.

The results of the soil analyses are summarized in Table 1: Soil Analytical Data. Copies of the laboratory reports are attached as Appendix C.

Groundwater Analyses

TPH-d was detected in boring SB-13 at a concentration of 120 µg/L. No TPH-g, TPH-mo, MTBE or BTEX was reported from this boring at or above laboratory detection limits of 50 µg/L, 250 µg/L, 5.0 µg/L, and 0.5 µg/L, respectively.

TPH-g, TPH-d, and TPH-mo were detected in boring SB-14 at concentrations of 1,700 µg/L, 650 µg/L, and 440 µg/L, respectively. BTEX was detected at concentrations of 37 µg/L, 1.8 µg/L, 67 µg/L, and 7.8 µg/L, respectively.

TPH-d was detected in boring SB-15 at a concentration of 72 µg/L. No TPH-g, TPH-mo, MTBE or BTEX was reported at or above detection limits of 50 µg/L, 250 µg/L, 5.0 µg/L, and 0.5 µg/L, respectively.

TPH-d was detected in boring SB-16 at a concentration of 72 µg/L. No TPH-g, TPH-mo, MTBE or BTEX were reported in this boring at or above detection limits of 50 µg/L, 250 µg/L, 5.0 µg/L, and 0.5 µg/L, respectively.

The results of the groundwater analyses are summarized in Table 2: Groundwater Sample Analytical Data and shown on Figures 4 and 5. Copies of the laboratory analytical reports and the chain of custody documentation are attached as Appendix C.

VI Discussion

The sediment underlying the subject site is fine-grained well-sorted sand (Merritt Sand – Quaternary Geology of Alameda County - OFR 97-97). Microscopic examination of the sand identified a significant clay matrix between the sand grains. This clay appears to be a secondary deposit resulting from mixing of fresh groundwater and saltwater from the bay. This mixing of waters of differing salinities results in chemically precipitated clays within the pore space between the sand grains. This results in sand with very low transmissivity to fluids. A consequence of this low transmissivity is minimal movement of the impacting hydrocarbons away from their source.

Depth to groundwater in the soil borings during the AEI investigation ranged from 10 feet to 15 feet bgs. Groundwater recharge in to soil borings was slow and variable.

Based on data from groundwater monitoring wells in the northwest corner of the site, the groundwater gradient is relatively flat with a flow direction to the north northwest (personal communication, Doug Orem, ETIC). In general little migration of contaminants in the groundwater appears to have occurred in this or other areas of the site. Remediation of this area was made extremely difficult due to the low transmissivity of the sand. The remediation efforts carried out by ETIC and other, required 169 monitoring, soil vapor and extraction wells in a relatively small area. With the benefit of hindsight, it appears that remediation of this area by vapor and groundwater extraction was probably not the most cost effective approach to the problem in the northeast corner of the site.

In light of the ETIC's experience in the northwest corner of the site the higher viscosities of the diesel and motor oil range hydrocarbons which predominate in hydrocarbon plume adjacent to the boiler room, remediation of the plume using tradition pump and treat technologies would not be effect in the area adjacent to the boiler room and the UST abandoned in place. The same low transmissivity sand also would severely reduce insitu approaches to remediation such as injection of oxidants.

The relatively shallow depth of the groundwater plume and the soft relatively unconsolidated nature of the underlying sand suggest that excavating the area of the plume to the base to several feet below the top of the groundwater followed by dewatering of the excavation, would be the fastest and most economic approach to remediation the hydrocarbon release. The location of the plume immediately adjacent to the raised loading dock and adjacent boiler area means that excavation adjacent to the foundations would undermine the building integrity. Consequently, excavation of the contamination is also not a viable option so long as the current adjacent structures are in place

The absence of significant concentrations of volatile organic compounds (VOCs) indicates that no significant hazard to surface occupancy exists in the investigation area. This and the low transmissivity of the sand support an argument for minimal action and monitored natural attenuation (MNA). However, the presence of LNAPL and low transmissivity of the sediments mean that natural attenuation would be slow and require years to meet regulatory guidelines.

The available records indicate two (2) USTs in the investigation were abandoned in place by filling them with a cement grout. It appears reasonably obvious that the release of medium to high weight hydrocarbons from these tanks and the lift at the loading dock are the probable source of the hydrocarbons identified in the groundwater. It is impossible to determine whether these USTs are currently contributing to the identified hydrocarbon plume. It also cannot be determined if removal of these tanks would have any beneficial impact on the hydrocarbon plume.

The results of soil analyses from both the AEI and Lowney investigations found no significant impact to the shallow soils above the groundwater except in soil boring EB-15.

Gasoline Range Hydrocarbons

TPH-g and BTEX at concentrations significantly above the Regional Water Quality Control Board (RWQCB) RBSL of 500 µg/L (commercial/industrial sites with water not a potential source of drinking water) was found in current soil boring SB-14 and previous soil borings SB-10 and EB-15. The decrease in concentrations TPH-g found a little over a year apart in twin soil boring EB-15 and SB-14 appears quite significant. The difference may represent a real decrease in concentration over time, however or the differences may be the result of changes in groundwater levels or other differences in sampling that are not apparent.

The extent of the TPH-g seen in borings SB-14 and EB-15 is limited to the area immediately around those borings. No TPH-g is seen to south (EB-25), to the west (EB-13), to the north (SB-8 and EB-25) or southeast (SB-3). TPH-g concentration drop to below the RWQCB RBSL for gasoline a short distance to the east in SB-9. The source of the gasoline range hydrocarbons is not immediately obvious as no USTs or other equipment appear to be related to its presence at EB-15/SB-14. However, these borings are adjacent to a major joint in the concrete pad covering the site which would provide a conduit for a surface spill. The soil sample analyzed from boring EB-15 from a depth of 1.5 – 2.0 feet below the surface, some 8 feet above the groundwater, found 610 mg/kg TPH-g which makes it probable that that a localized surface spill penetrating downward through the joint is the source of the gasoline plume in the groundwater.

Diesel Range Hydrocarbons

The impact by TPH-d to the groundwater in the area of AEI soil borings SB-15 and SB-16 is significantly below the RWQCB's commercial/industrial RBSL for TPH-d of 640 µg/L. This combined with TPH-mo being below detection limits in the same groundwater samples indicates that the free product plume previously identified around the north end of USTs 1 and 2 and adjacent to the loading dock doesn't extent under the raised portion of the dock area. The TPH-

d concentration in the water sample from SB-13 is significantly below the RBSL while the 650 µg/L reported in SB-14 is only slightly above the RBSL and is probably not significant.

Oil Range Hydrocarbons

The only TPH-mo reported above the laboratory detection limit in the latest round of soil borings was 440 µg/L in SB-14. This is below the commercial/industrial RBSL for motor oil of 640 µg/L. The presence of both the diesel and oil range hydrocarbons in the area of SB-13 is likely the result of dilution and mobilization by the gasoline range hydrocarbons seen in borings EB-15 and SB-14.

Groundwater with TPH-mo concentrations above the RWQCB's RBSL of 640 µg/L is seen only along the south edge of the loading dock (SB-7, SB-8 and EB-14) and in boring SB-9 west of the abandoned USTs.

VII Conclusion

AEI believes that the releases discussed above are localized and essentially immobile. AEI also believes that they pose no significant or immediate threat to the environment or to the current surface occupancy. As the nature of the sediments and presence of the current surface structures effectively render available remedial options ineffective or cost prohibitive, AEI recommends no further action of the releases unless the current structures are demolished or a change surface inactivity to something other than commercial/industrial is considered. Mitigation of TPH impact to the shallow groundwater may be required if redevelopment of the property occurs.

VIII References

1. *Quaternary Geology of Alameda County, and Parts of Contra Costa, Santa Clara, San Mateo, San Francisco, Stanislaus, and San Joaquin Counties, California: A Digital Database Digital Data Base Open File 97-97*, by E.J. Helley and R.W. Graymer U.S.G.S.
2. *Request to abandon two Boiler Fuel Tanks in Place*, Anania Geologic Engineering, June 5, 1989
3. *Phase I Environmental Site Assessment and Soil and Ground Water Quality Evaluation*, Lowney Associates, 2004
4. *Phase II Subsurface Investigation*, AEI Consultants, October 2005

IX Report Limitation

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the required information, but it cannot be assumed that

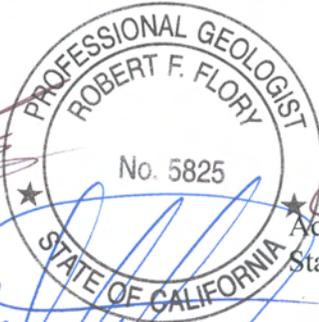
they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering field, which existed at the time and location of the work.

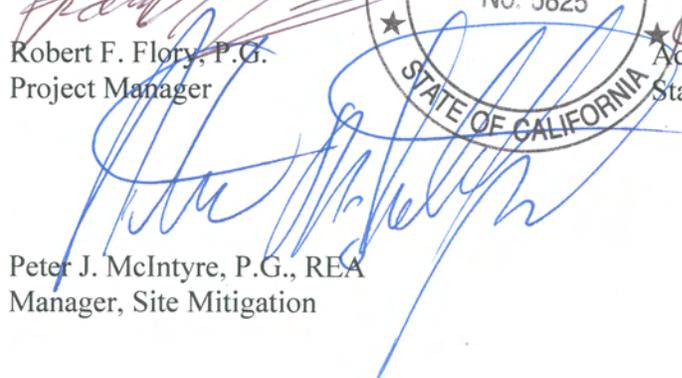
If you have any questions regarding our investigation, please do not hesitate to contact Robert Flory at (925) 944-2899.

Sincerely,


Robert F. Flory, P.G.
Project Manager




Adrian M. Angel
Staff Geologist


Peter J. McIntyre, P.G., REA
Manager, Site Mitigation

Figures

- Figure 1: Site Location Map*
- Figure 2: Site Plan*
- Figure 3: Geophysical Survey*
- Figure 4: TPH Concentrations in Groundwater*
- Figure 5: TPH-g Isopleths in Groundwater*
- Figure 6: TPH-d Isopleths in Groundwater*
- Figure 7: TPH-mo Isopleths in Groundwater*

Tables

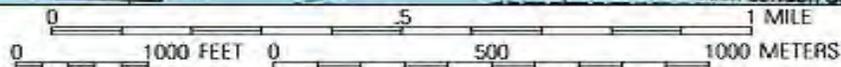
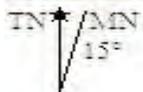
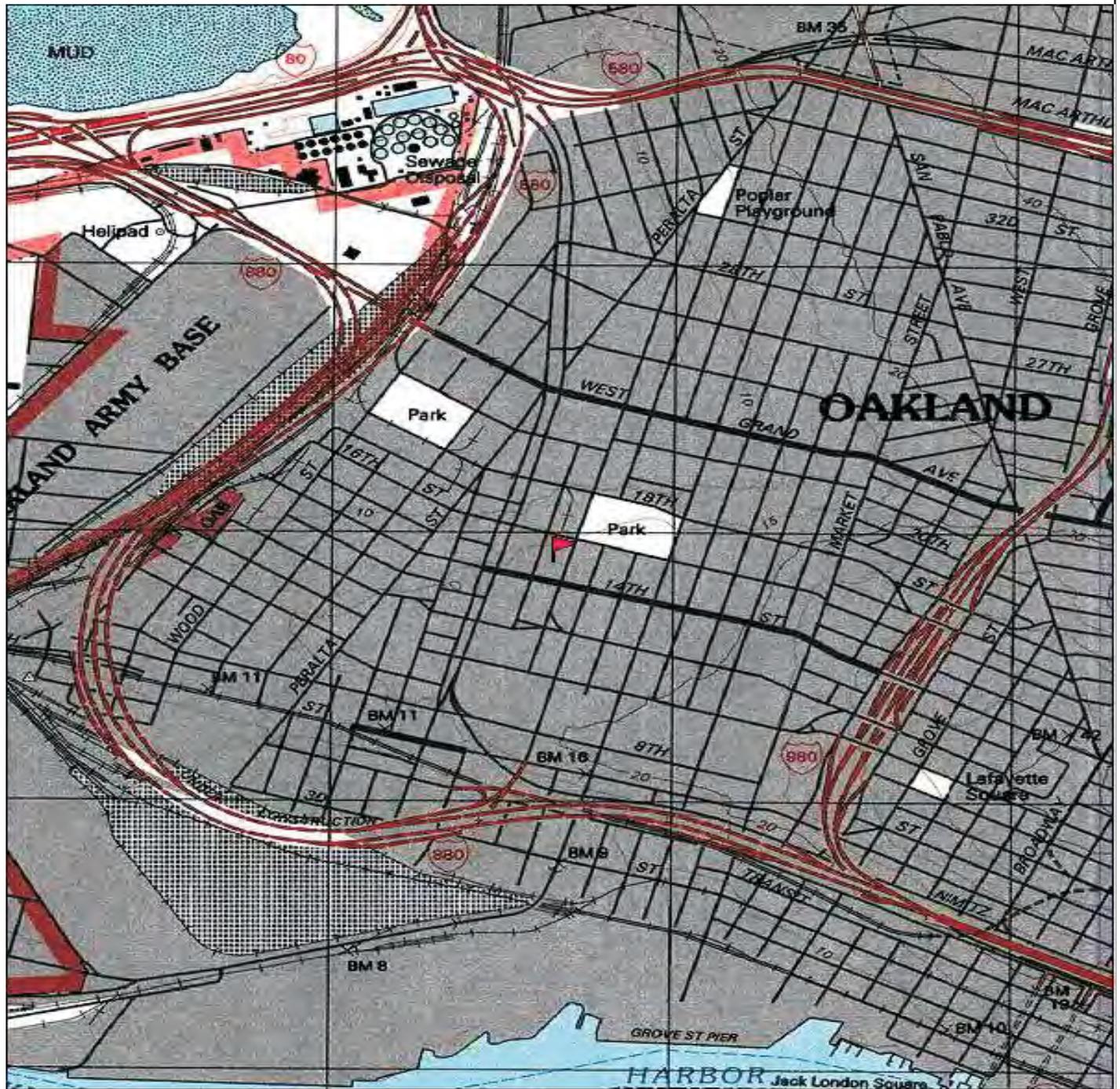
- Table 1: Soil Analytical Data*
- Table 2: Groundwater Analytical Data*
- Table 3: Lowney Soil Analytical Data*
- Table 4: Lowney Groundwater Analytical Data*

Appendix A Boring Permits

Appendix B Boring Logs

Appendix C Laboratory Analyses w/ Chain of Custody Documentation

FIGURES



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com topo)

<p>AEI CONSULTANTS 2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597</p>	
<p>SITE LOCATION PLAN</p>	
<p>1310 14th Street Oakland, California</p>	<p>FIGURE 1 Job No: 115184</p>

16th STREET

Entrance Gate

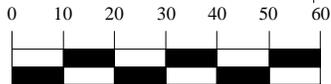
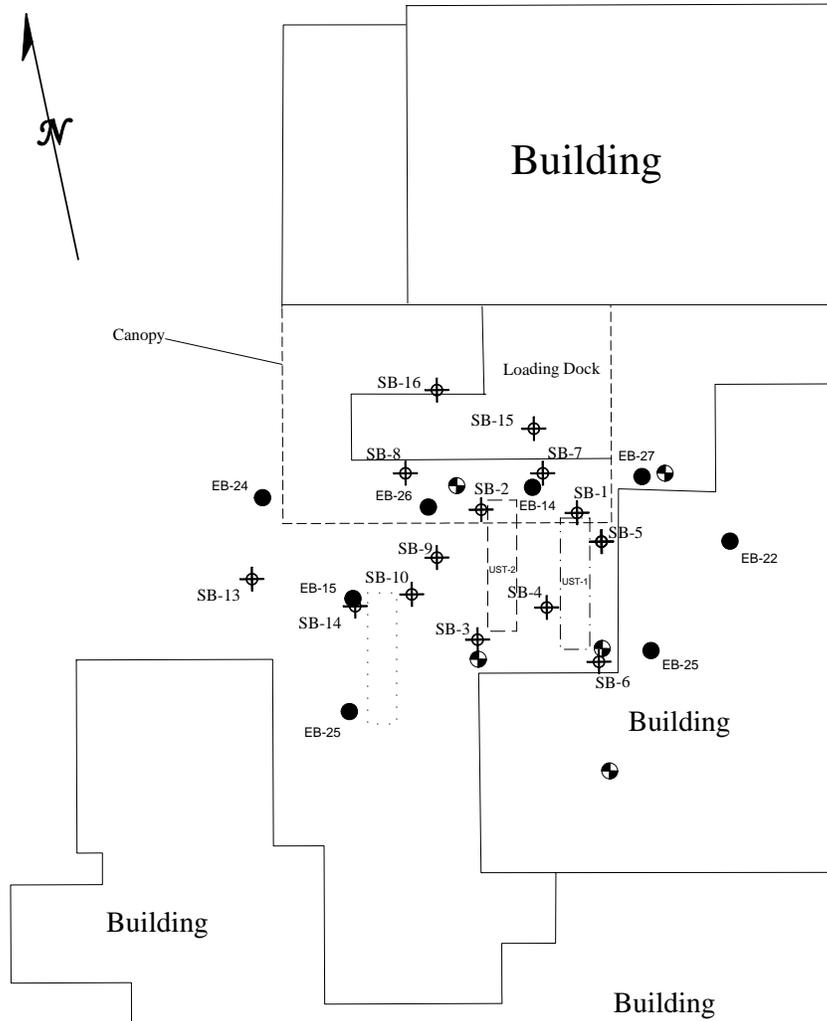


Building

Canopy

Loading Dock

POPLAR STREET



- Former Well - Anania
- Soil Boring - AEI
- Soil Boring - Lowney
- Proposed Soil Boring

- UST Confirmed with Radar and EM
- UST Possible - poor Radar image area
- Lowney UST Location - no evidence

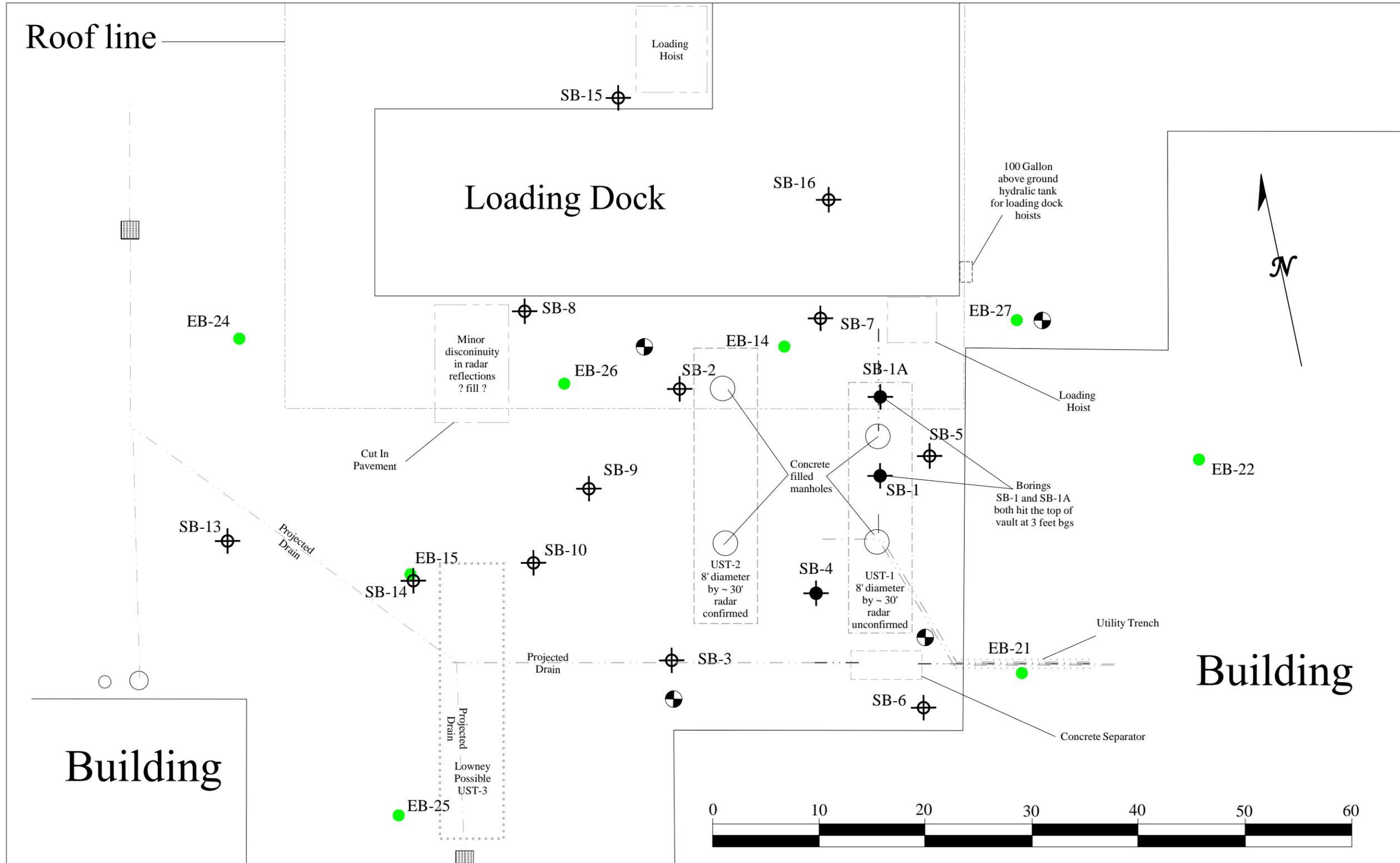
AEI CONSULTANTS

2500 CAMINO DIABLO, SUITE 100, WALNUT CREEK, CA

SITE PLAN

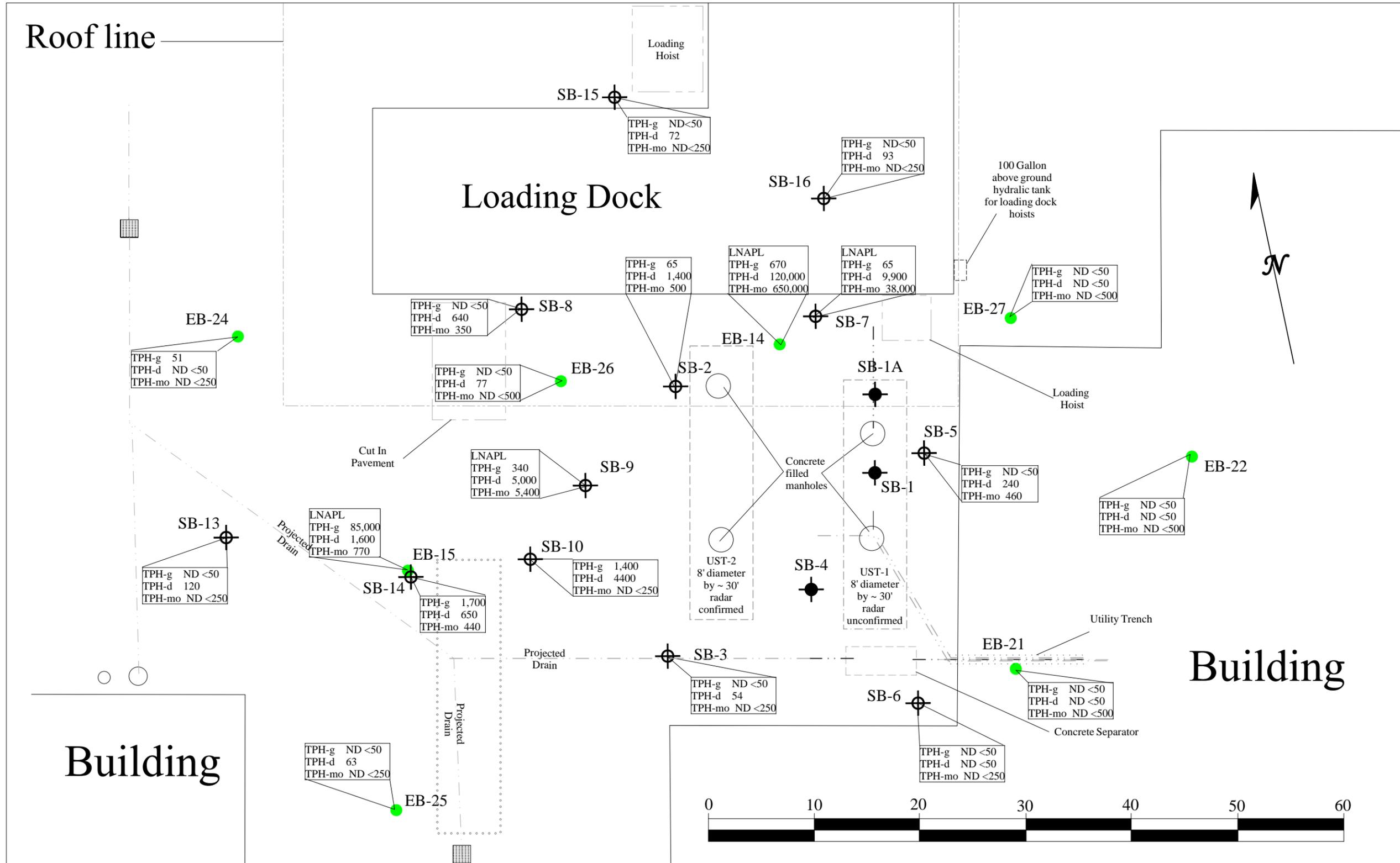
1310 16th AVENUE
OAKLAND, CALIFORNIA

FIGURE 2
Project No. 115184



- Soil boring - AEI
- Soil boring - shallow refusal - AEI
- Soil boring - Lowney 2004
- Former Well - Anania
- UST Confirmed with Radar and EM
- UST in vault - poor Radar image area
- Lowney UST Location - radar no evidence

AEI CONSULTANTS	
2500 CAMINO DIABLO, SUITE 100, WALNUT CREEKI, CA	
Geophysical Survey	
1310 14th STREET OAKLAND, CALIFORNIA	FIGURE 3 Project No. 115184

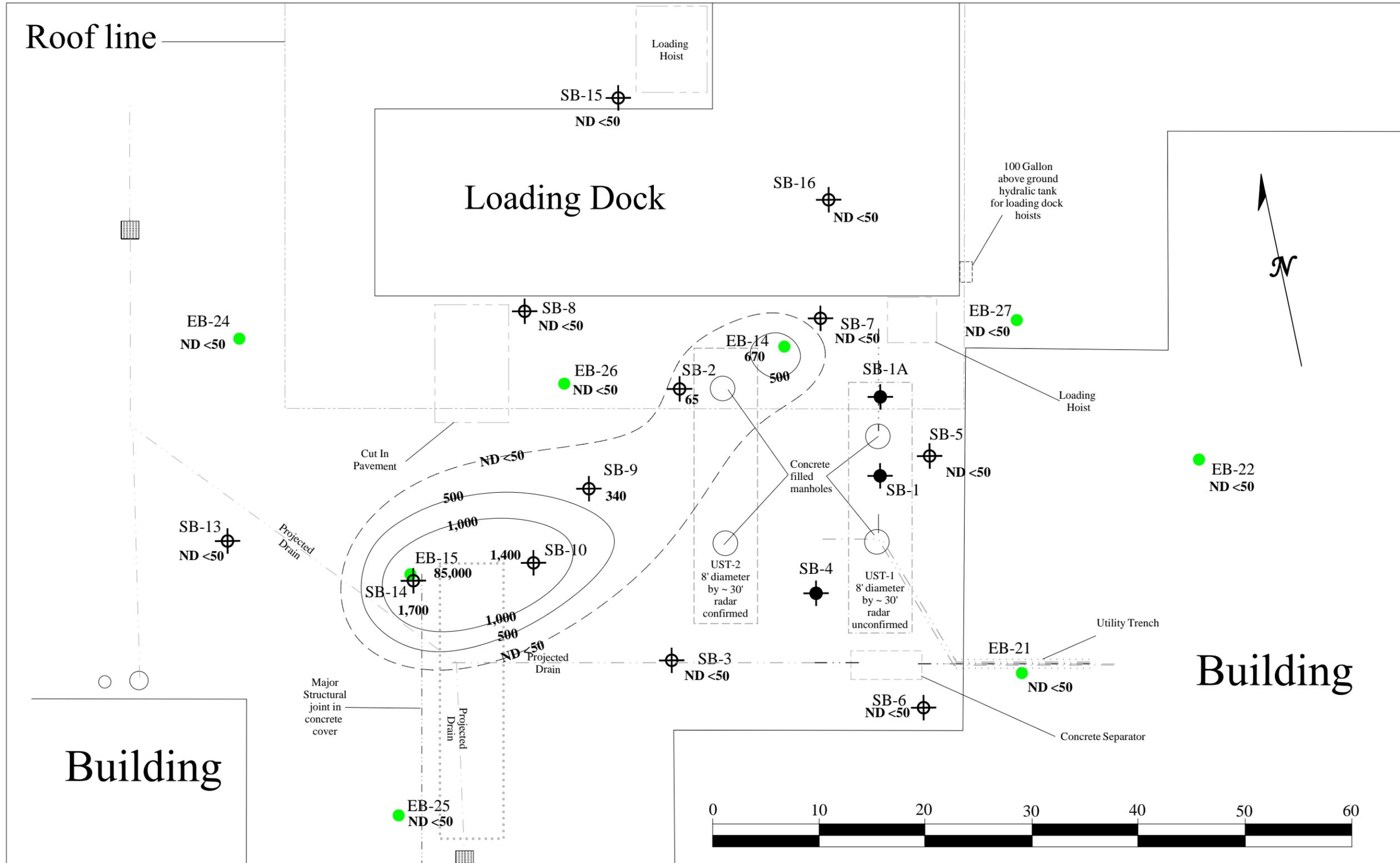


- Soil boring - AEI
- Soil boring - shallow refusal - AEI
- Soil boring - Lowney 2004

- UST Confirmed with Radar and EM
- UST in vault - poor Radar image area
- Lowney UST Location - radar no evidence

Hydrocarbon Concentrations in micrograms per liter
 TPH-g ND <50 Total Petroleum Hydrocarbons as gasoline
 TPH-d 63 Total Petroleum Hydrocarbons as diesel
 TPH-mo ND <250 Total Petroleum Hydrocarbons as motor oil

AEI CONSULTANTS	
2500 CAMINO DIABLO, SUITE 100, WALNUT CREEKI, CA	
TPH Concentrations in Groundwater	
1310 14th STREET OAKLAND, CALIFORNIA	FIGURE 4 Project No. 115184

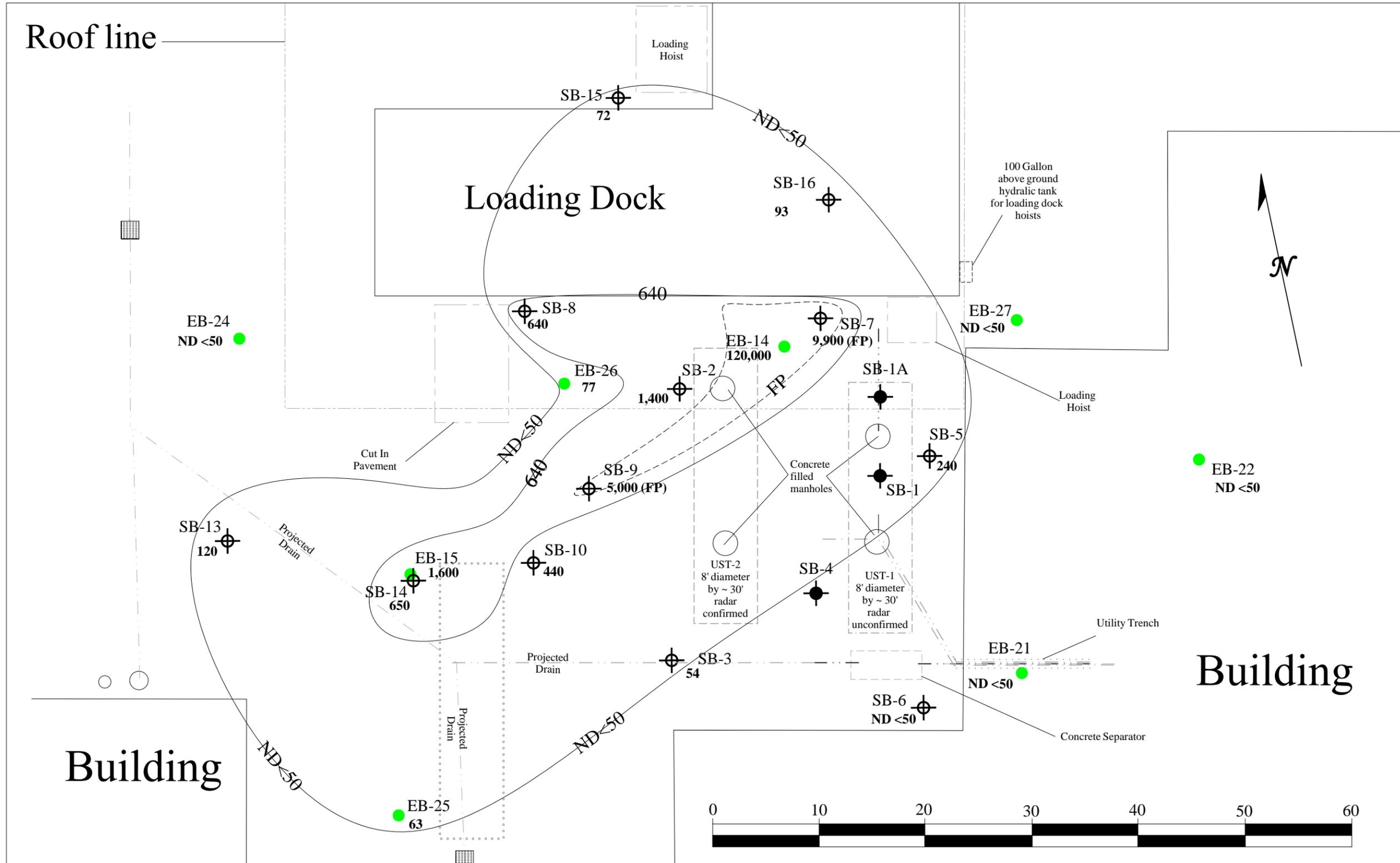


	Soil boring - AEI		UST Confirmed with Radar and EM
	Soil boring - shallow refusal - AEI		UST in vault - poor Radar image area
	Soil boring - Lowney 2004		Lowney UST Location - radar no evidence
ND <50	Not detected at indicated laboratory detection limit in micrograms per liter		
400 - TPH-mo RBSL for commercial/industrial sites			

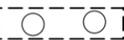
AEI CONSULTANTS
2500 CAMINO DIABLO, SUITE 100, WALNUT CREEKI, CA

TPH-g Concentrations in Groundwater

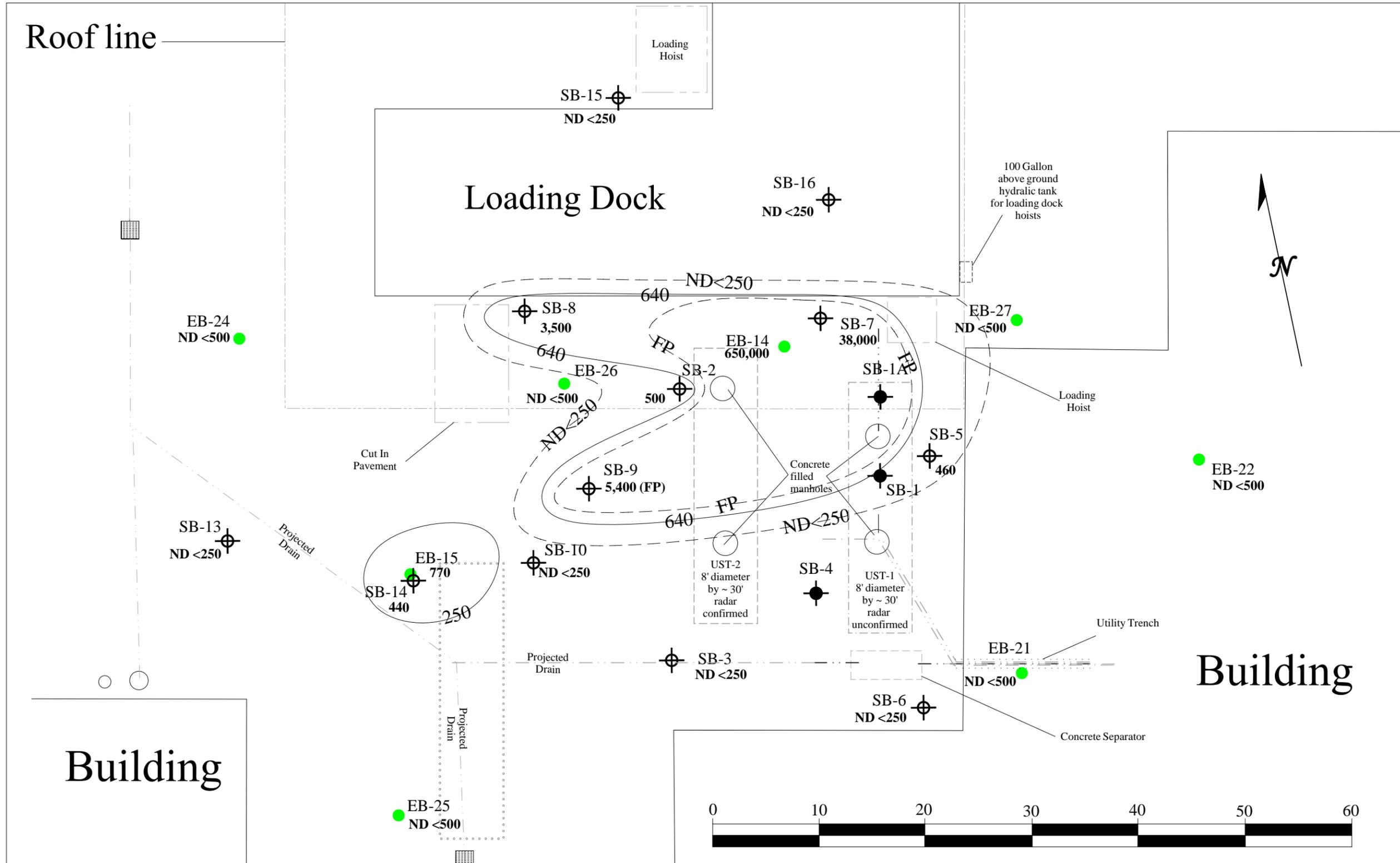
1310 14th STREET OAKLAND, CALIFORNIA	FIGURE 5 Project No. 115184
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-  Soil boring - AEI
-  Soil boring - shallow refusal - AEI
-  Soil boring - Lowney 2004
- ND <50** Not detected at indicated laboratory detection limit in micrograms per liter
- 640 - TPH-mo RBSL for commercial/industrial sites

-  UST Confirmed with Radar and EM
-  UST in vault - poor Radar image area
-  Lowney UST Location - radar no evidence

AEI CONSULTANTS	
2500 CAMINO DIABLO, SUITE 100, WALNUT CREEKI, CA	
TPH-d Concentrations in Groundwater	
1310 14th STREET OAKLAND, CALIFORNIA	FIGURE 6 Project No. 115184



	Soil boring - AEI		UST Confirmed with Radar and EM
	Soil boring - shallow refusal - AEI		UST in vault - poor Radar image area
	Soil boring - Lowney 2004		Lowney UST Location - radar no evidence
ND <250	Not detected at indicated laboratory detection limit in micrograms per liter		
TPH-mo RBSL for commecrial/industrial sites - 640 ug/L			

AEI CONSULTANTS	
2500 CAMINO DIABLO, SUITE 100, WALNUT CREEKI, CA	
TPH-mo Concentrations in Groundwater	
1310 14th STREET OAKLAND, CALIFORNIA	FIGURE 7 Project No. 115184

TABLES

Table 1: Lowney Soil Analytical Data (2004)
Hall Equities, 1310 14th Street (1310 16th Street) Oakland, CA

Sample ID	Sampling Date	TPH-g	TPH-d	TPH-mo	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
		mg/kg <i>(EPA method 8015C)</i>	mg/kg <i>(EPA method 8015C)</i>	mg/kg <i>(EPA method 8015C)</i>	mg/kg <i>(EPA method 8021B)</i>	mg/kg <i>(EPA method 8021B)</i>	mg/kg <i>(EPA method 8021B)</i>	mg/kg <i>(EPA method 8021B)</i>	mg/kg <i>(EPA method 8021B)</i>
EB-14	02/10/04	2	3,700	21,000	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
EB-15	02/10/04	610	230	300	ND<0.005	ND<0.005	ND<0.005	0.56	ND<0.005
EB-24	02/17/04	ND<1.0	ND<1.0	ND<50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
EB-25	02/17/04	ND<1.0	ND<1.0	ND<50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
EB-26	02/17/04	ND<1.0	ND<1.0	ND<50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
EB-27	02/17/04	ND<1.0	ND<1.0	ND<50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
RWQCB RBSL		400	500	1000	5.6	0.38	9.3	1.3	1.5

for commercial/industrial sites, soil less than or equal to 3 meters, groundwater not a potential drinking water source.

values in bold exceed soil RBSL

TPH-g = Total petroleum hydrocarbons as gasoline

TPH-d = Total petroleum hydrocarbons as diesel

TPH-mo = Total petroleum hydrocarbons as motor oil

MTBE = methyl tertiary butyl ether

mg/kg = milligrams per kilogram

RBSL - Risk based screening level

Table 2: Lowney Groundwater Analytical Data (2004)
Hall Equities, 1310 14th Street (1310 16th Street) Oakland, CA

Sample ID	Sampling Date	TPH-g	TPH-d	TPH-mo	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
		µg/L	µg/L	µg/L					
		<i>(EPA method 8015C)</i>			<i>(EPA method 8021B)</i>				
EB-14	02/10/04	670	120,000	650,000	ND<0.5	0.74	3.7	1.6	5.8
EB-15	02/10/04	85,000	1,600	770	ND<0.5	350	ND <100	450	ND <200
EB-21	02/12/04	ND<50	ND<50	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0
EB-22	02/12/04	ND<50	ND<50	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
EB-24	02/17/04	51	ND<50	ND<500	ND<5.0	0.70	ND<0.5	ND<0.5	ND<0.5
EB-25	02/17/04	ND<50	63	ND<500	ND<5.0	0.70	ND<0.5	ND<0.5	ND<0.5
EB-26	02/17/04	ND<50	77	ND<500	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
EB-27	02/17/04	ND<50	ND<50	ND<500	ND<0.5	ND<0.5	ND<0.5	0.54	ND<0.5
RWQCB RBSL		500	640	640	1800	46	130	290	13

for commercial/industrial sites, groundwater not a potential drinking water source.
 values in bold exceed soil RBSL

- 1 = lighter than water immiscible sheen/product is present
- TPH-g = Total petroleum hydrocarbons as gasoline
- TPH-d = Total petroleum hydrocarbons as diesel
- TPH-mo = Total petroleum hydrocarbons as motor oil
- MTBE = methyl tertiary butyl ether
- µg/L = micrograms per liter (ppb)

Table 5: Soil Analytical Data
Hall Equities, 1310 14th Street (1310 16th Street) Oakland, CA

Sample ID	Sampling Date	TPH-g	TPH-d	TPH-mo	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg
		<i>(EPA method 8015C)</i>			<i>(EPA method 8021B)</i>				
SB-1 & SB-1a	09/12/05	Shallow refusal, no soil samples			----	----	----	----	----
SB2-10	09/12/05	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB3-10	09/12/05	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-4 & SB-4a	09/12/05	Shallow refusal, no soil samples			----	----	----	----	----
SB5-10	09/12/05	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB6-10	09/12/05	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB 7-10	09/29/05	ND<1.0	21	130	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB 8-10	09/29/05	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB 9-10	09/29/05	7.3	34	40	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB 10-10	09/29/05	1.5	ND<1.0	ND<5.0	ND<0.05	0.018	ND<0.005	0.11	0.016
SB-11 - SB-12	Not drilled								
SB13-10	11/18/05	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB 14	No samples held for analysis								
SB15-10	11/18/05	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB 16	Unstable gravel at surface - no soil samples								
RWQCB RBSL		400	500	1000	5.6	0.38	9.3	1.3	1.5

for commercial/industrial sites, soil less than or equal to 3 meters, groundwater not a potential drinking water source.

values in bold exceed soil RBSL

TPH-g = Total petroleum hydrocarbons as gasoline

TPH-d = Total petroleum hydrocarbons as diesel

TPH-mo = Total petroleum hydrocarbons as motor oil

MTBE = methyl tertiary butyl ether

mg/kg = milligrams per kilogram

RBSL - Risk based screening level

Table 4: Groundwater Analytical Data
Hall Equities, 1310 14th Street (1310 16th Street) Oakland, CA

Sample ID	Sampling Date	TPH-g	TPH-d	TPH-mo	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
		µg/L <i>(EPA method 8015C)</i>	µg/L <i>(EPA method 8015C)</i>	µg/L <i>(EPA method 8015C)</i>	µg/L <i>(EPA method 8021B)</i>	µg/L <i>(EPA method 8021B)</i>	µg/L <i>(EPA method 8021B)</i>	µg/L <i>(EPA method 8021B)</i>	µg/L <i>(EPA method 8021B)</i>
SB-1 & SB-1a	09/12/05	Shallow refusal, no water samples			----	----	----	----	----
SB-2-W19	09/12/05	65	1,400	500	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB-3-W19	09/12/05	ND<50	54	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB-4 & SB-4a	09/12/05	Shallow refusal, no water samples			----	----	----	----	----
SB-5-W19	09/12/05	ND<50	240	460	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB-6-W19	09/12/05	ND<50	ND<50	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB 7- W	09/29/05	ND<50	9,900¹	38,000	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB-8 W	09/29/05	ND<50	640	350	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB-9 W	09/29/05	340	5,000¹	5,400	ND<5.0	1.0	ND<0.5	ND<0.5	ND<0.5
SB-10 W	09/29/05	1400	440	ND<250	ND<5.0	23	0.87	130	18
SB-11 - SB-12	Not drilled								
SB13-W-20	11/18/05	ND<50	120	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB14-W-20	11/18/05	1,700	650	440	ND<5.0	37	1.8	67	7.8
SB15-W-20	11/18/05	ND<50	72	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
SB16-W-20	11/18/05	ND<50	92	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
RWQCB RBSL		500	640	640	1800	46	130	290	13

for commercial/industrial sites, groundwater not a potential drinking water source.

values in bold exceed soil RBSL

1 = lighter than water immiscible sheen/product is present

TPH-g = Total petroleum hydrocarbons as gasoline

TPH-d = Total petroleum hydrocarbons as diesel

TPH-mo = Total petroleum hydrocarbons as motor oil

MTBE = methyl tertiary butyl ether

µg/L = micrograms per liter (ppb)

APPENDIX A

Boring Permits

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 11/08/2005 By jamesy
Permits Issued: W2005-1096

Receipt Number: WR2005-2183
Permits Valid from 11/18/2005 to 11/18/2005

Application Id: 1131396808316
Site Location: 1310 16th St. (1310 14th)
Project Start Date: 11/18/2005

City of Project Site:Oakland

Completion Date:11/18/2005

Applicant: AEI Consultants - Robert Flory
2500 Camino Diablo, Ste 100, Walnut creek, CA 94597

Phone: 925-944-2899

Property Owner: (Heather Dennis) Hall Equities Group
1855 Olympic Blvd, Ste 250, Walnut Creek, CA 94596

Phone: 925-933-4150

Client: (Heather Dennis) Hall Equities Group
1855 Olympic Blvd, Ste 250, Walnut Creek, CA 94596

Phone: 925-933-4150

Contact: Robert Flory

Phone: 925-944-2899
Cell: 925-457-7517

Total Due: \$200.00
Total Amount Paid: \$200.00
Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 3 Boreholes
Driller: Vironex - Lic #: 705927 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-1096	11/08/2005	02/16/2006	3	2.00 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact George Bolton for an inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

APPENDIX B

Boring Logs

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-1
 Sheet 1 of 1

Date(s) Drilled September 12, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Direct Push	Drill Bit Size/Type	Total Depth of Borehole 3 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s) None	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFR\12130 SGWI (Hall Equities) RFF\12130 SB_1_10.bgs [DP Boring 20.tp]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				SP		Concrete,		
				SP		Sand, white 10YR 8/1, fine grained, clean, loose sand, slightly moist		
				SP		∇ Sand, very dark gray, 7.5YR 3/1, fine grained, clayey, moist		
				SP		∇ Sand, strong brown - brown 7.5YR 5/8 - 5/4, fine grained, clayey, moist		
						Refusal on concrete, bottom of boring		
5								
10								
15								
20								



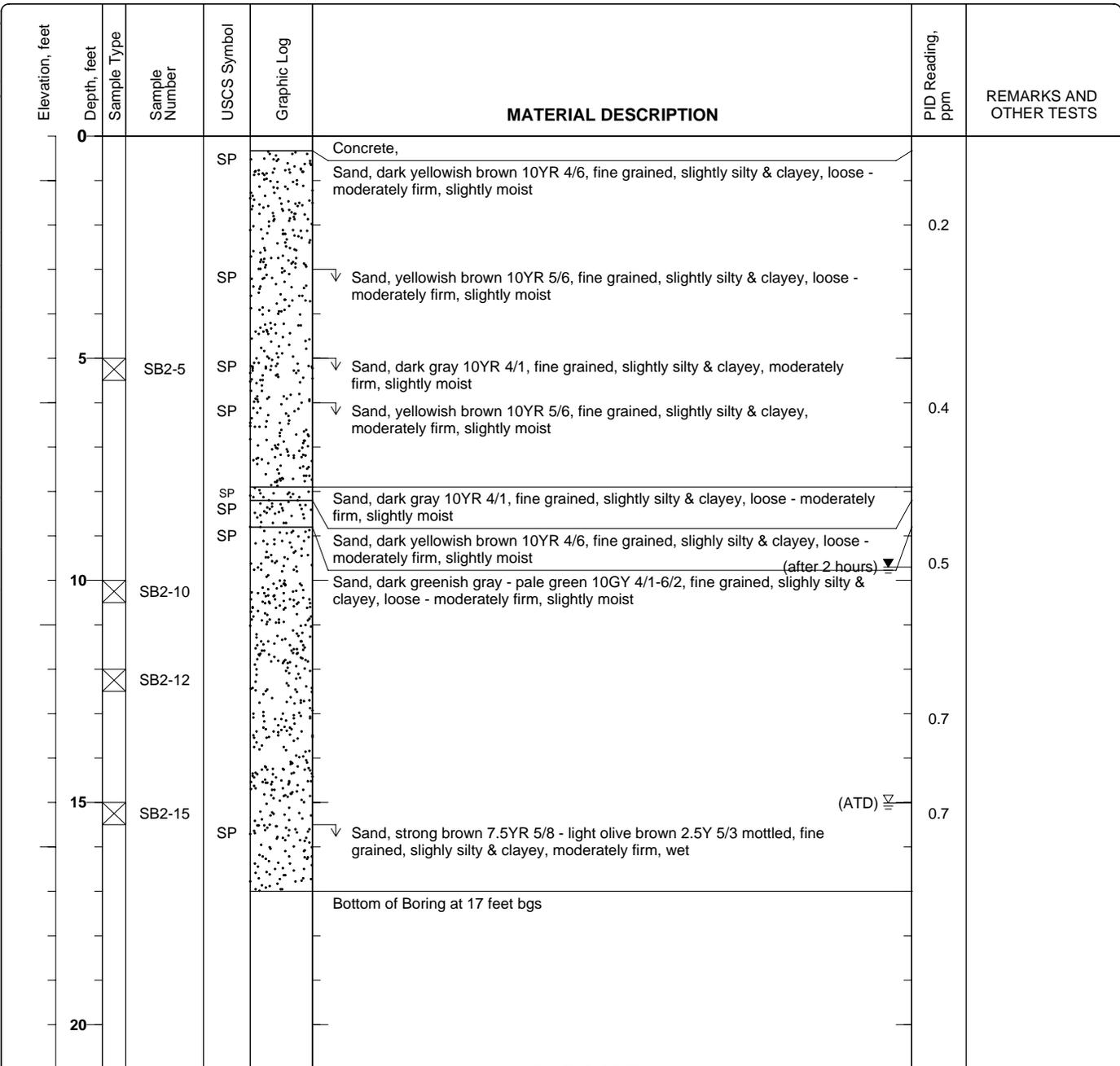
Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-2
 Sheet 1 of 1

Date(s) Drilled September 12, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 17 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured 15.01 feet ATD, 9.7 feet after 2 hours	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFR12130 SGWI (Hall Equities) RFF12130 SB1_10.bgs [DP Boring 20.tpl]



Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-3
 Sheet 1 of 1

Date(s) Drilled September 12, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 19 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured 14.5 feet ATD, 11.07 feet after 1 hour	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFR12130 SGW (Hall Equities) RFF12130 SB-3_10.bgs [DP Boring 20.rpt]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				SP	Concrete,		0.4	
				SP	↓ Sand, very dark grayish brown 10YR 3/2, fine grained, slightly silty & clayey, loose - moderately firm, slightly moist			
				SP	↓ Sand, dark grayish brown 10YR 3/3, fine grained, slightly silty & clayey, loose - moderately firm, slightly moist			
				SP	↓ Sand, strong brown 7.5YR 5/8, fine grained, slightly clayey, moderately firm, slightly moist			
5			SB3-5	SP	↓ Sand, yellowish brown - dark yellowish brown 10YR 5/8-4/6, fine grained, slightly silty & clayey, moderately firm, slightly moist		0.5	
				SP	↓ Sand, dark greenish gray 10YR 4/1, fine grained, slightly silty & clayey, moderately firm, slightly moist			
10			SB3-10	SP	↓ Sand, dark greenish gray - greenish black 5G 4/1-2.5/1, fine grained, slightly silty & clayey, moderately firm, moist		0.7	(after 1 hour) ▾
							0.9	(ATD) ▾
15			SB3-15	SP	↓ Sand, greenish gray - grayish green 5G 5/1-5/2 -, fine grained, slightly silty & clayey, moderately firm, wet		1.2	
				SP	↓ Sand, yellow 10YR 7/8-6/6, fine grained, slightly silty & clayey, loose - moderately firm, slightly moist		0.0	
20					Bottom of Boring at 19 feet bgs			



Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-4
 Sheet 1 of 1

Date(s) Drilled September 12, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 3 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s) None	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland--RFF\12130 SGWI (Hall Equities) RFF\12130 SB_10.bgs [DP Boring 20.tp]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				SP		Concrete, Sand, grayish white, fine grained, slightly silty & clayey, loose - moderately firm, slightly moist		
5						Refusal on rusty steel, concrete filled UST?		
10								
15								
20								



Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-5
 Sheet 1 of 1

Date(s) Drilled September 12, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 19 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland -RFR12130 SGWI (Hall Equities) RFF12130 SB_10.bgs [DP Boring 20.rpt]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				SP		Concrete,		
						Sand, strong brown 7.5YR 5/8 - 4/6, fine grained, slightly silty & clayey, loose, slightly moist	0.1	
5			SB5-5	SP		Sand, Strong brown 7.5YR 5/8-4/6 fine grained, slightly silty & clayey, soft - moderately firm, wet		
				SP		Sand, olive 5Y 4/6 - 2.5Y 6/4-5/4 mottled, fine grained, slightly silty & clayey, moderately firm, moist	0.3	
10			SB5-10	SP		Sand, olive - dark greenish gray 5Y 4/3 - 10GY 4/1 - 5G 4/1, fine grained, slightly silty & clayey, moderately firm, moist	0.2	
			SB5-12				0.9	
15			SB5-15	SP		Sand, olive - dark greenish gray 5Y 4/3 - 10GY 4/1 - 5G 4/1, fine grained, slightly silty & clayey, moderately firm, wet	0.6	
				SP		Sand, yellowish brown 10YR 5/4 with some strong brown 7.5YR 5/8 mottling, fine grained, slightly silty & clayey, moderately firm, wet		
				SP		Sand, yellowish brown 10YR 5/4 fine grained, slightly silty & clayey, moderately firm, wet		
20						Bottom of Boring at 19 feet bgs		



Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-6
 Sheet 1 of 1

Date(s) Drilled September 12, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 19 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured 15.01 feet ATD, 9.7 feet after 2 hours	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland -RFR\12130 SGWI (Hall Equities) RFF\12130 SB_10.bgs [DP Boring 20.rpt]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				SP	Concrete,	Concrete,		
				SP	↓ Sand, strong brown 7.5YR 5/8, fine grained, slightly silty & clayey, loose - moderately firm, slightly moist	↓ Sand, strong brown 7.5YR 5/8, fine grained, slightly silty & clayey, loose - moderately firm, slightly moist	0.3	
				SP	↓ Sand, strong brown 7.5YR 4/6, fine grained, slightly silty & clayey, moderately firm, slightly moist	↓ Sand, strong brown 7.5YR 4/6, fine grained, slightly silty & clayey, moderately firm, slightly moist		
5		SB6-5		SP	↓ Sand, strong brown 7.5YR 5/8, fine grained, slightly silty & clayey, moderately firm, moist	↓ Sand, strong brown 7.5YR 5/8, fine grained, slightly silty & clayey, moderately firm, moist	0.5	
				SP	↓ Sand, brown 10YR 5/4, fine grained, slightly silty & clayey, moderately firm, moist	↓ Sand, brown 10YR 5/4, fine grained, slightly silty & clayey, moderately firm, moist (after 2 hours)	0.3	
10		SB6-10		SP	↓ Sand, brown 10YR 5/4, fine grained, slightly silty & clayey, moderately firm, wet	↓ Sand, brown 10YR 5/4, fine grained, slightly silty & clayey, moderately firm, wet		
				SP	↓ Sand, yellowish brown 10YR 5/4 with some strong brown 7.5YR 5/8 mottling, fine grained, slightly silty & clayey, moderately firm, wet	↓ Sand, yellowish brown 10YR 5/4 with some strong brown 7.5YR 5/8 mottling, fine grained, slightly silty & clayey, moderately firm, wet	0.8	
15		SB6-15		SP	↓ Sand, yellowish brown 10YR 5/4 with some strong brown 7.5YR 5/8 mottling, fine grained, slightly silty & clayey, moderately firm, wet	↓ Sand, yellowish brown 10YR 5/4 with some strong brown 7.5YR 5/8 mottling, fine grained, slightly silty & clayey, moderately firm, wet (ATD)	0.8	
				SP	↓ Sand, yellowish brown 10YR 5/4, fine grained, slightly silty & clayey, moderately firm, wet	↓ Sand, yellowish brown 10YR 5/4, fine grained, slightly silty & clayey, moderately firm, wet		
20					Bottom of Boring at 19 feet bgs	Bottom of Boring at 19 feet bgs		



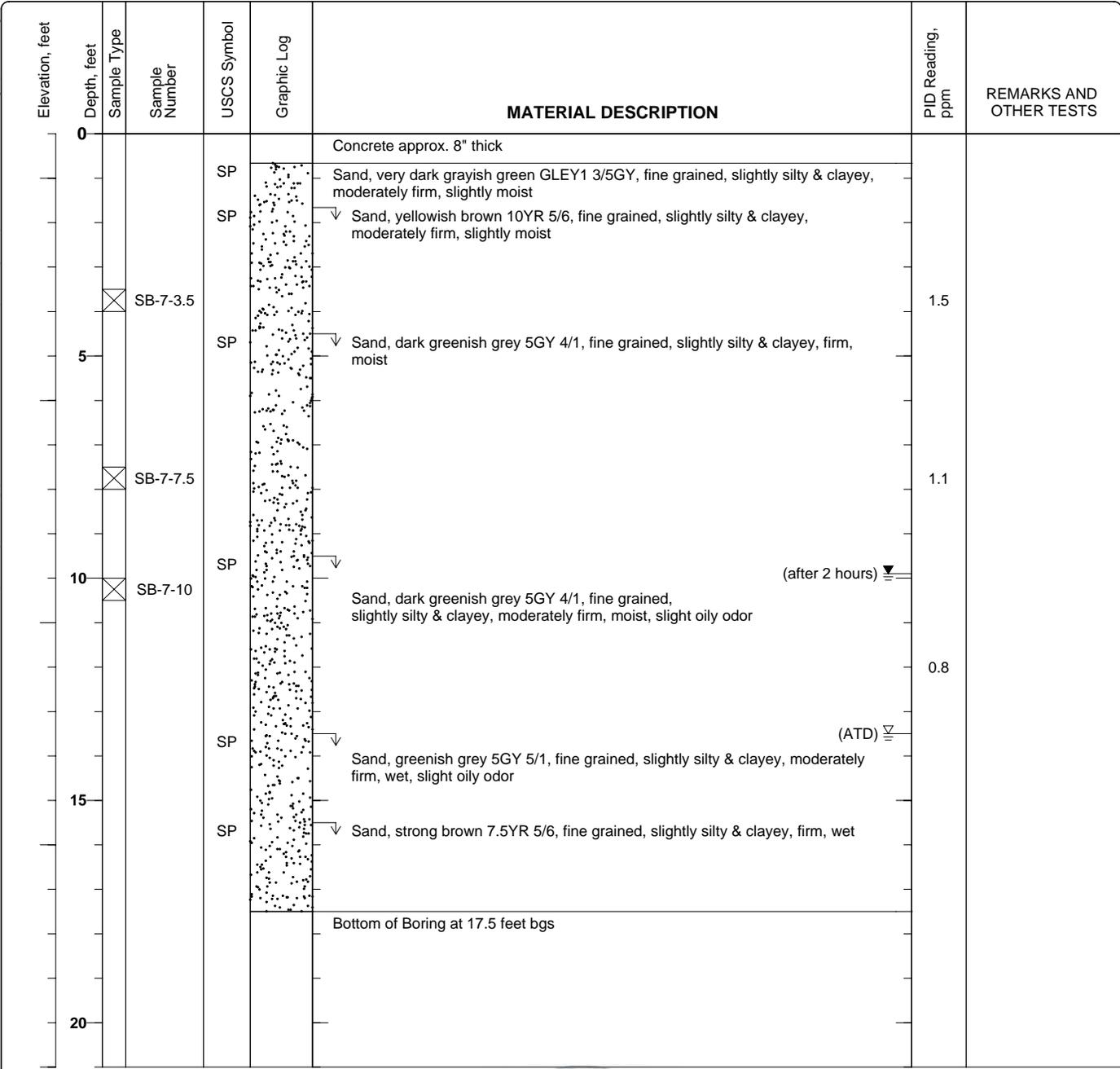
Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-7
 Sheet 1 of 1

Date(s) Drilled September 29, 2005	Logged By Ricky Bradford	Checked By Robert F. Flory
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 17.5 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured 13.5 feet ATD, 9.9 feet after 2 hours	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFR\12130 SGWI (Hall Equities) RFF\12130 SB_10.bgs [DP Boring 20.tp]



Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-8
 Sheet 1 of 1

Date(s) Drilled September 29, 2005	Logged By Ricky Bradford	Checked By Robert F. Flory
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 17.5 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured 13.5 feet ATD, 10 feet after 2 hours	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFR\12130 SGWI (Hall Equities) RFF\12130 SB_10.bgs [DP Boring 20.rpt]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0						Concrete approx. 8" thick		
				SP		Sand, very dark grayish green GLEY1 3/5GY, fine grained, slightly silty & clayey, moderately firm, slightly moist		
				SP		∇ Sand, yellowish brown 10YR 5/6, fine grained, slightly silty & clayey, moderately firm, slightly moist		
		⊗	SB-8-3.5				1.4	
				SP		∇ Sand, dark greenish grey 5GY 4/1, fine grained, slightly silty & clayey, firm, moist, slight decomposition odor		
		⊗	SB-8 7.0				1.2	
				SP				
		⊗	SB-8-10					
				SP		Sand, dark greenish grey 5GY 4/1, fine grained, slightly silty & clayey, moderately firm, moist, slight decomposition odor (after 2 hours) ▽	0.9	
				SP				
				SP		∇ Sand, greenish grey 5GY 5/1, fine grained, slightly silty & clayey, moderately firm, wet, slight decomposition odor (ATD) ▽		
				SP		∇ Sand, strong brown 7.5YR 5/6, fine grained, slightly silty & clayey, firm, wet		
						Bottom of Boring at 17.5 feet bgs		
20								



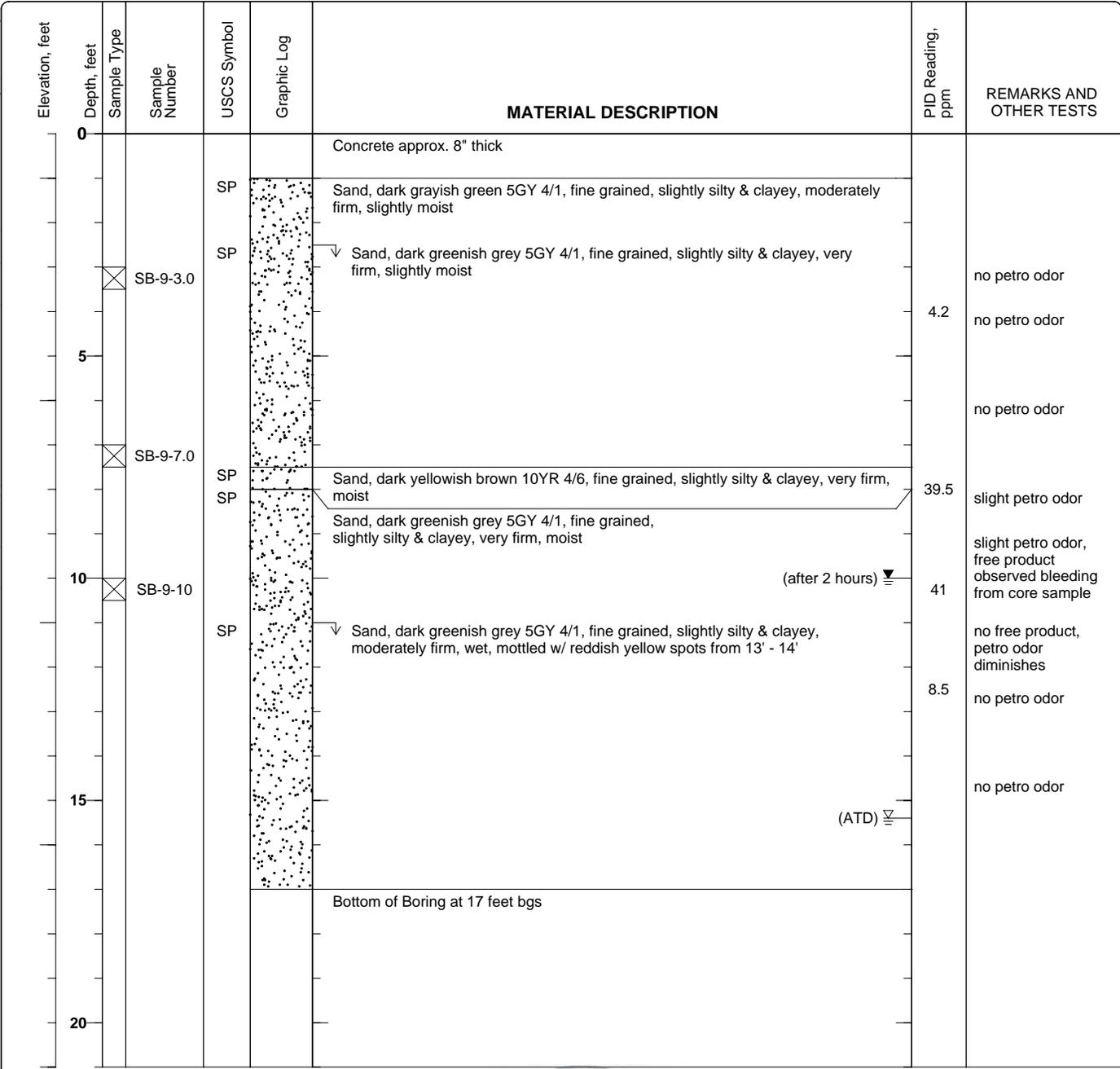
Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-9
 Sheet 1 of 1

Date(s) Drilled September 29, 2005	Logged By Ricky Bradford	Checked By Robert F. Flory
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 17 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured 15.4 feet ATD, 10 feet after 2 hours	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFF12130 SGWI (Hall Equities) RFF12130 SB_10.bgs [DP Boring 20.tpl]



Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-10
 Sheet 1 of 1

Date(s) Drilled September 29, 2005	Logged By Ricky Bradford	Checked By Robert F. Flory
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 19.5 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured 12 feet ATD, 10.9 feet after 2 hours	Sampling Method(s) Tube	Permit # W2005-0847
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFR\12130 SGWI (Hall Equities) RFF\12130 SB_10.bgs [DP Boring 20.tpl]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				SP		Concrete approx. 6" thick		
						Non Native Sand, some gravel component, dark grayish green 10Y 3/1, fine grained, moderately firm, slightly moist		slight petro odor
	5	⊗	SB-10-4	SP		Sand, dark greenish grey 10Y 3/1, fine grained, loose, slightly moist	202	
				SP		Sand, dark yellowish brown 10YR 4/6, fine grained, slightly silty & clayey, very firm, moist	512	strong petro odor, visually stained soil
	10	⊗	SB-10-10	SP		Native sand, very dark greenish grey 10GY 3/1, fine grained, firm, wet (after 2 hours)	41	
				SP		Native sand, brown 10YR 4/3, fine grained, silty & clayey, very firm, wet (ATD)	11.5	no petro odor
20						Bottom of Boring at 19.5 feet bgs		



Figure

Project: Hall Equities
Project Location: 1310 14th Ave, 1310 16th Ave, Oakland, C
Project Number: 12130

Log of Boring SB-11 & SB-12
 Sheet 1 of 1

Date(s) Drilled September 29, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Direct Push	Drill Bit Size/Type 2 inch	Total Depth of Borehole 0 feet bgs
Drill Rig Type Geoprobe 5410	Drilling Contractor EnProb	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s) None	Permit #
Borehole Backfill Cement Slurry	Location	

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland--RFF12130 SGWI (Hall Equities) RFF12130 SB_10.bgs [DP Boring 20.tp]

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0						Borings SB-11 and SB-12 not drilled		
5								
10								
15								
20								

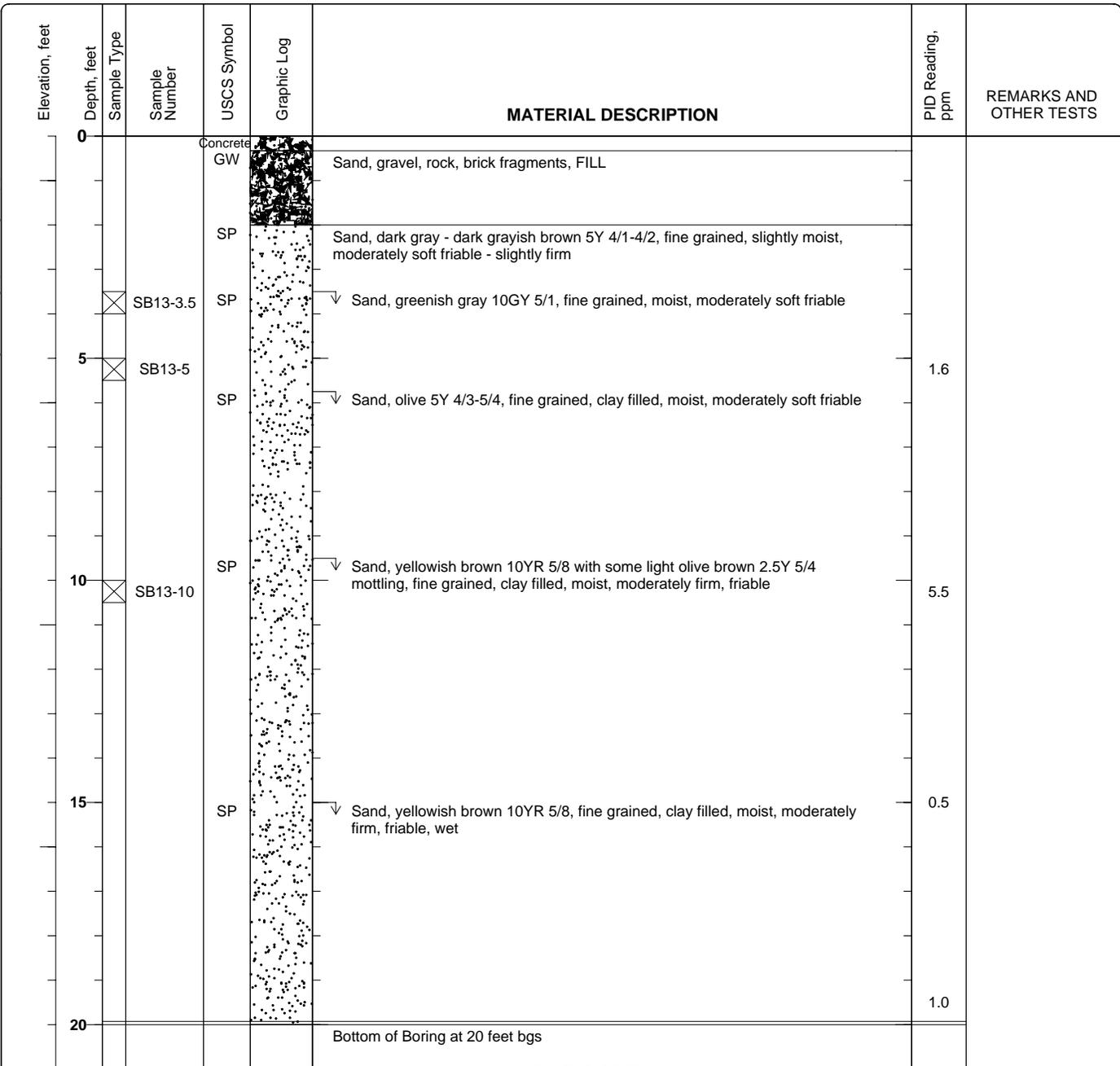


Figure

Project: Hall Equities Group
Project Location: 1310 14th Street (1310 16th Street),
Oakland, CA
Project Number: 115184

Log of Boring SB-13
 Sheet 1 of 1

Date(s) Drilled November 18, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Geoprobe	Drill Bit Size/Type 2 inch	Total Depth of Borehole 20 feet bgs
Drill Rig Type 6610 DT	Drilling Contractor Vironex, Inc	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s) Tube	Permit # W2005-1096
Borehole Backfill	Location	



X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFB Borings 13-16.bgs (DP Boring 20).tp1



Figure

Project: Hall Equities Group
 Project Location: 1310 14th Street (1310 16th Street),
 Oakland, CA
 Project Number: 115184

Log of Boring SB-14
 Sheet 1 of 1

Date(s) Drilled November 18, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Geoprobe	Drill Bit Size/Type 2 inch	Total Depth of Borehole 20 feet bgs
Drill Rig Type 6610 DT	Drilling Contractor Vironex, Inc	Approximate Surface Elevation
Groundwater Level and Date Measured Not Measured	Sampling Method(s) None	Permit # W2005-1096
Borehole Backfill Cement Slurry	Location Twin to EB-15	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				Concrete				
				GW		Sand, gravel, FILL		
				SP		Sand, darkgreenish gray 10Y 4/1, fine grained, slightly moist, moderately soft friable	250	
							375	
5						No recovery		
				SP		Sand, dark grayish green 5G 4/2, fine grained, clay filled, moist, moderately soft friable, hydrocarbon & decomposition odor	145	
				SP		Sand, yellowish brown 10YR 5/6, fine grained, clay filled, moist, moderately firm, friable		
						no recovery, no water in boring		
15				SP		Sand, yellowish brown 10YR 5/6, fine grained, clay filled, moist, moderately firm, friable	25	
20						Bottom of Boring at 20 feet bgs		

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFB Borings 13-16.bgs [DP Boring 20].tpf

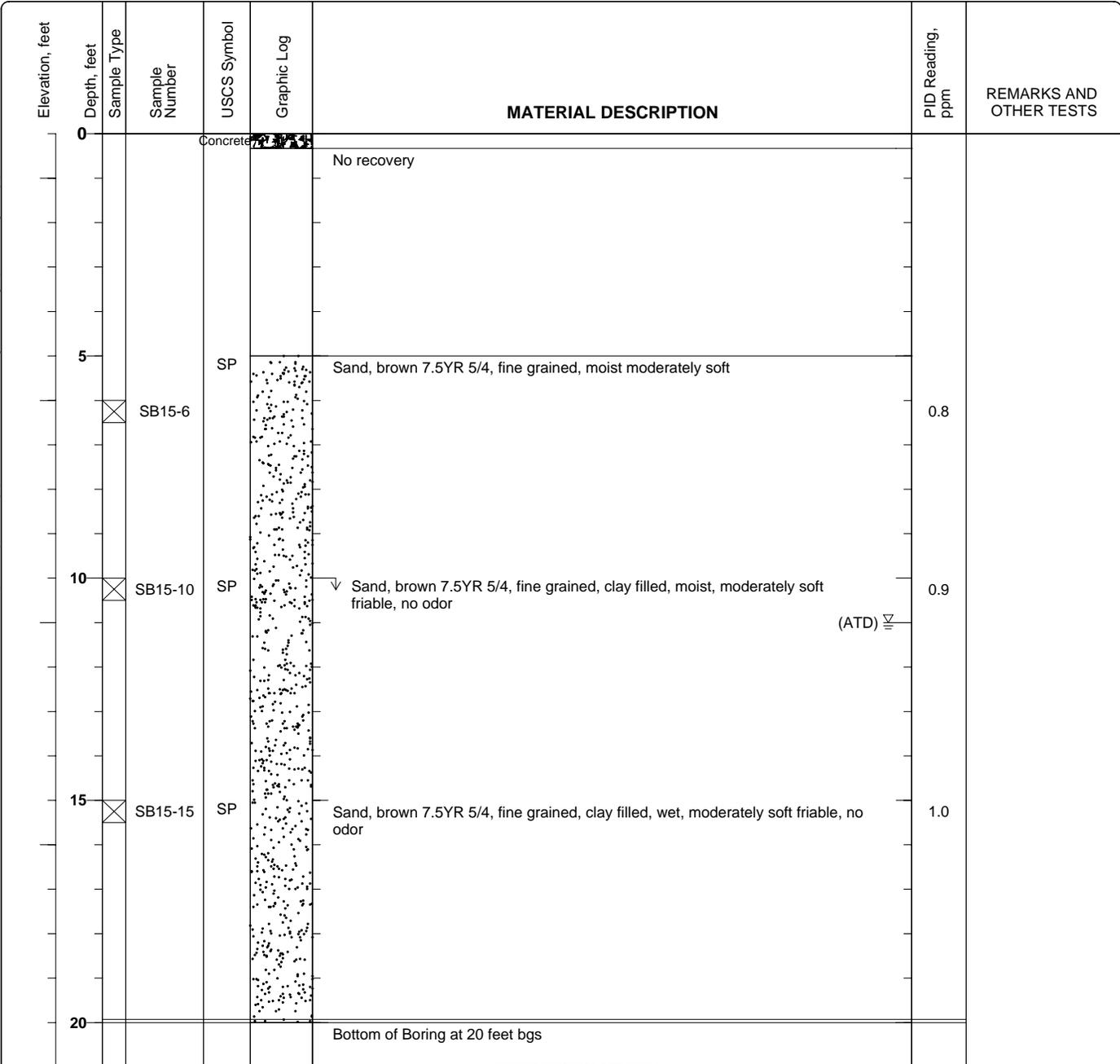


Figure

Project: Hall Equities Group
 Project Location: 1310 14th Street (1310 16th Street),
 Oakland, CA
 Project Number: 115184

Log of Boring SB-15
 Sheet 1 of 1

Date(s) Drilled November 18, 2005	Logged By Robert F. Flory	Checked By Adrian Angel
Drilling Method Geoprobe	Drill Bit Size/Type 2 inch	Total Depth of Borehole 20 feet bgs
Drill Rig Type 6610 DT	Drilling Contractor Vironex, Inc	Approximate Surface Elevation
Groundwater Level and Date Measured 11 feet ATD	Sampling Method(s) Tube	Permit # W2005-1096
Borehole Backfill Cement Slurry	Location Bottom of loading dock ramp - 2 feet below grade in borings SB-13 & SB-14	



X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFB Borings 13-16.bgs IDP Boring 20.tbl



Figure

Project: Hall Equities Group
 Project Location: 1310 14th Street (1310 16th Street),
 Oakland, CA
 Project Number: 115184

Log of Boring SB-16

Sheet 1 of 1

Date(s) Drilled November 18, 2005	Logged By Robert F. Flory	Checked By
Drilling Method Geoprobe	Drill Bit Size/Type 2 inch	Total Depth of Borehole 20 feet bgs
Drill Rig Type 6610 DT	Drilling Contractor Vironex, Inc	Approximate Surface Elevation
Groundwater Level and Date Measured 16 feet ATD	Sampling Method(s) None	Permit # W2005-1096
Borehole Backfill Cement Slurry	Location On loading dock, 44 inches above grade of SB-13 and SB-14	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
0				Concrete				
				GW		well graded crushed rock 3/4" - 2.5" diameter		
						No samples, push 2" probe with sacrificial tip to @ 24 feet, drop 25 feet 3/4" casing with 15 feet of screen, pull probe, collect water sample		
5								
10								
15								
							(ATD) $\frac{16}{20}$	
20						Bottom of Boring at 24 feet bgs		



Figure

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\CHARACTERIZATION\115184 PH II (Hall Equities Grp.) Oakland - RFB Borings 13-16.bgs [DP Boring 20].tpf

APPENDIX C

Laboratory Analyses With Chain of Custody Documentation

McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

WorkOrder: 0511375

ClientID: AEL

EDF: NO

Report to:

Robert Flory
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

TEL: (925) 283-6000
 FAX: (925) 283-6121
 ProjectNo: #115184; Hall Equities
 PO:

Bill to:

Joanne Bryant
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

Requested TAT: 5 days

Date Received: 11/18/2005

Date Printed: 11/18/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0511375-002	SB13-10	Soil	11/18/05 8:11:00	<input type="checkbox"/>	A		A	A									
0511375-003	SB15-10	Soil	11/18/05 10:30:00	<input type="checkbox"/>	A			A									
0511375-005	SB13-W-20	Water	11/18/05 8:30:00	<input type="checkbox"/>		A			B								
0511375-006	SB14-W-20	Water	11/18/05 9:45:00	<input type="checkbox"/>		A			B								
0511375-007	SB15-W-20	Water	11/18/05 11:15:00	<input type="checkbox"/>		A			B								
0511375-008	SB16-W-20	Water	11/18/05 11:18:00	<input type="checkbox"/>		A			B								

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(DMO)_S	5	TPH(DMO)_W
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511375

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19106			Spiked Sample ID 0511379-003A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) ^f	ND	0.60	105	112	6.70	103	109	6.04	70 - 130	70 - 130
MTBE	ND	0.10	91.1	91	0.106	83	89.2	7.21	70 - 130	70 - 130
Benzene	ND	0.10	99.6	102	2.29	101	102	1.12	70 - 130	70 - 130
Toluene	ND	0.10	87.3	91.6	4.78	87.8	90.9	3.55	70 - 130	70 - 130
Ethylbenzene	ND	0.10	110	114	4.18	107	112	4.66	70 - 130	70 - 130
Xylenes	ND	0.30	100	107	6.45	96	100	4.08	70 - 130	70 - 130
%SS:	96	0.10	118	99	17.9	103	109	5.66	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19106 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511375-002A	11/18/05 8:11 AM	11/18/05	11/22/05 5:41 AM	0511375-003A	1/18/05 10:30 AM	11/18/05	11/19/05 9:37 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511375

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19091			Spiked Sample ID 0511358-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) ^f	ND	60	116	108	6.59	108	108	0	70 - 130	70 - 130
MTBE	ND	10	86.8	85.8	1.19	86.1	87.2	1.28	70 - 130	70 - 130
Benzene	ND	10	103	101	1.31	96.3	97.3	0.967	70 - 130	70 - 130
Toluene	ND	10	109	113	3.67	99.4	104	4.67	70 - 130	70 - 130
Ethylbenzene	ND	10	114	114	0	104	106	2.05	70 - 130	70 - 130
Xylenes	ND	30	107	107	0	91.3	95.7	4.63	70 - 130	70 - 130
%SS:	99	10	103	104	0.284	101	98	2.19	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19091 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511375-005A	11/18/05 8:30 AM	11/22/05	11/22/05 7:42 AM	0511375-006A	11/18/05 9:45 AM	11/22/05	11/22/05 8:12 AM
0511375-007A	1/18/05 11:15 AM	11/22/05	11/22/05 8:41 AM	0511375-008A	1/18/05 11:18 AM	11/22/05	11/22/05 9:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511375

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19078			Spiked Sample ID 0511379-003A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	107	109	1.97	106	107	0.537	70 - 130	70 - 130
%SS:	106	50	100	101	1.11	101	100	1.06	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19078 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511375-002A	11/18/05 8:11 AM	11/18/05	11/19/05 9:23 AM	0511375-003A	1/18/05 10:30 AM	11/18/05	1/19/05 10:32 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511375

EPA Method: SW8015C		Extraction: SW3510C			BatchID: 19100			Spiked Sample ID N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	105	106	1.10	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	100	104	3.25	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19100 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511375-005B	11/18/05 8:30 AM	11/18/05	11/22/05 7:52 PM	0511375-006B	11/18/05 9:45 AM	11/18/05	1/19/05 12:49 PM
0511375-007B	1/18/05 11:15 AM	11/18/05	11/19/05 1:57 PM	0511375-008B	1/18/05 11:18 AM	11/18/05	11/22/05 2:10 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

ael 0509286

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560

Telephone: (925) 798-1620

Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF **Excel** Write On (DW)

Report To: Robert Flory Bill To: Same
Company: AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 E-Mail: Rflory@aeiconsultants.com
Tel: (925) 944-2899, extension 1## Fax: (925) 944-2895
Project #: 12130 Project Name: Hall Equities
Project Location: 1310 14th Street, Oakland, CA
Sampler Signature: *[Signature]*

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED									
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other						
5B2-5		9/12/05	0855	1	2x5	X														
5B2-10			0905	1		X								X	X					
5B2-12			0910	1		X														
5B2-15			0915	1		X														
5B3-5			1020	1		X														
5B3-10			1025	1		X								X	X					
5B3-15			1040	1		X								X						
5B5-5			1145	1		X								X	X					
5B5-10			1150	1		X								X	X					
5B6-5			1245	1		X								X						
5B6-10			1250	1		X								X	X					

Analysis Request													Other	Comments			
BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015) <i>TPHs / Mo Fuel</i>	Total Petroleum Oil & Grease (5520 E&F/B&E)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260 (8010 list)	BTEX ONLY (EPA 602 / 8020)	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	VOCs EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Halogenated VOCs (8260B - 8010 Target List)		Filter Samples for Metals Analysis: Yes / No

Relinquished By: *[Signature]* Date: 9/13/05 Time: 11:15AM Received By: *[Signature]*
Relinquished By: *[Signature]* Date: 9/14/05 Time: 11:15AM Received By: *[Signature]*
Relinquished By: _____ Date: _____ Time: _____ Received By: _____

ICE/t° **GOOD CONDITION**
HEAD SPACE ABSENT **DECHLORINATED IN LAB**
PRESERVATION APPROPRIATE CONTAINERS **PERSERVED IN LAB**
VOAS O&G METALS OTHER

McC Campbell Analytical, Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0509286

ClientID: AEL

EDF: NO

Report to:

Robert Flory
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

TEL: (925) 283-6000
 FAX: (925) 283-6121
 ProjectNo: #12130; Hall Equities
 PO:

Bill to:

Diane
 All Environmental, Inc.
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

Requested TAT: 5 days

Date Received: 09/13/2005

Date Printed: 09/13/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0509286-002	SB2-10	Soil	9/12/05 9:05:00 AM	<input type="checkbox"/>	A	A	A													
0509286-006	SB3-10	Soil	9/12/05 10:25:00	<input type="checkbox"/>	A		A													
0509286-009	SB5-10	Soil	9/12/05 11:50:00	<input type="checkbox"/>	A		A													
0509286-011	SB6-10	Soil	9/12/05 12:50:00	<input type="checkbox"/>	A		A													

Test Legend:

1	G-MBTX_S	2	PREFD REPORT	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0509286

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 17976			Spiked Sample ID: 0509285-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	0.60	109	106	2.92	109	108	0.686	70 - 130	70 - 130
MTBE	ND	0.10	94.3	91.1	3.53	96.3	89.5	7.35	70 - 130	70 - 130
Benzene	ND	0.10	91.1	89.3	1.97	94.2	89.3	5.35	70 - 130	70 - 130
Toluene	ND	0.10	90.3	88.5	1.94	93.6	88.6	5.43	70 - 130	70 - 130
Ethylbenzene	ND	0.10	93.9	92.3	1.72	95.2	92	3.50	70 - 130	70 - 130
Xylenes	ND	0.30	95	94.3	0.704	95	94	1.06	70 - 130	70 - 130
%SS:	103	0.10	102	100	2.18	102	101	0.985	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 17976 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0509286-002A	9/12/05 9:05 AM	9/13/05	9/14/05 9:02 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0509286

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 17991			Spiked Sample ID: 0509286-011a		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	94.9	93.4	1.59	104	104	0	70 - 130	70 - 130
%SS:	104	50	106	103	3.04	101	102	1.12	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 17991 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0509286-002A	9/12/05 9:05 AM	9/13/05	9/14/05 5:15 AM	0509286-006A	9/12/05 10:25 AM	9/13/05	9/14/05 6:23 AM
0509286-009A	9/12/05 11:50 AM	9/13/05	9/14/05 7:31 AM	0509286-011A	9/12/05 12:50 PM	9/13/05	9/14/05 8:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0509286

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 17992			Spiked Sample ID: 0509286-011A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	0.60	104	108	3.78	107	105	2.55	70 - 130	70 - 130
MTBE	ND	0.10	95	96	1.06	91.6	90.2	1.52	70 - 130	70 - 130
Benzene	ND	0.10	94	97.2	3.33	90.1	90.9	0.932	70 - 130	70 - 130
Toluene	ND	0.10	92.6	95.9	3.51	88.9	90.2	1.45	70 - 130	70 - 130
Ethylbenzene	ND	0.10	97.3	98.2	0.853	93.2	93.3	0.0857	70 - 130	70 - 130
Xylenes	ND	0.30	93	99.3	6.59	95	94.7	0.351	70 - 130	70 - 130
%SS:	96	0.10	105	104	0.957	101	103	1.96	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 17992 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0509286-006A	9/12/05 10:25 AM	9/13/05	9/14/05 9:32 PM	0509286-009A	9/12/05 11:50 AM	9/13/05	9/14/05 10:01 PM
0509286-011A	9/12/05 12:50 PM	9/13/05	9/14/05 10:31 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

WorkOrder: 0509268

ClientID: AEL

EDF: NO

Report to:

Robert Flory
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

TEL: (925) 283-6000
 FAX: (925) 283-6121
 ProjectNo: #12130; Hall Equities
 PO:

Bill to:

Diane
 All Environmental, Inc.
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

Requested TAT:

5 days

Date Received: **09/13/2005**

Date Printed: **09/13/2005**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0509268-001	SB-2-W19	Water	9/12/05 9:50:00 AM	<input type="checkbox"/>	A	A	B													
0509268-002	SB-3-W19	Water	9/12/05 10:55:00	<input type="checkbox"/>	A		B													
0509268-003	SB-5-W19	Water	9/12/05 12:00:00	<input type="checkbox"/>	A		B													
0509268-004	SB-6-W19	Water	9/12/05 1:00:00 PM	<input type="checkbox"/>	A		B													

Test Legend:

1	G-MBTX_W	2	PREFD REPORT	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Elisa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0509268

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 17962			Spiked Sample ID: 0509259-011A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	60	102	111	8.91	108	109	0.502	70 - 130	70 - 130
MTBE	ND	10	93.5	103	10.1	97.6	95.8	1.88	70 - 130	70 - 130
Benzene	ND	10	90.7	101	10.5	93.8	93.5	0.345	70 - 130	70 - 130
Toluene	ND	10	89.9	100	10.8	94.7	95.3	0.657	70 - 130	70 - 130
Ethylbenzene	ND	10	92	103	11.0	95.5	95.5	0	70 - 130	70 - 130
Xylenes	ND	30	87.7	103	16.4	95.7	99	3.42	70 - 130	70 - 130
%SS:	113	10	97	98	0.236	97	97	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 17962 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0509268-001A	9/12/05 9:50 AM	9/16/05	9/16/05 3:32 AM	0509268-002A	9/12/05 10:55 AM	9/15/05	9/15/05 6:58 AM
0509268-003A	9/12/05 12:00 PM	9/15/05	9/15/05 7:27 AM	0509268-004A	9/12/05 1:00 PM	9/15/05	9/15/05 7:57 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0509268

EPA Method: SW8015C		Extraction: SW3510C			BatchID: 17977			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	98.4	99	0.575	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	102	103	0.943	N/A	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 17977 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0509268-001B	9/12/05 9:50 AM	9/13/05	9/13/05 11:45 PM	0509268-002B	9/12/05 10:55 AM	9/13/05	9/14/05 12:53 AM
0509268-003B	9/12/05 12:00 PM	9/13/05	9/14/05 2:02 AM	0509268-004B	9/12/05 1:00 PM	9/13/05	9/14/05 3:10 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

aei 0509648

RUSH!

McCAMPBELL ANALYTICAL INC.
 110 2nd AVENUE SOUTH, #D7
 PACHECO, CA 94553-5560
 Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD
TURN AROUND TIME
 RUSH 24 HR 48 HR 72 HR 5 DAY
 GeoTracker EDF PDF Excel Write On (DW)

Report To: Robert Flory Bill To: Same
 Company: AEI Consultants
 2500 Camino Diablo, Suite 200
 Walnut Creek, CA 94597 E-Mail: Rflory@aeiconsultants.com
 Tel: (925) 944-2899, extension 1## Fax: (925) 944-2895
 Project #: 12130 Project Name: Hall Equities
 Project Location: 1310 14th Street, Oakland, CA
 Sampler Signature: *[Signature]*

Analysis Request										Other	Comments	
BTEX & TPH as Gas (602/8020 + 8015)/MTBE												Filter Samples for Metals Analysis: Yes / No
TPH as Diesel (8015) Multi Range												
Total Petroleum Oil & Grease (5520-E&F/B&F)												
Total Petroleum Hydrocarbons (418.1)												
HVOCs EPA 8260 (8010 list)												
BTEX ONLY (EPA 602 / 8020)												
Pesticides EPA 608 / 8080												
PCBs EPA 608 / 8080												
VOCs EPA 624 / 8260												
EPA 625 / 8270												
PAH's / PNA's by EPA 625 / 8270 / 8310												
CAM-17 Metals												
LUFT 5 Metals												
Lead (7240/7421/239.2/6010)												
RCI												
Halogenated VOCs (8260B - 8010 Target List)												

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED							
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other				
5																		
5B7-7.5		9/29/05	0840															
5B7-10		9/29/05	0850															
5B8-7			0950															
5B8-10			0955															
5B9-3			1100															
5B9-7			1105															
5B9-10			1125															
5B10-4			1240															
5B10-10			1055															

Relinquished By: *[Signature]* Date: 9/29/05 Time: 1600 Received By: *[Signature]*
 Relinquished By: *[Signature]* Date: 9/29/05 Time: 419 Received By: *[Signature]*
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____

ICE/° _____ PRESERVATION APPROPRIATE _____
 HEAD SPACE ABSENT _____ CONTAINERS _____
 DECHLORINATED IN LAB _____ PERSERVED IN LAB _____
 VOAS O&G METALS OTHER

McC Campbell Analytical, Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0509648

ClientID: AEL

EDF: YES

Report to:

Robert Flory
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

TEL: (925) 283-6000
 FAX: (925) 283-6121
 ProjectNo: #12130; Hall Equities
 PO:

Bill to

Diane
 All Environmental, Inc.
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

Requested TAT: 1 day

Date Received: 09/29/2005

Date Printed: 09/30/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0509648-002	SB 7-10	Soil	09/29/05 8:50:00	<input type="checkbox"/>	A	A	A												
0509648-004	SB 8-10	Soil	09/29/05 9:55:00	<input type="checkbox"/>	A		A												
0509648-007	SB 9-10	Soil	09/29/05 11:25:00	<input type="checkbox"/>	A		A												
0509648-009	SB 10-10	Soil	09/29/05 12:55:00	<input type="checkbox"/>	A		A												

Test Legend:

1	G-MBTX_S	2	PREDF REPORT	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Rosa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McC Campbell Analytical, Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0509647

ClientID: AEL

EDF: NO

Report to:		Bill to	Requested TAT: 1 day
Robert Flory	TEL: (925) 283-6000	Diane	
AEI Consultants	FAX: (925) 283-6121	All Environmental, Inc.	Date Received: 09/29/2005
2500 Camino Diablo, Ste. #200	ProjectNo: #12130; Hall Equities	2500 Camino Diablo, Ste. #200	Date Printed: 09/29/2005
Walnut Creek, CA 94597	PO:	Walnut Creek, CA 94597	

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0509647-001	SB-7 Water	Water	09/29/2005	<input type="checkbox"/>	A	B														
0509647-002	SB-8 W	Water	09/29/2005	<input type="checkbox"/>	A	B														
0509647-003	SB-9 W	Water	09/29/2005	<input type="checkbox"/>	A	B														
0509647-004	SB-10 W	Water	09/29/2005	<input type="checkbox"/>	A	B														

Test Legend:

1	G-MBTX_W	2	TPH(DMO)_W	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Rosa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

