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**Report of Remedial Activities
Associated with the Lifts and Drains Area and
Construction Excavation Activities
Former Cox Cadillac Site
230 Bay Place
Oakland, California**

**January 26, 2007
001-09171-15**

Prepared for
Bond CC Oakland, LLC
1317 5th Street, 3rd Floor
Santa Monica, California 90401



January 26, 2007

001-09171-15

Mr. Don Hwang
Hazardous Materials Specialist
Local Oversight Program
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Report of Remedial Activities Associated with the Lifts and Drains Area and
Construction Activities, Former Cox Cadillac Site, 230 Bay Place, Oakland, California

Dear Mr. Hwang:

LFR Inc. (LFR) has prepared this report on behalf of Bond Companies to document remedial activities that have taken place in the vicinity of the former lifts and drains area and other areas with affected soil discovered as a result of pre-construction activities, at the Cox Cadillac site, located at 230 Bay Place in Oakland, California (“the Site”). The work in the vicinity of the former indoor service area was conducted in accordance with the Addendum to the Revised Corrective Action Plan, dated June 17, 2004. The work associated with addressing affected soil encountered during construction excavation activities in other areas of the Site was performed from January 2006 through July 2006; if additional affected soils are encountered during the remaining construction excavation activities, those will be addressed in a similar fashion. The report presents the results of the following work:

- abandonment of four groundwater monitoring wells (MW-1, TW-4, TW-5, and TW-7)
- removal of floor drains and miscellaneous pipes
- removal of hydraulic lifts
- excavation and disposal of contaminated soil in the vicinity of the former lifts and drains
- excavation and disposal of contaminated soil encountered during construction excavation activities in other areas of the Site
- analytical results of the confirmation samples collected at the Site

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If you have any questions concerning this report or the project in general, please call either Chuck Pardini at (650) 469-7224 or Ron Goloubow at (510) 596-9550.

Sincerely,

A handwritten signature in cursive script that reads "Charles Pardini".

Charles H. Pardini, P.G.
Principal Geologist
Operations Manager – Los Altos

A handwritten signature in cursive script that reads "Ron Goloubow".

Ron Goloubow
Senior Geologist

Enclosure

cc: Mr. Robert Bond, Bond CC Oakland, LLC
Zachary Walton, Esq., Paul, Hastings, Janofsky & Walker LLP
Ms. Isabelle Mathieu, Bond Companies

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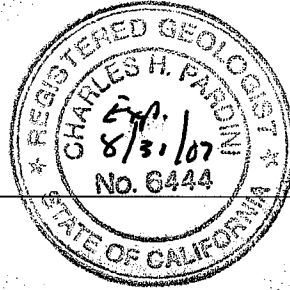
- A Well Abandonment Permits
- B Evergreen Oil Work Order – Service Agreements
- C Laboratory Reports
- D Landfill Summaries
- E Compaction Testing

CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by an LFR Inc. Professional Geologist.



Charles H. Pardini
Principal Geologist
California Professional Geologist (6444)



January 26, 2007

Date

1.0 INTRODUCTION

LFR Inc. (LFR) has prepared this report on behalf of Bond Companies LLC to document remedial activities that have taken place in the vicinity of the lifts and drains in the former indoor service area and during excavations associated with construction activities in other areas of the Cox Cadillac site, located at 230 Bay Place in Oakland, California (“the Site”; Figures 1 and 2). Tasks associated with the lifts and drains were proposed in LFR’s “Addendum to the Revised Corrective Action Plan” (ARCAP), dated June 17, 2004. The ARCAP was prepared to address potential features of environmental concern at the Site, including hydraulic lifts, drains, miscellaneous pipes, and to abandon and seal selected monitoring wells, prior to redevelopment of the Site. During construction excavation activities at the Site, other areas containing contaminated soil were encountered and addressed. The ARCAP and remedial work associated with the affected soil encountered during these activities do not address remedial activities associated with petroleum hydrocarbon-affected soil and groundwater from historical releases from two former underground storage tanks (USTs) at the Site.

The report documents completion of the following tasks:

- underground utility survey
- well abandonment
- removal of floor drains, miscellaneous pipes, and other features
- decommissioning and removal of hydraulic lifts
- excavation and disposal of contaminated soil in the vicinity of the former lifts and drains
- excavation and disposal of contaminated soil encountered during construction excavation activities
- confirmation soil sampling and stockpile profiling

The primary objective of completing the tasks proposed in the ARCAP was to remove features of potential environmental concern that were associated with the previous site usage and to prepare the Site for redevelopment. It was not known when the ARCAP was prepared whether soil or groundwater in the vicinity had been affected by these features of potential environmental concern.

During the implementation of the ARCAP, it was discovered that affected soil and groundwater were present in the vicinity of some of these features. Affected soil and groundwater were removed in accordance with Remediation Goals ultimately selected by the Alameda County Health Care Services Agency (ACHCSA) for the Site.

This report describes the methods and procedures used to complete the tasks associated with the ARCAP conducted at the Site, and presents the analytical results of soil confirmation samples collected during the completion of these tasks. In addition, this report describes the methods and procedures to address affected soil encountered during construction excavation activities in other areas of the Site.

2.0 BACKGROUND

The Site formerly occupied by Cox Cadillac was used for automobile sales and service. The facility comprises 45,300 square feet; approximately 11,000 square feet of this area was formerly used as a sales showroom and offices, while the remainder was formerly used for automobile storage, bodywork, painting, and indoor service.

The Site is located in a mixed residential and commercial area approximately 1,000 feet north of Lake Merritt in Oakland. The Site consists of approximately 2.2 acres and was occupied by an abandoned automobile showroom building shell. The remainder of the Site was covered with concrete or asphalt (Figure 2). A portion of the building was constructed as early as the 1890s. The primary structure was demolished in February and March 2004. The portion of the structure that was constructed in 1915 is considered by the City of Oakland to have architectural/historical significance and was retained.

The site vicinity consists primarily of residential, commercial, and light-industrial facilities, which are mainly automobile dealerships and service stations. Single-family and multi-unit residential buildings occupy the properties to the northeast and southeast of the Site. The property to the northwest of the Site is occupied by a church and associated school. An auto dealership, auto repair shops, and a service station occupy the properties to the south and west of the Site across Bay Place.

Surface elevation at the Site is approximately 12 feet above mean sea level. Topography in the site vicinity slopes gently to the southwest toward Vernon Street (U.S. Geological Survey 1993). Groundwater is first encountered at the Site at approximately 8 to 12 feet below ground surface (bgs), and the groundwater rises to a static level of approximately 3 to 5 feet bgs. The shallow groundwater flow direction beneath the Site is to the southwest, with an average hydraulic gradient of approximately 0.05 foot per foot (Figure 3 of ETIC 2004).

LFR's reports entitled, "Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)," dated June 4, 2004 (RCAP; LFR 2004a), and "Revised Report of the Results of the March and April 2004 and Soil and Groundwater Investigation at the Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)," dated December 2, 2004 (LFR 2004b), provide more detailed background information regarding the conditions at the Site.

3.0 REMEDIATION GOALS

ACHCSA selected Remediation Goals for the Site in connection with its evaluation and approval of the RCAP (LFR 2004a) for remedial activities associated with soil and groundwater affected by petroleum hydrocarbons from historical releases from two former USTs at the Site. The Remediation Goals established for the Site in the RCAP were used during the implementation of the ARCAP. Application of these Remediation Goals is appropriate for a site being redeveloped for commercial use where overlying groundwater is a potential drinking water source. The Remediation Goals for the Site are listed below.

Table 1: Revised Soil and Groundwater Cleanup Levels and Cleanup Goals

Chemicals of Potential Concern (COPCs)	Soil Cleanup Level and Cleanup Goal (mg/kg)	Groundwater Cleanup Level and Cleanup Goal ($\mu\text{g/l}$)
TPHg	100	100
TPHd	100	100
benzene	0.044	1.0
toluene	2.9	40
ethylbenzene	3.3	30
xylene	1.5	13
MTBE	0.023	5.0
EDB	0.00033	0.05
EDC; 1,2-DCE	0.0045	0.5
TAME	0.023 *	5.0 *
ETBE	0.023 *	5.0 *
DIPE	0.023 *	5.0 *
TBA	0.073	12.0

Notes:

* = cleanup goal based on MTBE cleanup goal

$\mu\text{g/l}$ = micrograms per liter

1,2-DCE = 1,2-dichloroethene

DIPE = di-isopropyl ether

EDB = ethylene dibromide

EDC = ethylene dichloride

ETBE = ethyl tertiary butyl ether

mg/kg = milligrams per kilogram

MTBE = methyl tertiary-butyl ether
TAME = tertiary amyl methyl ether
TBA = tertiary butyl alcohol
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline

4.0 FIELD ACTIVITIES

The following subsections describe the field activities that have taken place at the Site in the former service area. The features that were removed from the Site during this phase of the project included the following:

- four groundwater monitoring wells
- 11 hydraulic lifts
- nine floor drains and associated underground pipes

In addition to the hydraulic lifts, floor drains, and associated underground pipes that were removed from the Site, large concrete structures encountered below grade were also removed during this project. The presence of these underground concrete features was not known until the removal of the hydraulic lifts and floor drains had started.

The hydraulic lifts, floor drains, associated underground pipes, and large underground concrete structures were located in close proximity to each other. Therefore, during the removal of these features, the area became one excavation. The excavation limits and approximate location of the confirmation soil samples are shown on Figure 2.

4.1 Underground Utility Survey

LFR contracted with the private utility locating company Subdynamic Locating Services (“Subdynamic”) of San Jose, California, to identify the locations of underground pipes, conduits, and other structures that are associated with the nine floor drains that were located at the Site. On March 17, 2005, Subdynamic used geophysical and other appropriate techniques to mark the locations of the underground conduits on the ground surface. The approximate locations of the series of floor drains and associated clay piping that were removed as part of this project are shown on Figure 2.

4.2 Well Abandonment

In LFR’s June 17, 2004 ARCAP, abandonment of six groundwater monitoring wells (MW-1, TW-2, TW-4, TW-5, TW-6, and TW-7) was proposed to prepare the Site for redevelopment. Gregg Drilling and Testing (“Gregg”) of Martinez, California (a California licensed driller) was contracted to conduct the well abandonment under the direction of an LFR California Professional Geologist. LFR prepared and submitted

permit applications for well abandonment to the Alameda County Public Works Agency (ACPWA). The completed ACPWA well permit applications are included as Appendix A of this report.

On April 23, 2005, wells MW-1, TW-4, TW-5, and TW-7 were abandoned and sealed by Gregg, using the “pressure grouting” method. Wells TW-2 and TW-6 were not abandoned because they are located outside the proposed excavation limits.

The pressure grouting was performed by filling the well with neat cement and forcing the grout out through the perforated section of casing into the sand pack, thereby filling the annular space around the well casing. The cement was pumped into the well through a tremie pipe placed at the bottom of each well. Each well box was removed to complete abandonment, and the ground surface was finished to match the existing surface.

4.3 Hydraulic Lift Removal

Eleven hydraulic lifts were removed from the Site, including eight double piston lifts and three single piston lifts (Figure 2). LFR contracted with MARCOR Environmental (“MARCOR”), a remediation contractor, to provide the labor and equipment used to remove the hydraulic lifts and associated materials. The work associated with the removal of the 11 hydraulic lifts took place during the period from June 30 through November 2005. The following materials associated with the hydraulic lifts at the Site were removed and hauled off site for recycling or disposal:

- the concrete slab present at the ground surface in the vicinity of each hydraulic lift
- the hydraulic oil and water in the vaults associated with the hydraulic lifts
- the concrete and metal parts of the hydraulic lifts
- TPH- and lead-affected soil and/or concrete that was identified in the vicinity of each hydraulic lift
- TPH- and lead-affected soil in the vicinity of lifts #9, #10, and #11. The excavation of this soil to a depth of approximately 9.5 feet bgs took place in mid-October 2005, to coincide with other work taking place in this portion of the Site related to the structural stability of the northwestern part of the building wall

The concrete slab and surface soil in the vicinity of each lift, scrap metal, and deeper soil adjacent to each lift were removed and segregated into separate stockpiles for subsequent disposal and/or recycling. The segregated and stockpiled materials were covered with plastic sheeting to prevent dust from migrating off site. The concrete and surrounding soils were sprayed with water to suppress dust emissions from the Site during the removal of the lifts. The concrete from the hydraulic lift vaults and concrete pad that was encountered was broken down into smaller pieces (approximately 1 cubic foot in size) and hauled off site to Aman Environmental Contractors of Oakland, California, for recycling. Scrap metal, including the lift pistons and associated piping,

was removed from the Site and taken to Alco Steel of San Leandro, California, for recycling. Metal rebar present in the vault concrete was cut off the concrete and recycled at Alco Steel.

4.3.1 Oil Removal

Following the removal of the concrete slab that was present at the ground surface at each hydraulic lift, Evergreen Environmental of Newark, California (“Evergreen”) removed oily water from the concrete vaults and hydraulic oil tanks that were associated with the double and single piston lifts. On July 8 and July 22, 2005, Evergreen removed and transported a total of approximately 4,505 gallons of oily water off site for recycling as a “Non-RCRA Hazardous Waste” to its facility located in Newark, California. Evergreen’s Work Order/Service Agreements documenting the amount of material taken to its facility are provided in Appendix B.

4.3.2 Overexcavation

Following the removal of the oily water, the concrete vaults (located below grade) that housed the lifts were removed using an excavator. Eight concrete vaults from the double piston lifts (lifts #2 through #9 on Figure 2) were removed. Each vault was approximately 10 feet long and 8 feet deep, and had a wall thickness of approximately 1 foot. The concrete vaults associated with the three single piston lifts were also removed.

Following lift vault removal, the native soil surrounding the lifts was overexcavated, visually inspected for the presence of oil, and stockpiled on site pending off-site disposal. Soil samples collected in plastic bags from each face of each vault pit were screened for volatile organic compounds (VOCs) using a photoionization detector (PID). The results of the PID measurements and visual observation were documented in the field and are included on the daily field reports on file at LFR’s office in Emeryville, California. Due to the locations of the lifts and the amount of concrete associated with each lift, the areas between the lifts (and the floor drains and associated underground pipes) were excavated as well, forming one large excavation (Figure 2).

4.3.3 Confirmation and Stockpiled Soil Sample Collection and Analyses

As the excavation of soil adjacent to the lifts and drains progressed, confirmation samples were collected from the base and the sidewalls of each lift vault area after the removal of affected soil. At least one sidewall sample was collected approximately halfway between the base of the excavation (from beneath the former vault depth of approximately 8 to 9 feet bgs) and the ground surface at each lift location. One soil sample from beneath each lift vault was also collected at depths ranging from approximately 8 to 10.5 feet bgs.

The confirmation samples were collected from the sidewalls and bottom of the excavation using the excavator bucket, or by using a hand auger and slide hammer, depending on the location and the depth of the excavation at that sampling location. The confirmation soil samples were collected in brass tubes, capped, labeled, and placed in an ice-chilled cooler following strict chain-of-custody protocol. These samples were analyzed on an accelerated turnaround schedule to expedite backfilling of the excavation.

Composite soil samples were also collected from the stockpiled soil. The purpose of collecting samples from the stockpile was to provide soil quality data to the landfills to determine if the soil could meet their criteria for disposal. The required analyses and number of samples for the stockpiled soil were provided by the landfills.

Confirmation and stockpile profiling samples were submitted for analysis to Curtis & Tompkins Laboratories (C&T), a state-certified laboratory located in Berkeley, California, and Severn Trent STL (STL), a state-certified laboratory located in Pleasanton, California.

The following analyses were conducted on confirmation soil samples collected in the vicinity of the hydraulic lifts and selected stockpile composite samples:

- TPHg, TPHd, and TPH as motor oil (TPHmo) using the EPA test method 8015, modified
- polychlorinated biphenyls (PCBs) using the EPA test method 8081
- polynuclear aromatic hydrocarbons (PAHs) using the EPA test method 8270
- metals (total), including lead, copper, chromium, nickel, and zinc, using the EPA test method 6000-7000 series

The following additional analyses were performed on stockpile samples for waste profiling as required by the landfills:

- soluble threshold limit concentration (STLC) for lead
- toxicity characteristic leaching procedure (TCLP) for lead

The results of confirmation sampling from lift and drain removal are presented in Tables 2 and 3 and are discussed in Section 5.0. Laboratory reports are presented in Appendix C.

4.4 Removal of Floor Drains, Miscellaneous Pipes, and Other Site Features

4.4.1 Removal of Features

Nine floor drains and associated underground pipes were also removed from the Site (Figure 2). This task included the removal and off-site recycling or disposal of the following items:

- the concrete slab that was present in the vicinity of each drain
- the drain structure materials
- affected soil and/or concrete that was identified in, and in the vicinity of, each drain

Additional site features discovered during excavation activities and subsequently removed included:

- a frame-straightening structure
- two additional drain boxes located adjacent to the frame straightener
- approximately 75 feet of transite piping associated with the frame straightener extending in the north and south directions (removed using wet methods)
- several other concrete structures that measured 3 feet in length by 3 feet in width and 3 feet in depth
- approximately 200 linear feet of miscellaneous iron and clay piping
- an artesian well measured to be approximately 115 feet deep (discussed in Section 4.7)

Under the direction of LFR, MARCOR provided the personnel and equipment required to remove the drains and associated materials. Using the markings of the March 2005 utility survey, each visible drain was exposed by first removing the concrete slab and soil that overlies the drains and segregating it into separate stockpiles. The drain structure materials (concrete and clay piping) were then removed and also stockpiled. Soil removed from areas adjacent to the drains was stockpiled on site for characterization and off-site disposal. Two additional drains were discovered and removed in the rear of the property in the vicinity of a frame straightener, which was also discovered and removed at the time of remediation.

Six of the nine visible drains were arranged in series, running north-south (Figure 2). Following the removal of these drains and associated piping, a trench approximately 6 feet wide, 5 feet deep, and 100 feet long was formed. During remediation excavation activities, the trench quickly filled with water.

4.4.2 Confirmation Sample Collection

As the excavation of soil adjacent to the drains progressed, 12 confirmation soil samples were collected from beneath the floor drains in series at 20-linear-foot intervals. Soil samples were analyzed in accordance with the methods presented below, and the results of confirmation soil sampling are presented in Section 5.0.

Excavation confirmation samples collected in the vicinity of the drains and soil samples collected from stockpiled soil from these areas of excavation were submitted to C&T and STL for the following analyses:

- TPHg, TPHd, and TPHmo using the EPA test method 8015, modified
- PCBs using the EPA test method 8081
- PAHs using the EPA test method 8270
- VOCs using the EPA test method 8260
- metals (total), including lead, copper, chromium, nickel, and zinc, using the EPA test method 6000-7000 series

4.5 Stockpile Sampling, Off-Site Disposal, and Backfilling of the Excavations

Following the removal of the hydraulic lifts, floor drains, and miscellaneous concrete features, LFR completed the following tasks:

- collected composite soil samples from the stockpiled soil
- observed the transport of soil off site for disposal
- observed the backfilling of the excavation(s)

4.5.1 Stockpile Sampling

As the excavation of different areas took place, soils stockpiles were segregated by source area and sampled in accordance with the Waste Management Inc. waste profiling protocol. Four-point composite samples were collected and analyzed for approximately every 250 to 500 cubic yards of soil. A total of 16 soil samples were collected from the stockpiled soil and submitted for the following analyses:

- TPHg, TPHd, and TPH mo using the EPA test method 8015, modified
- PCBs using the EPA test method 8081
- PAHs using the EPA test method 8270
- VOCs using the EPA test method 8260

- California Assessment Manual (CAM) metals (total) using the EPA test method 6000-7000 series

Based on the results of the samples collected from the stockpiled soil, the majority of the soil was classified as a non-hazardous material that could be used as a daily cover at Waste Management's Class 2 landfill located in Livermore, California.

The results of the stockpile sampling also indicated the presence of lead-affected soil at concentrations higher than acceptance criteria for Waste Management's Class 2 landfill located in Livermore, California (Table 4). Soil containing concentrations of soluble lead at concentrations greater than 5 milligrams per liter was identified and was further segregated for off-site disposal. The composite samples from SS-1 and SS-2 collected on August 23, 2005, and discrete soil sample A-2 collected from a soil stockpile failed the STLC test. Additionally, samples SS-1 and SS-2 failed the TCLP test. This soil was classified as a Non-RCRA California Hazardous Waste and required disposal at a Class 1 landfill.

4.5.2 Off-Site Disposal of Soil

Approximately 1,010 tons of soil adjacent to the lifts was removed and transported to Waste Management's Altamont Landfill located in Livermore, California, for disposal. Reportedly, the material was used for daily cover at the landfill. The summary report from Waste Management's Altamont Landfill is included in Appendix D. Soil associated with single lifts #10 and #11 was removed as part of the RCAP-specified UST-related excavation, since those lifts were present within the UST excavation limits.

A total of approximately 285 tons of lead-affected soil was transported as California Hazardous Waste to Clean Harbors Class 1 landfill located in Buttonwillow, California, on September 23 and 26, 2005. The Weightmaster Certificates from Clean Harbor's Class 1 landfill is included in Appendix D.

4.5.3 Backfilling of the Excavation

The areas of excavation were backfilled with soil material provided from the Leona Quarry located in Berkeley, California. Before the soil from the Leona Quarry was imported, soil samples were collected from the material for analysis of PCBs, TPHg, PAHs, and CAM 17 metals. Based on the results of these analyses, the material was approved for use as backfill material. The laboratory report for these samples is included in Appendix C.

As required by Treadwell and Rollo (T&R), the geotechnical engineer for this project, the imported soil was placed in 1- to 3-foot lifts and compacted to approximately 95 percent relative compaction. Representatives of T&R provided compaction testing to

ensure that 95 percent relative compaction was achieved. A summary of the compaction testing is included as Appendix E.

4.6 Excavation of Affected Soil Associated with Construction Activities in Other Areas of the Site

Based on geotechnical investigations and/or geotechnical field observations performed by others, it was determined that the upper 4 feet of soil at portions of the Site lacked the requisite geotechnical qualities for the proposed redevelopment activities. The upper 4 feet of soil was excavated and stockpiled at the Site and profiled for disposal. LFR collected soil samples from 22 test pits excavated at locations illustrated on Figure 3 in order to profile the stockpiled soil. Soil samples were collected from each test pit at depths ranging from approximately 1 to 4 feet bgs. Soil samples collected from adjacent test pits were composited into one sample and analyzed by the laboratory for TPHg, TPHd, TPHmo, CAM 17 metals, and soluble lead; the analytical results are summarized in Tables 5, 6, and 7, respectively.

4.6.1 Affected Soil Beneath the Former Indoor Service Area

The analytical results for the soil samples collected from test pits G4, H4, G4-1, G4-2, and G4-6, and composite samples E3 and G3 indicated that elevated concentrations of lead were present in soil beneath the former indoor service area (Tables 6 and 7). Based on the results of these data, approximately 685 tons of soil containing elevated concentrations of lead in this portion of the former indoor service area required off-site disposal as California Hazardous Waste. Approximately 230 tons of this soil was transported to Clean Harbor's Buttonwillow, California facility in February 2006, and approximately 455 tons of this soil was transported to Waste Management's Kettleman Hills, California facility in July 2006.

The remaining soil beneath the former indoor service area, which did not contain concentrations of total or soluble lead requiring special disposal, was taken to Republic Services West Contra Costa Landfill, a Class 2 landfill located in Richmond, California.

The Weightmaster Certificates from Clean Harbor's and Waste Management's Class 1 landfills and Allied Waste's Class 2 landfill are included in Appendix D.

4.6.2 Affected Soil Beneath the Former Showroom

Based on observations made by construction personnel during the excavation activities within the former showroom, composite soil samples were collected from a stockpile of soil (Sample ID "comp A-D") and three areas within the former showroom area (comp east, comp central, and comp west). Soil samples were collected from these areas for TPHg, TPHd, TPHmo, BTEX, and lead analyses (Tables 5, 6, and 7). The analytical results for these samples indicated that elevated concentrations of TPHmo and lead

were present in the stockpiled soil and required excavation and disposal at an off-site landfill. As a result, approximately 415 tons of soil was transported to Waste Management's Kettleman Hills, California facility and approximately 225 tons of lead-affected soil was transported to Allied Waste's Forward Landfill located in Manteca, California, in July 2006.

The remaining soil beneath the former showroom that did not contain concentrations of total or soluble lead requiring special disposal, was taken to Republic Services West Contra Costa Landfill, a Class 2 landfill located in Richmond, California.

The Weightmaster Certificates from Clean Harbor's and Waste Management's Class 1 landfills and Allied Waste's Class 2 landfill are included in Appendix D.

4.7 Artesian Well Abandonment

A 10-inch-diameter vertical steel pipe (presumed to be a well casing) present at a depth of approximately 5 feet bgs was identified as a source of water that was flowing into the trenches discussed in Section 4.4 above. To stop the flow of water, a 36-inch-diameter, 6-foot-long section of iron pipe was placed around the well casing at the surface to monitor the flow rate at which water was coming into the trench, and to keep the water isolated from the surrounding affected soils. Within a 24-hour period, the water level in the iron standpipe had risen to approximately 4 feet above ground surface, indicating an artesian condition, and was flowing at a rate of approximately 5 to 10 gallons per minute.

Before abandoning the well, LFR completed a well destruction permit and paid permit fees to the ACPWA. A copy of the well abandonment permit from the ACPWA is included in Appendix A. Under the supervision of LFR, Exploration Drilling Services of Redwood City, California, a licensed driller, abandoned the artesian well at the Site on August 10, 2005. The well was abandoned using a Failing C1500 mud rotary drill rig equipped with a shaker box mud recirculation system. The well was drilled out using 8-inch-diameter augers to its depth of 115 feet bgs. The rig drilled an additional 7 feet to 122 feet bgs into the artesian water-bearing zone to ensure a proper seal. The steel casing was left in place, and the well was filled with approximately 5 cubic yards of cement/sand slurry. The slurry was mixed to a proportion of 11 sacks of cement to 1 cubic yard of slurry. Mr. James Yoo of the ACPWA was on site to inspect the well abandonment procedures. A groundwater sample collected from this well did not contain any analytes above their respective detection limits.

5.0 ANALYTICAL RESULTS

5.1 Hydraulic Lift Confirmation Soil Samples

Analytical results for each confirmation sample collected from the base and/or sidewall of the excavation in the vicinity of the hydraulic lifts were below the approved Remediation Goals (Section 3.0) for each COPC, with the exception of one sample collected from beneath lift #1 at a depth of 5.5 feet bgs. TPHd was detected in that sample at 130 mg/kg, just above the goal of 100 mg/kg. According to the laboratory report for this sample, the TPHd that was present in this sample comprised heavier hydrocarbons and the chromatographic pattern did not resemble the standard for diesel. Therefore, the soil in this area was left in place because the TPHd that was identified in the soil sample was likely representative of oil which has an Environmental Screening Level clean-up goal (RWQCB 2005) of 1,000 mg/kg in soil, which is protective of groundwater as a drinking water source at a commercial site.

Elevated concentrations of metals chromium, copper, lead, nickel, or zinc were not detected in any of the samples collected and analyzed from the vicinity of the hydraulic lifts. Additionally, PCBs and PAHs were not detected above laboratory reporting limits in the samples collected near the former lifts. Laboratory analytical results are summarized in Table 2 and included in Appendix C. The locations of the confirmation samples collected in the vicinity of the hydraulic lifts that were removed are illustrated on Figure 2.

5.2 Floor Drain (Trench) Confirmation Soil Samples

Analytical results for confirmation samples collected from the base and/or sidewall of the excavation in the vicinity of the floor drains that were removed were all below the approved Remediation Goals (Section 3.0) for each COPC. The locations of the confirmation samples collected from beneath the former floor drains are illustrated on Figure 2. Laboratory analytical results are summarized in Table 2 and included in Appendix C.

6.0 CONCLUSIONS

To prepare the Site for redevelopment, the following site features were removed from the Site:

- four groundwater monitoring wells
- 11 hydraulic lifts
- nine floor drains and associated underground pipes

- affected soils in other areas of the Site associated with construction excavation activities

Large concrete structures that were found during the removal of the lifts and drains were also removed from the Site. All of these features were removed in accordance with the procedures presented in the ARCAP. An artesian water well that was encountered during the removal of the drains was abandoned in accordance with ACPWA requirements. A groundwater sample collected from this well did not contain any analytes above their respective detection limits.

A total of approximately 1,010 tons of soil excavated around the former lifts and drains were loaded and transported to Altamont Landfill as Class 2 non-hazardous soil. A total of approximately 285 tons of lead-affected soil was excavated from around the former lifts and drains and transported to Clean Harbor's Buttonwillow, California facility as California Hazardous Waste.

A total of approximately 685 tons of soil excavated underneath the indoor service area and 640 tons of soil excavated underneath the showroom in the course of construction activities required off-site disposal as California Hazardous Waste. In addition, approximately 225 tons of fuel- (oil-) affected soil from beneath the former showroom floor was transported to Allied Waste's Forward Landfill located in Manteca, California, in July 2006.

LFR concurrently performed remedial activities in the vicinity of the former waste oil and gasoline USTs that had been located at the Site. The results of the remedial activities conducted in that portion of the Site will be presented in a separate report.

7.0 REFERENCES

- ETIC. 2004. First Quarter 2004 Groundwater Monitoring Report, Former Cox Cadillac Fuel Leak Case No. RO0000148, 230 Bay Place, Oakland, California. March 17.
- LFR. 2004a. Revised Corrective Action Plan for the Former Cox Cadillac Property, 230 Bay Place, Oakland, California. June 4.
- . 2004b. Response to Alameda County Health Care Services Agency Comments to Revised Corrective Action Plan, dated June 25, 2004 for Cox Cadillac, 230 Bay Place, Oakland, California Fuel Leak Case No. RO0000148. September 15.
- . 2004c. Response to Alameda County Health Care Services Agency Comments to LFR Letter dated September 21, 2004, for Cox Cadillac, 230 Bay Place, Oakland, California Fuel Leak Case No. RO0000148. October 1.
- . 2004d. Revised Report of the Results of the March and April 2004 Soil and Groundwater Investigation at the Former Cox Cadillac Property 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148). December 2.
- Regional Water Quality Control Board (RWQCB). 2005. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater (Interim Final); Environmental Screening Levels (“ESLs”). Technical Document. February.
- United States Geological Survey (USGS). 7.5 Minute Series Topographic Map, Oakland West San Jose, California Quadrangle. 1993.

Table 2
Analytical Results for Confirmation Soil Samples Collected
from the Former Service Area Soil Excavation
230 Bay Place, Oakland, California

Sample ID	Sample Date	VOCs	TPHg mg/kg	TPHd mg/kg	TPHmo mg/kg	PAHs ug/kg	PCBs ug/kg	Chromium mg/kg	Copper mg/kg	Lead mg/kg	Nickel mg/kg	Zinc mg/kg
Lift #1, 5.5'	8/22/05	--	--	130 ^{1,2,3}	24	<66	ND	41	19	8.0	45	50
Lift #2, 8.5'	8/22/05	--	--	<1.0	<5.0	<67	ND	25	15	6.0	35	37
Lift #3, 8.5' South	8/24/05	--	--	76 ^{1,3}	190	<67	ND	28	15	6.7	72	37
Lift #4 Bottom 9'	9/1/05	ND	<1.1	12 ^{1,3}	6.1 ^{2,3}	<67	ND	36	18	5.7	58	53
Lift #6, 10'	9/1/05	--	--	<1.0	<5.0	<67	ND	39	16	5.9	45	36
Lift #6 Bottom 12'	8/29/05	--	--	<1.0	<5.0	<0.0005	<0.10	67	12	4.0	32	38
Lift #7 Bottom-10'	10/13/05	ND	<50	<2.5	<10	<0.0005	<0.10	20	39	5.1	17	99
Lift #7-8-9 N. Face 6	10/13/05	(4)	7.1	<2.5	94	<0.0005	<0.10	30	67	10.0	43	93
Lift #9 Bottom-9'	10/13/05	ND	<0.050	<2.5	<10	<0.0005	<0.10	24	61	32.0	31	100
<hr/>												
Trench A-4.5'	8/24/05	--	--	<1.0	<5.0	<67	ND	25	15	6.3	35	46
Trench B-4.5'	8/24/05	--	--	30 ^{1,3}	55	<66	ND	40	18	6.5	47	48
Trench C-8.5'	8/29/05	MC: 22	2.3 ^{1,3}	12 ^{1,2,3}	8.3 ^{1,3}	<66	ND	38	21	6.4	61	47
Trench D-8.5'	9/1/05	ND	<1.1	38 ^{1,3}	45	<66	ND	--	--	--	--	--
Trench E-10.5'	8/29/05	MC: 26	<0.99	<0.99	<5.0	<67	ND	28	54	7.0	47	55
Trench F-10'	8/29/05	ND	<0.92	9.3 ^{1,2,3}	21	<67	ND	39	20	5.8	54	42

Notes:

- = parameter not analyzed.
- ug/kg = micrograms per kilogram
- MC = methylene chloride
- mg/kg = milligrams per kilogram
- ND = parameter not detected above laboratory reporting limits
- PAHs = polynuclear aromatic hydrocarbons analyzed using EPA test method 8270
- PCBs = polychlorinated biphenyls
- TPHd = total petroleum hydrocarbons as diesel
- TPHg = total petroleum hydrocarbons as gasoline

Table 2
Analytical Results for Confirmation Soil Samples Collected
from the Former Service Area Soil Excavation
230 Bay Place, Oakland, California

TPHmo = total petroleum hydrocarbons as motor oil

VOCs = volatile organic chemicals analyzed using EPA test method 8260

1. Heavier hydrocarbons contributed to the quantification.
2. Lighter hydrocarbons contributed to the quantification.
3. Sample exhibits chromatographic pattern that does not resemble standard.
4. Sample contained 0.043 mg/kg ethylbenzene and 0.260 mg/kg total xylenes

Table 3
Analytical Results of Stockpile Soil Samples
Fuel-Related Compounds
230 Bay Place Oakland, California

Concentrations in milligrams per kilogram (mg/kg)

Sample ID	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Gasoline (C7-C12)	Motor Oil (C24-C36)	Diesel (C10 -C24)
SS1	8/23/2005	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	8.5HY	370	380HLY
SS2	8/23/2005	<0.005	<0.005	<0.005	<0.005	<0.005	6.9HY	5,000	1,600HY
SS3	8/26/2005	NA	NA	NA	NA	NA	10HY	4,600	3,400HLY
B-COMP	9/7/2005	NA	NA	NA	NA	NA	41H	4,600L	2,700HLY
Bottom (B,100)-8'	10/14/2005	49	6.8	9.2	30	14	180	<10	<2.5
Bottom (C,100)-10'	10/14/2005	6.4	<5	<5	<10	150	290	<10	<2.5
Bottom (D,100)-10'	10/14/2005	<50	<50	<50	<100	1,600	1,100	<10	<2.5

Notes:

MTBE = Methyl Tertiary-Butyl Ether

NA = Not Analyzed

Bolded Values indicate a detection at or above reporting limits

H = Heavier hydrocarbons contributed to the quantitation

L = Lighter hydrocarbons contributed to the quantitation

Y = Sample exhibits chromatographic pattern which does not resemble standard.

Table 4
Results of Stockpile Soil Samples
Lead
230 Bay Place Oakland, California

Sample ID	Date Sampled	Lead (mg/kg)	TCLP Lead ($\mu\text{g/L}$)	Wet Leachate Lead ($\mu\text{g/L}$)
SS1	8/23/2005	NA	NA	22,000
SS1	8/23/2005	510	NA	NA
SS1	8/23/2005	NA	670	NA
SS1-A	8/23/2005	NA	NA	14,000
SS1-B	8/23/2005	NA	NA	21,000
SS1-C	8/23/2005	NA	NA	820
SS1-D	8/23/2005	NA	NA	14,000
SS2	8/23/2005	NA	NA	16,000
SS2	8/23/2005	NA	480	NA
SS2	8/23/2005	260	NA	NA
SS2-A	8/23/2005	NA	NA	16,000
SS2-B	8/23/2005	NA	NA	17,000
SS2-C	8/23/2005	NA	NA	5,800
SS2-D	8/23/2005	NA	NA	17,000
SS3	8/26/2005	87	NA	NA
A-1	9/7/2005	NA	NA	2,900
A-2	9/7/2005	NA	NA	62,000
A-3	9/7/2005	NA	NA	1,900
A-4	9/7/2005	NA	NA	2,000
A-5	9/7/2005	NA	NA	2,500
A-6	9/7/2005	NA	NA	3,800
B-COMP	9/7/2005	86	NA	NA

Notes:

NA = Not Analyzed

Bolded Values indicate a detection at or above reporting limits

TCLP = Toxicity Characteristic Leaching Procedure

WET = Waste Extraction Test (aka Soluble Threshold Limit Concentration)

$\mu\text{g/L}$ = micrograms per liter

mg/kg = milligrams per kilogram

Table 5
Analytical Results for Soil Samples Collected from Test Pits and Beneath the Showroom Floor, Organics
230 Bay Place, Oakland, California
concentrations in milligrams per kilogram (mg/kg)

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHmo
Test Pits								
Composite 1 (A1 & B2)	1/9/2006	<0.0053	<0.0053	<0.0053	<0.0053	<1.1	6.5 HY	19
Composite 2 (C1 & C2)	1/9/2006	<0.0053	<0.0053	<0.0053	<0.0053	<1.1	23 HY	73
Composite 3 (D1 & D2)	1/9/2006	<0.0053	<0.0053	<0.0053	<0.0053	<1.1	72 HY	110
Composite 4 (F1 & H1)	1/9/2006	<0.0053	<0.0053	<0.0053	<0.0053	<1.1	7.1 HY	31
Composite 5 (E3 & G3)	1/9/2006	<0.0051	<0.0051	<0.0051	<0.0051	<1.0	<1.0	<5.0
Composite 6 (G4 & H4)	1/9/2006	<0.0055	<0.0055	<0.0055	<0.0055	<1.1	270 HY	1,100
Composite 7 (J1 & J2)	1/9/2006	<0.0051	<0.0051	<0.0051	<0.0051	<1.0	<1.0	<5.0
Composite 8 (J3 & J4)	1/9/2006	<0.0054	<0.0054	<0.0054	<0.0054	20 HY	170 HLY	230
Composite 9 (H2 & H3)	1/9/2006	<0.0053	<0.0053	<0.0053	<0.0053	<1.1	<1.0	<5.0
Showroom Floor								
Showroom floor Comp A-D	5/3/2006	NA	NA	NA	NA	<1.1	600 H	1,100 L
Comp East (A&B)	6/29/2006	3.1	5.8	360 J	26	200	68	1,000
Comp Central (A&B)	6/29/2006	<0.010	<0.010	<0.010	<0.020	<0.1	<40	242
Comp West (A&B)	6/29/2006	<0.010	<0.010	<0.010	<0.020	<0.1	<60	816
Showroom-Comp	7/17/2006	<0.005	<0.005	<0.005	<0.015	<50	<20	1,050
Regulatory Concentrations								
WCC Landfill Acceptance Criteria		<1.0	<1.0	<1.0	<1.0	50	100	500

Notes:

TPHg = total petroleum hydrocarbons as gasoline

TPHd = total petroleum hydrocarbons as diesel

H = Heavier hydrocarbons contributed to the quantitation

L = Lighter hydrocarbons contributed to the quantitation

TPHmo = total petroleum hydrocarbons as motor oil

WCC Landfill = Republic Services West Contra Costa County Class 2 landfill

Y = Sample exhibits chromatographic pattern that does not resemble standard

Samples collected on January 9 and May 3, 2006, were analyzed by Curtis & Tompkins, Ltd.

Samples collected on June 29, 2006, were analyzed by Torrent Laboratory Inc.

Volatile organic compounds not reported on this summary table were not detected above the analytical reporting limits.

Bold font = soil required offhauling to Allied Waste's Forward Landfill.

Table 6
Analytical Results for Soil Samples Collected from Test Pits and Beneath the Showroom Floor, Metals
230 Bay Place, Oakland, California
concentrations in milligrams per kilogram (mg/kg)

Sample ID	Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Vanadium	Zinc
Test Pits														
Composite 1	1/9/2006	3.6	490	0.40	0.28	30	8.4	16	31	0.063	38	<0.25	30	49
Composite 2	1/9/2006	5.5	160	0.39	0.24	33	8.8	16	23	0.11	33	0.42	31	39
Composite 3	1/9/2006	5.0	230	0.39	0.25	27	8.7	14	8.4	0.028	39	0.40	30	27
Composite 4	1/9/2006	3.6	140	0.41	0.27	33	8.5	16	7.7	0.042	43	<0.25	29	32
Composite 5	1/9/2006	8.2	130	0.33	0.25	30	7.6	13	5.0	0.037	47	0.38	27	35
Composite 6	1/9/2006	33	210	0.41	2.2	19	15	4,700	1,000	1.5	32	1.4	76	1,300
Composite 7	1/9/2006	4.0	180	0.38	0.29	37	8.1	17	4.7	0.034	44	<0.21	29	40
Composite 8	1/9/2006	3.8	120	0.37	<0.25	31	24	78	38	0.099	33	<0.25	30	34
Composite 9	1/9/2006	3.2	300	0.39	0.24	35	10	17	7.3	0.041	41	<0.21	32	35
Showroom														
floor comp A-D	5/3/2006	14	140	0.35	0.37	36	7.2	89	120	0.80	61	<0.25	66	110
Regulatory Concentrations														
TTLC (mg/kg)		500	10,000	75	100	2,500	8,000	2,500	350	20	2,000	100	2,400	5,000
STLC (mg/l)		5.0	100	0.75	1.0	5.0	80	250	5.0	0.2	20	1.0	24	250

Notes:

Samples analyzed by Curtis & Tompkins Ltd.

TTLC denotes total threshold limit concentration

STLC denotes soluble threshold limit concentration

Bold font denoted results above total threshold limit concentration (TTLC) - see Table 7 for soluble lead analyses and results.

Composite 1 comprised of soil from test pit A1 & B2.

Composite 2 comprised of soil from test pit C1 & C2

Composite 3 comprised of soil from test pit D1 & D2

Composite 4 comprised of soil from test pit F1 & H1

Composite 5 comprised of soil from test pit E3 & G3

Composite 6 comprised of soil from test pit G4 & H4

Composite 7 comprised of soil from test pit J1 & J2

Composite 8 comprised of soil from test pit J3 & J4

Composite 9 comprised of soil from test pit H2 & H3

Table 7
Analytical Results for Soil Samples Collected from
Test Pits and Beneath the Showroom Floor, Soluble Lead
230 Bay Place, Oakland, California

Sample ID	Date	Total Lead mg/kg	STLC Lead ug/l
Test Pits			
Composite 6	1/9/2006	1,000	1,300
G-4	1/9/2006	180	1,200
H-4	1/9/2006	6.8	NA
G-4-1*	1/24/2006	3,000	NA
G-4-2	1/24/2006	61	4,800
G-4-3	1/24/2006	25	NA
H-4-1	1/24/2006	6.1	NA
G-4-5	1/24/2006	48	NA
G-4-6	2/1/2006	180	85,000
G-4-7	2/1/2006	27	NA
Showroom Floor			
Comp A-D	5/3/2006	120	8,200
Comp East (A&B)	6/29/2006	17	NA
Comp Central (A&B)	6/29/2006	340	0.800
Comp West (A&B)	6/29/2006	58	2.64
Showroom-Comp	7/17/2006	53	3.37
Regulatory Concentrations			
TTLC		350	NA
STLC		NA	5.0

Notes:

* = TCLP analysis for lead contained 1,300 ug/l

ug/l = micrograms per liter

NA = sample not analyzed

mg/l = milligrams per liter

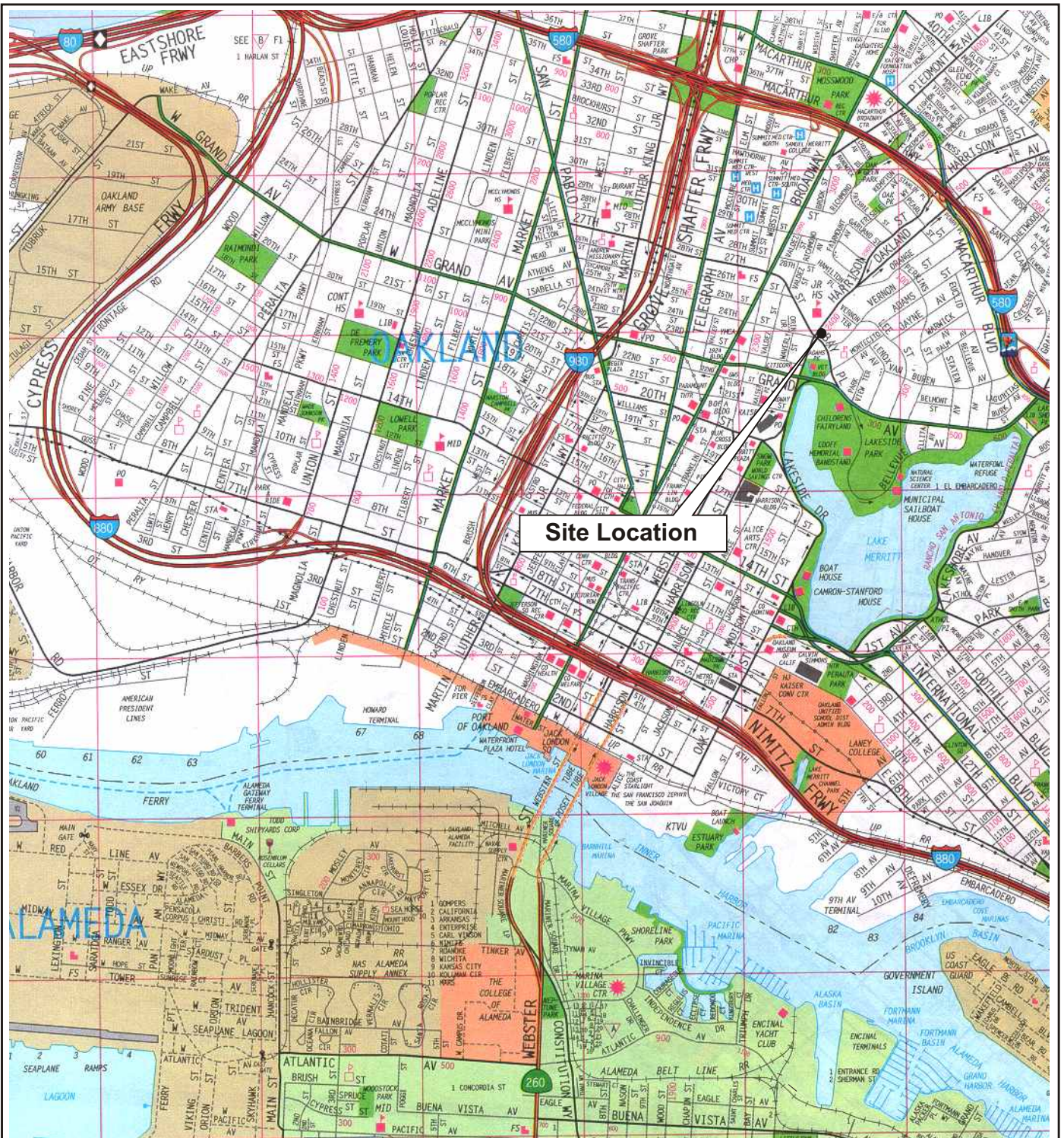
STLC = soluble threshold limit concentration

TTLC = total threshold limit concentration

Bold font = soil required offhauling to Waste Management's Kettleman Hills Landfill.

Samples collected on January 9 and May 3, 2006, were analyzed by Curtis & Tompkins, Ltd.

Samples collected on June 29, 2006, were analyzed by Torrent Laboratory Inc.



© 1999 Copyright Thomas Bros. Map ©

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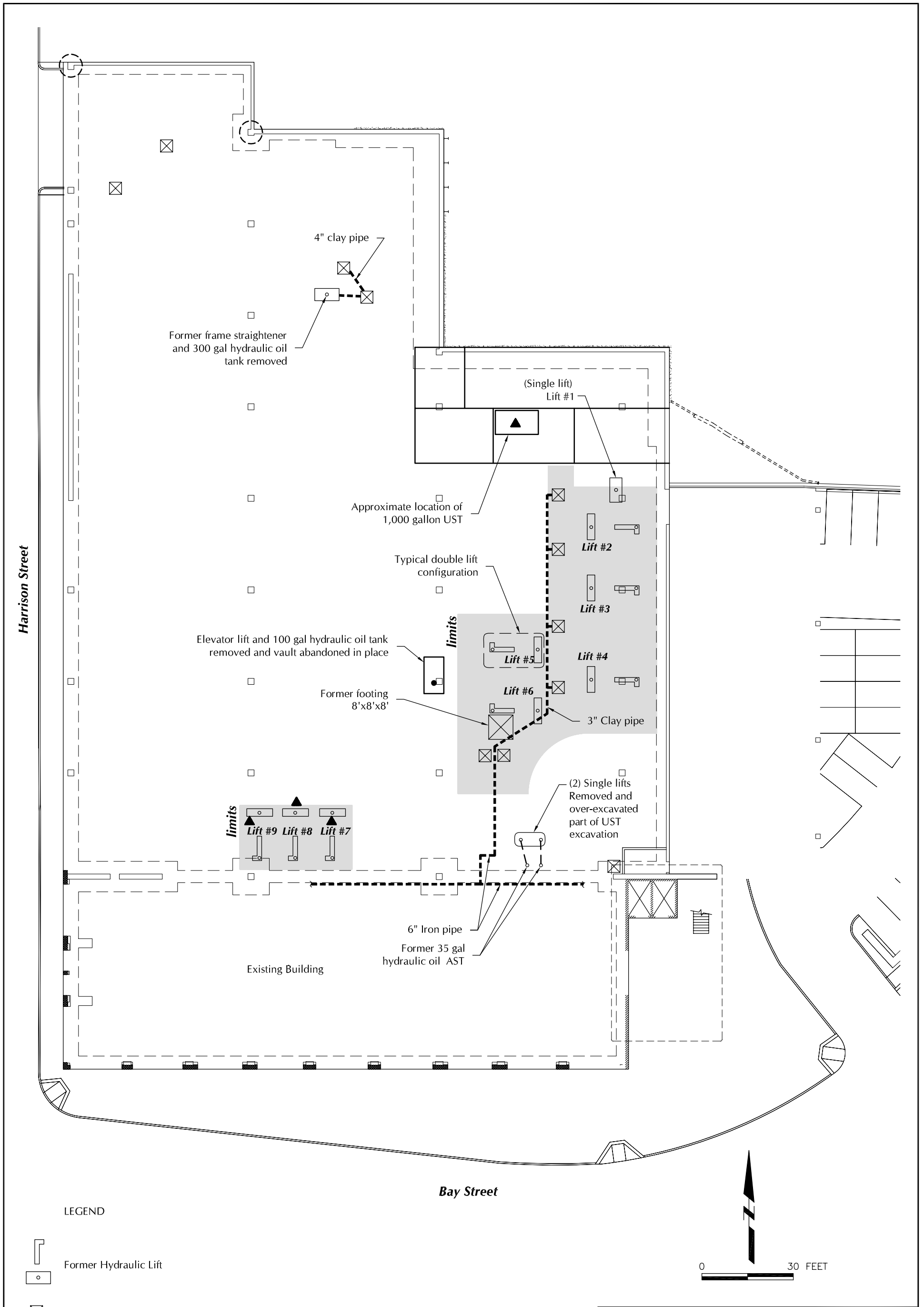


Site Vicinity Map





Former Cox Cadillac, 230 Bay Place, Oakland, California

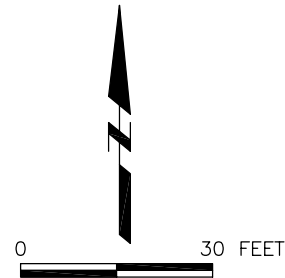


Figure 1



LEGEND

-  Former Hydraulic Lift
-  Former Concrete Drain Box
-  Excavated Area
-  Confirmation Soil Sample Location

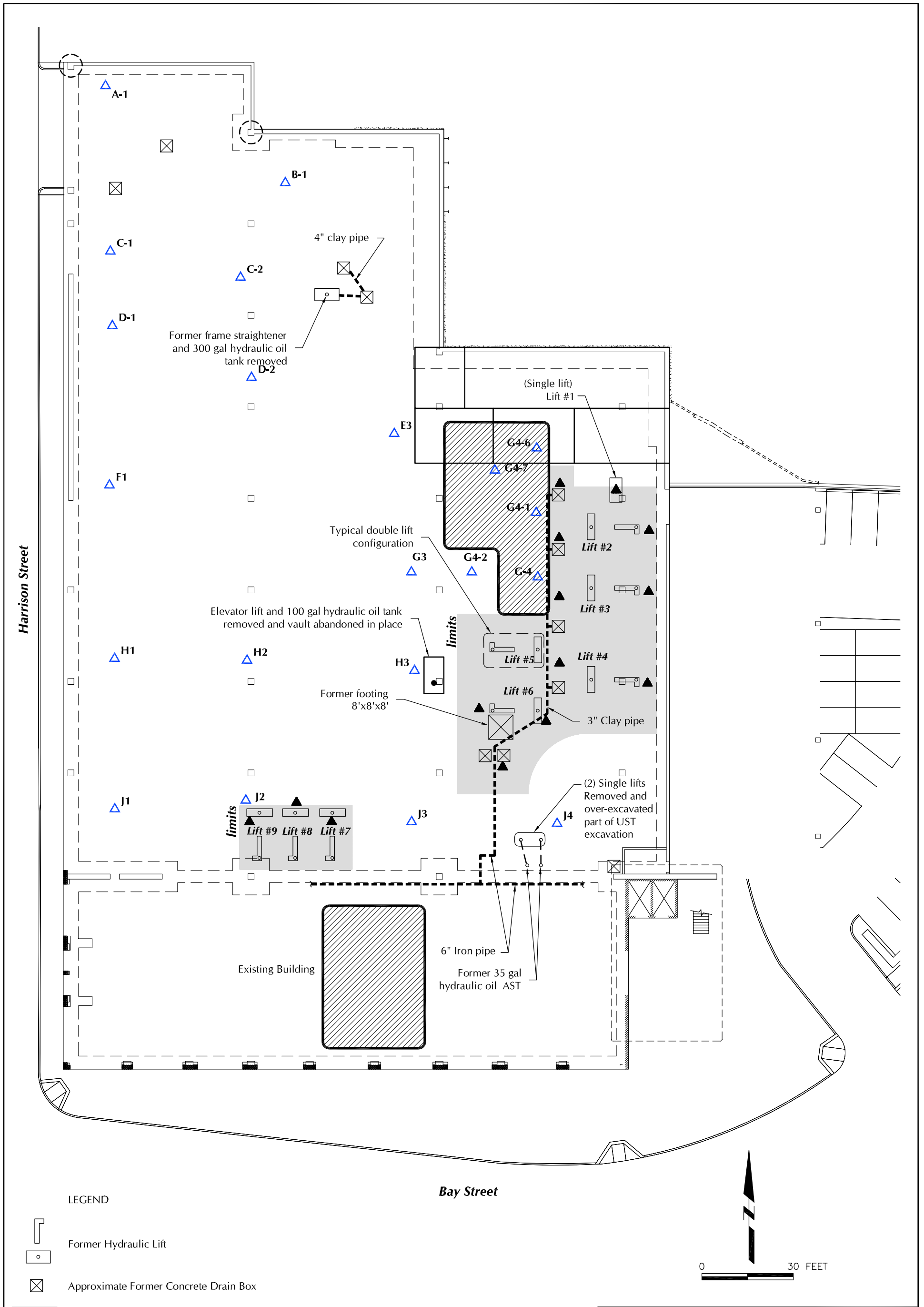


Site Plan







Former Cox Cadillac, 230 Bay Place, Oakland, California

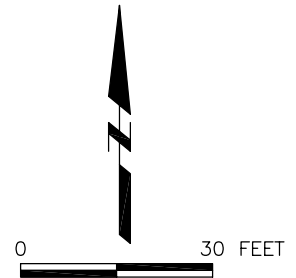


Figure 2



LEGEND

-  Former Hydraulic Lift
-  Approximate Former Concrete Drain Box
-  Excavated Area for Lift & Drains
-  Confirmation Soil Sample Location
-  Test Pit Location
-  Approximate Areas of Excavation for Lead-Affected Soil



Test Pit Locations and Areas of Excavation for Lead-Affected Soil

Former Cox Cadillac, 230 Bay Place, Oakland, California



Figure 3

APPENDIX A

Well Abandonment 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: 08/09/2005 **By** jamesy
Permits Issued: W2005-0773

Receipt Number: WR2005-2036
Permits Valid from 08/10/2005 **to** 08/12/2005

Application Id: 1123113860305
Site Location: 230 Bay Place
Project Start Date: 08/10/2005

City of Project Site: Oakland
Completion Date: 08/12/2005

Applicant: LFR Levine Fricke - Chris Nardi
1900 Powell Street, 12th Floor, Emeryville, CA 94608
Property Owner: Robert Bond Bond CC Oakland, LLC
350 W. Hubbard Street, Suite 4560, Chicago, IL 60610
Client: ** same as Property Owner **
Contact: Nardi Nardi

Phone: 510-596-9580
Phone: 312-853-0070
Phone: 510-596-9580
Cell: 925-998-5720

Total Due: \$300.00
Total Amount Paid: \$300.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Water Supply - 1 Wells

Driller: Exploration Drilling Services - Lic #: 431604 - Method: wperf

Work Total: \$300.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2005-0773	08/09/2005	11/08/2005	OTC-1	16.00 in.	12.00 in.	0.00 ft	100.00 ft			

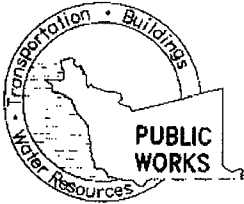
Specific Work Permit Conditions

1. Remove any casing(s) and annular seal to 3-5 feet below finished grade of original ground, whichever is the lower elevation. If well(s) are obstructed, then drill out to original depth.
2. Destroy well by pulling out the well casing and grouting neat cement with a tremie to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade.
3. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.
4. Permittee, 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 statues 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.
5. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including: permit number and site map.
6. 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

Alameda County Public Works Agency - Water Resources Well Permit

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.

7. Applicant shall contact James Yoo for a inspection time at 510-670-6633 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.



ALAMEDA COUNTY PUBLIC WORKS AGENCY
 Water Resources Section, Attn: James Yoo
 399 Elmhurst Street, Hayward, CA 94544-1395
 Phone: (510) 670-6633 Fax: (510) 782-1939
 General Info: www.acgov.org/pwa/wells or email at wells@acpwa.org

DRILLING PERMIT APPLICATION

Applicants: Please attach a site map for all drilling permit applications.

Location of Project: 230 Bay Place
 City: Oakland, CA
 Project start date: 3/17/05 Project completion date: 3/18/05

PROPERTY OWNER
 Name: Bond Companies
 Address: 350 W. Hubbard
 City, State, Zip: Chicago, IL 60610
 Phone: _____
 E-mail Address: _____

APPLICANT
 Name: LFR Levine Fricke
 Address: 1900 Powell St.
 City, State, Zip: Emeryville, CA 94608
 Phone: 510 596-1950
 E-mail Address: ron.goloukows@lfr.com
 cc E-mail Address: shelby.sachs@lfr.com

WORK CATEGORIES

Type of Project

<u>Well Construction</u>		<u>Geotechnical Investigation</u>	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

Proposed Water Supply Well Use

New Domestic	<input type="checkbox"/>	Industrial	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>	Other	<u>N/A</u> <input type="checkbox"/>

Drilling Method

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	_____		<input type="checkbox"/>

Driller's Name: Gregg Drilling & Testing Driller's License No.: 485165

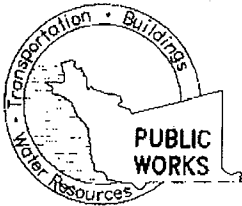
WELL PROJECTS

Owner Well ID	Drill Hole Diameter (in.)	Casing Diameter (in.)	Surface Seal Depth (ft.)	Max. Depth (ft.)	Latitude	Longitude
1 <u>MW-1</u>	<u>8</u>	<u>2</u>	<u>5</u>	<u>20</u>		
2						
3						
4						
5						
6						

GEOTECHNICAL/ENVIRONMENTAL/CONTAMINATION PROJECTS

Number of Boreholes	Hole Diameter (in.)	Max. Depth (ft.)
1		
2		

Applicant's Signature: [Signature] SHELBY SACHS, LFR Approved by: _____



ALAMEDA COUNTY PUBLIC WORKS AGENCY
 Water Resources Section, Attn: James Yoo
 399 Elmhurst Street, Hayward, CA 94544-1395
 Phone: (510) 670-6633 Fax: (510) 782-1939
 General Info: www.acgov.org/pwa/wells or email at wells@acpwa.org

DRILLING PERMIT APPLICATION

Applicants: Please attach a site map for all drilling permit applications.

Location of Project: 230 Bay Place
 City: Oakland, CA
 Project start date: 3/17/05 Project completion date: 3/18/05

PROPERTY OWNER
 Name: Bond Companies
 Address: 350 W. Hubbard
 City, State, Zip: Chicago, IL 60610
 Phone: _____
 E-mail Address: _____

APPLICANT
 Name: LFR Levine Epcke
 Address: 1900 Powell St.
 City, State, Zip: Emeryville, CA 94608
 Phone: 510 596 1950
 E-mail Address: ron.goloubov@lfr.com
 cc E-mail Address: shelby.sachs@lfr.com

WORK CATEGORIES

Type of Project

<u>Well Construction</u>		<u>Geotechnical Investigation</u>	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

Proposed Water Supply Well Use

New Domestic	<input type="checkbox"/>	Industrial	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>	Other	<u>N/A</u> <input type="checkbox"/>

Drilling Method

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	_____		<input type="checkbox"/>

Driller's Name: Gregg Drilling & Testing Driller's License No.: 485105

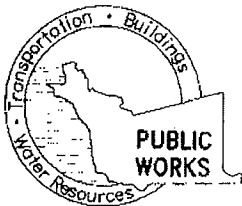
WELL PROJECTS

Owner Well ID	Drill Hole Diameter (in.)	Casing Diameter (in.)	Surface Seal Depth (ft.)	Max. Depth (ft.)	Latitude	Longitude
1						
2 <u>TW-24</u>	<u>8</u>	<u>2</u>	<u>5</u>	<u>8</u>		
3						
4						
5						
6						

GEOTECHNICAL/ENVIRONMENTAL/CONTAMINATION PROJECTS

Number of Boreholes	Hole Diameter (in.)	Max. Depth (ft.)
1		
2		

Applicant's Signature: Shelby Sachs, LFR Approved by: _____



ALAMEDA COUNTY PUBLIC WORKS AGENCY
 Water Resources Section, Attn: James Yoo
 399 Elmhurst Street, Hayward, CA 94544-1395
 Phone: (510) 670-6633 Fax: (510) 782-1939
 General Info: www.acgov.org/pwa/wells or email at wells@acpwa.org

DRILLING PERMIT APPLICATION

Applicants: Please attach a site map for all drilling permit applications.

Location of Project: 230 Bay Place
 City: Oakland, CA
 Project start date: 3/17/05 Project completion date: 3/18/05

PROPERTY OWNER	
Name:	<u>Bond Companies</u>
Address:	<u>350 W. Hubbard</u>
City, State, Zip:	<u>Chicago, IL 60610</u>
Phone:	
E-mail Address:	

APPLICANT	
Name:	<u>LFR Levine Epcke</u>
Address:	<u>1900 Powell St.</u>
City, State, Zip:	<u>Emeryville, CA 94608</u>
Phone:	<u>510 596-1950</u>
E-mail Address:	<u>ron.goloubov@lfr.com</u>
cc E-mail Address:	<u>shelby.sachs@lfr.com</u>

WORK CATEGORIES

Type of Project

<u>Well Construction</u>	<u>Geotechnical Investigation</u>
Cathodic Protection <input type="checkbox"/>	General <input type="checkbox"/>
Water Supply <input type="checkbox"/>	Contamination <input type="checkbox"/>
Monitoring <input type="checkbox"/>	Well Destruction <input checked="" type="checkbox"/>

Proposed Water Supply Well Use

New Domestic <input type="checkbox"/>	Industrial <input type="checkbox"/>	Replacement Domestic <input type="checkbox"/>
Municipal <input type="checkbox"/>	Irrigation <input type="checkbox"/>	Other <u>N/A</u> <input type="checkbox"/>

Drilling Method

Mud Rotary <input type="checkbox"/>	Air Rotary <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>
Cable <input type="checkbox"/>	Other <input type="checkbox"/>	

Driller's Name: Gregg Drilling & Testing Driller's License No.: 485105

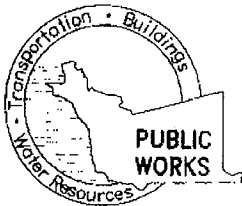
WELL PROJECTS

Owner Well ID	Drill Hole Diameter (in.)	Casing Diameter (in.)	Surface Seal Depth (ft.)	Max. Depth (ft.)	Latitude	Longitude
1						
2						
3 <u>TW-5</u>	<u>8</u>	<u>2</u>	<u>5</u>	<u>9</u>		
4						
5						
6						

GEOTECHNICAL/ENVIRONMENTAL/CONTAMINATION PROJECTS

Number of Boreholes	Hole Diameter (in.)	Max. Depth (ft.)
1		
2		

Applicant's Signature: [Signature] Approved by: _____



ALAMEDA COUNTY PUBLIC WORKS AGENCY
 Water Resources Section, Attn: James Yoo
 399 Elmhurst Street, Hayward, CA 94544-1395
 Phone: (510) 670-6633 Fax: (510) 782-1939
 General Info: www.acgov.org/pwa/wells or email at wells@acpwa.org

DRILLING PERMIT APPLICATION

Applicants: Please attach a site map for all drilling permit applications.

Location of Project: 230 Bay Place
 City: Oakland, CA
 Project start date: 3/17/05 Project completion date: 3/18/05

PROPERTY OWNER
 Name: Bond Companies
 Address: 350 W. Hubbard
 City, State, Zip: Chicago, IL 60610
 Phone: _____
 E-mail Address: _____

APPLICANT
 Name: LFR Levine Fricke
 Address: 1900 Powell St.
 City, State, Zip: Emeryville, CA 94608
 Phone: 510 596-9550
 E-mail Address: ron.golubow@lfr.com
 cc E-mail Address: shelby.sachs@lfr.com

WORK CATEGORIES

Type of Project

<u>Well Construction</u>		<u>Geotechnical Investigation</u>	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

Proposed Water Supply Well Use

New Domestic	<input type="checkbox"/>	Industrial	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>	Other	<u>N/A</u> <input type="checkbox"/>

Drilling Method

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

Driller's Name: Gregg Drilling & Testing Driller's License No.: 485165

WELL PROJECTS

Owner Well ID	Drill Hole Diameter (in.)	Casing Diameter (in.)	Surface Seal Depth (ft.)	Max. Depth (ft.)	Latitude	Longitude
1						
2						
3						
4	<u>TW-7</u>	<u>8</u>	<u>2</u>	<u>5</u>	<u>10</u>	
5						
6						

GEOTECHNICAL/ENVIRONMENTAL/CONTAMINATION PROJECTS

Number of Boreholes	Hole Diameter (in.)	Max. Depth (ft.)
1		
2		

Applicant's Signature: Shelby Sachs Approved by: _____
 LFR

APPENDIX B

Evergreen Oil Work Order – Service Agreements

8A-5p

COX CADILLAC

WORK ORDER/SERVICE AGREEMENT

Evergreen Environmental Services

No 268715

To schedule a pickup, call 800-972-5284

Send payment to:

Sales Order # 400027732

6880 Smith Ave., Newark, CA EPA# CAD982413262
16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Evergreen Oil, Inc.
P.O. BOX 678252
Dallas, TX 75267-8252

Date: 07/08/05

GENERATOR/JOB LOCATION BILLING INFORMATION
NAME: Marcor Remediation
ADDRESS: 230 Bay Place
CITY: Oakland Ca STATE: 94612 CO.
PHONE NO.: (510) 376-4866

Table with 7 columns: PRODUCT, WASTE CODE, MANIFEST NUMBER, QUANTITY, UNITS, PRICE, AMOUNT. Includes rows for Used oil, Waste, Liquid, Oil & Water, etc.

TEST: Clor D Tech 4000 ppm Clor D Tech 1000 Pass Fail Halogen Detector/Flame Test Pass Fail

Field Service Work Description:
Other:
Vacuum Services Time
Out-of Yard On Site Off Site Off Load Start Off Load End Return to Yard

Total Charges
3450.00

TSDF

Consolidated Manifest

- Evergreen Oil, Inc. 6880 Smith Ave. Newark, CA 94560 CAD980887418
Evergreen Env. Svc. 745-A West Betteravia Santa Maria, CA 93454 CAD982446874
Evergreen Env. Svc. 16604 S. San Pedro Carson, CA 90746 CAD981696420
Evergreen Env. Svc. 745-A West Betteravia Santa Maria, CA 93454 CAD982446874
CFR 944 E. Slauson Ave. Los Angeles, CA 90011 CAL000110021
AJS Filter 15131 Clark Ave. Industry, CA 91745 CAD000097432
CFR 33218 Western Union City, CA 94587 CAL000091507
Greenleaf Env. Svc. 3474 Toyon Circle Valley Springs, CA 95352 CAL000214411

Source: Collection Station Government Marine Agricultural Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.
I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.

Retain sample #

Driver Signature: Fred Olive Print Name: Fred Olive Route #: 2203 Date: 07/08/05
Generator's Signature: [Signature] Print Name: [Name] Date: [Date]



Evergreen Environmental Services

dedicated to the protection of the environment

WORK ORDER/SERVICE AGREEMENT

No 275451

To schedule a pickup, call
800-972-5284

Send payment to:

Sales Order # 60007003

6880 Smith Ave., Newark, CA EPA# CAD982413262
16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Evergreen Oil, Inc.
P.O. BOX 678252
Dallas, TX 75267-8252

Date: 7-22-06

GENERATOR/JOB LOCATION

BILLING INFORMATION

NAME <u>Marcos Remediation</u>	NAME <u>Marcos Remediation</u>	CASH <input type="checkbox"/> CHECK <input type="checkbox"/>
ADDRESS <u>120 Bay Place</u>	ADDRESS <u>6644 Sierra Lane</u>	CUSTOMER CODE NO. <u>MAR14</u>
CITY STATE ZIP CO. <u>Oakland CA 94612</u>	CITY STATE ZIP CO. <u>Dublin CA 94568</u>	PO #
PHONE NO. <u>(510) 376-4866</u>	PHONE NO. <u>()</u>	PROFILE NO.
		CUSTOMER EPA ID NO. <u>CAD981416220</u>

PRODUCT	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used oil, Non-RCRA Hazardous Lubricating	CA221			Gal.		
Waste, Liquid Industrial	CA221			Gal.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid	CA134			Gal.		
RO Waste Combustible Liquid, N.O.S. NA 1993 III (Oil contaminated with hexagone)	CA221 F001/F002			Gal.		
Oil & Water, Non-RCRA Hazardous Waste Liquid	CA221	<u>2780516</u>	<u>1365</u>	Gal.	<u>.85</u>	<u>1160.25</u>
Waste Solids and Sludges			<u>140</u>	Gal.	<u>1.65</u>	<u>231.00</u>
Wash Out			<u>1</u>	Each	<u>250</u>	<u>250.00</u>
Drained Used Oil Filters				Drum		
Non-RCRA Hazardous Waste Solids (oily debris)	CA223			Drum		
Empty Drums				Drum		
Transportation			<u>9</u>	Hrs.	<u>70</u>	<u>630.00</u>
Non Hazardous Water				Gal.		
Glycol Bulk 50/50				Gal.		
Glycol Bulk Conc.				Gal.		

TEST: Clor D Tech 4000 ppm Clor D Tech 1000 Pass Fail Halogen Detector/Flame Test Pass Fail

Field Service Work Description:

Total Charges

Other:

1711.25

Other:

Vacuum Services Time

Out of Yard _____ On Site _____ Off Site _____ Off Load Start _____ Off Load End _____ Return to Yard _____

1997.25

TSDF

Consolidated Manifest

- | | | | | |
|--|--|---|---|---|
| <input type="checkbox"/> Evergreen Oil, Inc.
6880 Smith Ave.
Newark, CA 94560
CAD980887418 | <input type="checkbox"/> Evergreen Env. Svc.
Road 30B
Davis, CA 95616
CAD982446874 | <input type="checkbox"/> Evergreen Env. Svc.
4139 N. Valentinc
Fresno, CA 93722
CAD982446882 | <input type="checkbox"/> AJS Filter
15131 Clark Ave.
Industry, CA 91745
CAD000097432 | <input type="checkbox"/> _____
_____ |
| <input type="checkbox"/> Evergreen Env. Svc.
16604 S. San Pedro
Carson, CA 90746
CAD981696420 | <input type="checkbox"/> Evergreen Env. Svc.
745 A West Bitteravia
Santa Maria, CA 93454
CAD982446858 | <input type="checkbox"/> CFR
944 E. Slauson Ave.
Los Angeles, CA 90011
CAL000110021 | <input type="checkbox"/> CFR
33210 Western
Union City, CA 94587
CAL000091507 | <input type="checkbox"/> Greenleaf Env. Svc.
3474 Toyon Circle
Valley Springs, CA 95352
CAL000214411 |

Source: Collection Station Government
 Marine Agricultural Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.

I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.

Retain sample # _____

Driver Signature

Print Name

Route #

Date

Generator's Signature

Print Name

Date

Shelby Sacks, Inc.
7/22/06



Evergreen Environmental Laboratory

Work Order - Sample Submission Chain of Custody

Submitted By: <i>Bryan</i>	Generator: <i>Marcor</i>
Number of Samples: <i>1</i>	Transporter: (if applicable) <i>EES-Fred</i>
Sample Tag #: (if applicable) <i>20896</i>	Manifest #: (if applicable) <i>23803474</i>
Date/Time Received: <i>7/2/05 11:25</i>	Received By (signature): <i>Ally E.</i>

Waste Profile Acceptance Analysis:

Incoming Oily Water/Wastewater to the Wastewater Treatment System (WTS)

Generator's Waste Profile Worksheet #:

Analysis:	Results:
Odor	<i>- "HLD"</i>
Color	<i>"gray"</i>
pH, <i>Tested only if separated water layer exists</i>	<i>6.5</i>
API Gravity @ 60 degrees F.	<i>11.4 at 60°F</i>
Water, %	<i>85%</i>
PCB, ppm <i>Tested only if >10% oil</i>	<i>Pass (<1ppm)</i>
Flash Point (140 degrees F.)	<i>Pass</i>
Sulfides, <i>Tested as necessary to confirm LDR compliance</i>	<i>-</i>
Cyanides, <i>Tested as necessary to confirm LDR compliance</i>	<i>-</i>
Chlorine Screen	<i>Pass (<50 ppm)</i>
Total Organic Halides, ppm	<i>Pass</i>
Glycol, %	<i>0</i>
Oil/Grease, % or ppm	<i>15%</i>
Solids, %	<i><1%</i>
Metals, <i>As, Cd, Cu, Ni, Ag, Cr, Zn, Co, Pb, Sn</i> <i>Performed only to verify treatment in WTS</i>	<i>"Please Attach Results"</i>
Phenols, ppm <i>Performed only to verify treatment in WTS</i>	<i>-</i>
Total Toxic Organics, % or ppm <i>Performed only to verify treatment in WTS</i>	<i>-</i>

Post Analysis Determination:

Wastewater Treatment System (WTS)

Off-Site Disposal/Other

<input type="checkbox"/>
<input checked="" type="checkbox"/>

APPENDIX C

Laboratory Reports

(Appendix C is not included in this PDF file)

APPENDIX D

Landfill Summaries

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

11:55 PM 09/23/05

REG. (7)

EMBROID 74680 1b

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

1:14 PM 09/23/05
REG. (7)

74680 1b GROSS
30880 1b TARE
43800 1b NET

APPROVAL NO. <u>CM121700</u>	GROSS WT. BY: <u>Nick Nuncio</u> DEPUTY	DATE <u>9-23-05</u>
DISPOSAL LOCATION <u>35-2 12-D6</u>	TARE WT. BY: <u>Carlos Navarro</u> DEPUTY	DATE <u>9/23/05</u>
DRIVER'S NAME PRINTED <u>Mike Richardson</u>	WEIGHING LOCATION: <u>2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206</u>	
DRIVER'S NAME SIGNATURE <u>Mike Richardson</u>	GENERATOR <u>BOND CC OAKLAND</u>	
TRACTOR NO. <u>BP77326 L-111</u>	TRANSPORTER <u>LUTREZ</u>	
TRACTOR LIC. NO. <u>1W28617</u>	MANIFEST NO. <u>CA24690619</u>	
TRAILER LIC. NO. <u>BP77326</u>	SERVICE ORDER NO. <u>DJ1034884</u>	
BIN NUMBERS:	BIN TRACKING	

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%	
<u>+</u>	<u>7.18</u>	<u>-</u>	<u>-</u>	<u>~</u>	<u>~</u>		
OTHER:							

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

DRUM NUMBER: 7399247

COMMENTS: _____

BIN DROP FULL: _____

MOVE BIN TO: _____ DATE: _____ BY: _____

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

2:36 PM 09/23/05
REG. (23)

77140 1b GROSS
28940 1b TARE
48200 1b NET

APPROVAL NO. CH121700	GROSS WT. BY: Rich Mann DEPUTY	DATE 9-23-05
DISPOSAL LOCATION 35-2 R-D-7	TARE WT. BY: [Signature] DEPUTY	DATE 9/23/05
DRIVER'S NAME PRINTED Adam Hill	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE [Signature]	GENERATOR BOND CC OAKLAND	
TRACTOR NO. 9D16719	TRANSPORTER WTRRL	
TRACTOR LIC. NO. 102	MANIFEST NO. CA24690620	
TRAILER LIC. NO. T-39 IWA182	SERVICE ORDER NO. 05103 4887	
BIN NUMBERS:	BIN TRACKING	

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%
+	6.55	-	-	N	~	
OTHER:						

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

DRUM NUMBER: **7399256**

COMMENTS:

BIN DROP FULL:
MOVE BIN TO: _____ DATE: _____ BY: _____

3:22 PM 09/23/05
 REG. 105
 20760 1b

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

APPROVAL NO. <i>CH121700</i>	GROSS WT. BY: <i>Carlos Navarre</i>	DEPUTY	DATE <i>9/23/05</i>
DISPOSAL LOCATION <i>35-2 12-D-7</i>	TARE WT. BY: <i>[Signature]</i>	DEPUTY	DATE <i>9/23/05</i>
DRIVER'S NAME PRINTED <i>Randy Wheat</i>	WEIGHING LOCATION: <i>2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206</i>		
DRIVER'S NAME SIGNATURE <i>[Signature]</i>	GENERATOR <i>Bond</i>		
TRACTOR NO. <i>110</i>	TRANSPORTER <i>Lutrel</i>		
TRACTOR LIC. NO. <i>SP97288</i>	MANIFEST NO. <i>24690621</i>		
TRAILER LIC. NO. <i>1WL8616</i>	SERVICE ORDER NO. <i>DJ1034884</i>		
BIN NUMBERS:	BIN TRACKING		

3:40 PM 09/23/05
 REG. (38)

20760 1b GROSS
 30720 1b TARE
 40040 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%
	<i>6.92</i>	<i>-</i>	<i>-</i>	<i>~</i>	<i>~</i>	
OTHER:						

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #
	<i>NN</i>	<i>NN</i>				<i>NN</i>		

DRUM NUMBER: *7399239*

COMMENTS:

BIN DROP FULL:

MOVE BIN TO: _____ DATE: _____ BY: _____

No. 103054

1:52 PM 09/23/05
REG. (15)
TARE 77180 1b

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

APPROVAL NO. CM121700	GROSS WT. BY: DICK NUNCIU DEPUTY	DATE 9-23-05
DISPOSAL LOCATION 35-2 12-0-7	TARE WT. BY: Carlos Navarro DEPUTY	DATE 9/23/05
DRIVER'S NAME PRINTED Paul Brownlee	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE Paul Brownlee	GENERATOR BOND CC BAKLUM	
TRACTOR NO. 81	TRANSPORTER LUTREZ	
TRACTOR LIC. NO. SP56439	MANIFEST NO. CA24690622	
TRAILER LIC. NO. 1WJ2181	SERVICE ORDER NO. DJ1034884	
BIN NUMBERS:	BIN TRACKING	

1:50 PM 09/23/05
REG. (15)

77180 1b GROSS
30480 1b TARE
46700 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%
A	6.85	-	-	N	~	
OTHER:						

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #
	MM	NN				NN		

DRUM NUMBER: **7399254**

COMMENTS:

BIN DROP FULL:

MOVE
BIN TO:

DATE:

BY:

3:16 PM 09/23/05
 REC. (37)
 INBOUND 74140 1b

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

APPROVAL NO. <i>CH121700</i>	GROSS WT. BY: <i>Carlos Navarro</i> DEPUTY	DATE <i>9/23/05</i>
DISPOSAL LOCATION <i>35-2 12-D-7</i>	TARE WT. BY: <i>Rafael</i> DEPUTY	DATE <i>9/23/05</i>
DRIVER'S NAME PRINTED <i>J Thompson</i>	WEIGHING LOCATION: <i>2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206</i>	
DRIVER'S NAME SIGNATURE <i>[Signature]</i>	GENERATOR <i>Bond</i>	
TRACTOR NO. <i>108</i>	TRANSPORTER <i>Lutrel</i>	
TRACTOR LIC. NO. <i>1WS2180 SP772336</i>	MANIFEST NO. <i>24690623</i>	
TRAILER LIC. NO. <i>SP77236</i>	SERVICE ORDER NO. <i>DJ1034884</i>	
BIN NUMBERS:	BIN TRACKING	

3:32 PM 09/23/05
 REC. (37)

74140 1b GROSS
 35400 1b TARE
 38740 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - FLAT BED

VIS	pH	SUL	CYA	FL	FLASH	20%
<i>H</i>	<i>7.32</i>	<i>-</i>	<i>-</i>	<i>N</i>	<i>N</i>	
OTHER:						

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

DRUM NUMBER: *7398883*

COMMENTS:

BIN DROP FULL:

MOVE BIN TO: _____ DATE: _____ BY: _____

No. 103049

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

APPROVAL NO. <u>CM121700</u>	GROSS WT. BY: <u>Will Nuncio</u> DEPUTY	DATE <u>9-23-05</u>
DISPOSAL LOCATION <u>35-2 12-D-6</u>	TARE WT. BY: <u>Carlos Navarro</u> DEPUTY	DATE <u>9/23/05</u>
DRIVER'S NAME PRINTED <u>Francis King</u>	WEIGHING LOCATION: <u>2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206</u>	
DRIVER'S NAME SIGNATURE <u>[Signature]</u>	GENERATOR <u>BOND CC OAKLAND</u>	
TRACTOR NO. <u>107</u>	TRANSPORTER <u>LUTREL</u>	
TRACTOR LIC. NO. <u>SP77277</u>	MANIFEST NO. <u>CA24690627</u>	
TRAILER LIC. NO. <u>4AC4555</u>	SERVICE ORDER NO. <u>051034884</u>	
BIN NUMBERS: <u>_____</u>	BIN TRACKING	

09/23/05

REG. (10)

74700 1b

1:53 PM 09/23/05
REG. (10)

74700 1b GROSS
27380 1b TARE
47320 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF FLAT BED

VIS	pH	SUL	CYA	FL	FLASH	20%
<u>+</u>	<u>7.81</u>	<u>-</u>	<u>-</u>	<u>N</u>	<u>N</u>	
OTHER:						

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #
	<u>NN</u>	<u>NN</u>				<u>NN</u>	<u>NN</u>	

DRUM NUMBER: 7399249

COMMENTS:

BIN DROP FULL:

MOVE
BIN TO:

DATE:

BY:

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

09/23/05
REG. (14)
77300 1b

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

2:00 PM 09/23/05
REG. (14)

77300 1b GROSS
30320 1b TARE
46980 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

APPROVAL NO. CW121700	GROSS WT. BY: Nick Nunew DEPUTY	DATE 9-23-05
DISPOSAL LOCATION 35-2 12-D-7	TARE WT. BY: Carlos Navarro DEPUTY	DATE 9/23/05
DRIVER'S NAME PRINTED: Tyrone Carr	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE: Tyrone Carr	GENERATOR: BOND CC GALLAND	
TRACTOR NO. 80	TRANSPORTER: Lutrel	
TRACTOR LIC. NO. SP58389	MANIFEST NO. 24690625	
TRAILER LIC. NO. 1WJ2184	SERVICE ORDER NO. DJ1034884	
BIN NUMBERS:	BIN TRACKING	

VIS	pH	SUL	CYA	FL	FLASH	20%	
+	6.91	-	-	N	N		
OTHER:							

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #
	NN	NN				NNN		

DRUM NUMBER: 7399252

COMMENTS:

BIN DROP FULL:

MOVE BY: DATE: BY:

3:12 PM 09/23/05
 REG. (36)
 INBOUND 64360 1b

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

APPROVAL NO. <i>CH121700</i>	GROSS WT. BY: <i>Carlos Navarero</i> DEPUTY <i>9/23/05</i> DATE
DISPOSAL LOCATION <i>35-2 12-D-7</i>	TARE WT. BY: <i>Ron Hono</i> DEPUTY <i>9/23/05</i> DATE
DRIVER'S NAME PRINTED <i>Scott Copenhagen</i>	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206
DRIVER'S NAME SIGNATURE <i>Scott J</i>	GENERATOR <i>Bond</i>
TRACTOR NO. <i>112</i>	TRANSPORTER <i>Lutrol</i>
TRACTOR LIC. NO. <i>SP77327</i>	MANIFEST NO. <i>24690626</i>
TRAILER LIC. NO. <i>1WJ2180</i>	SERVICE ORDER NO. <i>DJ1034884</i>
BIN NUMBERS:	BIN TRACKING

3:30 PM 09/23/05
 REG. (36)
 64360 1b GROSS
 31240 1b TARE
 33120 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%
<i>f</i>	<i>8.34</i>	<i>-</i>	<i>-</i>	<i>~</i>	<i>~</i>	
OTHER:						

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

DRUM NUMBER: *7398885*

COMMENTS:

BIN DROP FULL:

MOVE BIN TO: _____ DATE: _____ BY: _____

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

9/26/05
 IN BOUND 78040 1b
 12:35

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

12:47 PM 09/26/05
 REG. (100)

78040 1b GROSS
 30440 1b TARE
 47600 1b NET

APPROVAL NO. <i>PH121700</i>	GROSS WT. BY: <i>Carlos Navarro</i> DEPUTY	DATE <i>9/26/05</i>
DISPOSAL LOCATION <i>35-2 13-E-7</i>	TARE WT. BY: <i>Ack Nuncio</i> DEPUTY	DATE <i>09/26/05</i>
DRIVER'S NAME PRINTED <i>Tyrone Carr</i>	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE <i>Tyrone Carr</i>	GENERATOR <i>Bond</i>	
TRACTOR NO. <i>80</i>	TRANSPORTER <i>Lutrel</i>	
TRACTOR LIC. NO. <i>SP56389</i>	MANIFEST NO. <i>24690844</i>	
TRAILER LIC. NO. <i>W32184</i>	SERVICE ORDER NO. <i>DJ1034884</i> <i>DJ1034840</i>	
BIN NUMBERS:	BIN TRACKING	

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%
<i>+</i>	<i>6.90</i>	<i>-</i>	<i>-</i>	<i>~</i>	<i>~</i>	
OTHER:						

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

DRUM NUMBER: *7408126*

COMMENTS:

BIN DROP FULL:

MOVE BIN TO: _____ DATE: _____ BY: _____

No. 103142

09/26/05
REG. (21)
71120 1b

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

APPROVAL NO. <i>CH221700</i>	GROSS WT. BY: <i>Carlos Navarro</i> DEPUTY	DATE <i>9/26/05</i>
DISPOSAL LOCATION <i>35-214-D-7</i>	TARE WT. BY: <i>[Signature]</i> DEPUTY	DATE <i>9/26/05</i>
DRIVER'S NAME PRINTED <i>Randy Wheat</i>	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE <i>Randy Wheat</i>	GENERATOR <i>Bond</i>	
TRACTOR NO. <i>110</i>	TRANSPORTER <i>Lutrej</i>	
TRACTOR LIC. NO. <i>SP77288</i>	MANIFEST NO. <i>24690645</i>	
TRAILER LIC. NO. <i>1WL8616</i>	SERVICE ORDER NO. <i>DJ1034884</i>	
BIN NUMBERS:	BIN TRACKING	

2:50 PM 09/26/05
REG. (21)

71120 1b GROSS
30840 1b TARE
40280 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%	
<i>+</i>	<i>7.12</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>~</i>		
OTHER:							

DRUM NUMBER: *7409521*

COMMENTS:

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

BIN DROP FULL:
MOVE DATE RY

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

4:45 PM 09/26/05
REG. (33)

INBOUND 74760 1b

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

APPROVAL NO. CH121700	GROSS WT. BY: <i>Nick Nunn</i> DEPUTY	DATE 9/26/05
DISPOSAL LOCATION 35-2 14-E-7	TARE WT. BY: <i>Charles Navarre</i> DEPUTY	DATE 9/26/05
DRIVER'S NAME PRINTED <i>Adam Hill</i>	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE <i>A Hill</i>	GENERATOR <i>BOND</i>	
TRACTOR NO. 102	TRANSPORTER <i>LUTREZ</i>	
TRACTOR LIC. NO. 9D16719	MANIFEST NO. <i>CA24690648</i>	
TRAILER LIC. NO. 1WJ2182	SERVICE ORDER NO. <i>DJ1034884</i>	
BIN NUMBERS:	BIN TRACKING	

4:56 PM 09/26/05
REG. (33)

74760 1b GROSS
28940 1b TARE
45820 1b NET

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%
f	7.25	-	-	N	N	
OTHER:						

DRUM NUMBER: 7410474

COMMENTS:

BIN DROP FULL:

MOVE
BIN TO:

DATE:

BY:

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #
	DH	DH				DH		

No. 103127

1:10 PM 09/26/05
REG. (8)
INBOUND 78340 1b

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

1:22 PM 09/26/05
REG. (8)

78340 1b GROSS
30540 1b TARE
47800 1b NET

APPROVAL NO. <i>CH121700</i>	<i>Carlos Navarro</i> GROSS WT. BY: DEPUTY	DATE <i>9/26/05</i>
DISPOSAL LOCATION <i>35-2 13-E-7</i>	<i>Nick Nunun</i> TARE WT. BY: DEPUTY	DATE <i>9/26/05</i>
DRIVER'S NAME PRINTED <i>Mike Richardson</i>	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE <i>Mike Richardson</i>	GENERATOR <i>Bond</i>	
TRACTOR NO. <i>L111</i>	TRANSPORTER <i>Lutrel</i>	
TRACTOR LIC. NO. <i>SP77326</i>	MANIFEST NO. <i>24690650</i>	
TRAILER LIC. NO. <i>1WLR617</i>	<i>DJ 1034884</i> SERVICE ORDER NO. <i>DJ 1034884</i>	
BIN NUMBERS:	BIN TRACKING	

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%	
<i>+</i>	<i>6.98</i>	<i>-</i>	<i>-</i>	<i>~</i>	<i>~</i>		
OTHER:							

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

DRUM NUMBER: *7409925*

COMMENTS:

BIN DROP FULL:
MOVE DATE: _____ BY: _____

12:40 PM 09/26/05
 REG. (1)
 INBOUND 74120 1b

CLEANHARBORS BUTTONWILLOW, LLC WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster witness whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CLEANHARBORS BUTTONWILLOW, LLC

12:58 PM 09/26/05
 REG. (1)

74120 1b GROSS
 29920 1b TARE
 44200 1b NET

APPROVAL NO. <i>CH121700</i>	GROSS WT. BY: <i>Carlos Navarro</i> DEPUTY	DATE <i>9/26/05</i>
DISPOSAL LOCATION <i>35-213-E-7</i>	TARE WT. BY: <i>Mch Munn</i> DEPUTY	DATE <i>9/26/05</i>
DRIVER'S NAME PRINTED <i>J Thompson</i>	WEIGHING LOCATION: 2500 W. LOKERN ROAD BUTTONWILLOW, CA 93206	
DRIVER'S NAME SIGNATURE <i>[Signature]</i>	GENERATOR <i>Bond</i>	
TRACTOR NO. <i>108</i>	TRANSPORTER <i>Lutrel</i>	
TRACTOR LIC. NO. <i>Sp77236</i>	MANIFEST NO. <i>24690649</i>	
TRAILER LIC. NO. <i>1WJ 2180</i>	SERVICE ORDER NO. <i>DJ1034884</i>	
BIN NUMBERS:	BIN TRACKING	

END DUMP TRANSFER VACUUM VAN
 ROLL OFF - _____ FLAT BED _____

VIS	pH	SUL	CYA	FL	FLASH	20%	
<i>F</i>	<i>7.06</i>	<i>-</i>	<i>-</i>	<i>~</i>	<i>~</i>		
OTHER:							

IC	CR	PR	LAB 1	LAB 2	LAND TRACK	B. SCAN	WEIGHT TICKET DOC. ID #	MANIFEST DOC. ID #

DRUM NUMBER: *7408135*

COMMENTS:

BIN DROP FULL:

MOVE BIN TO: _____ DATE: _____ BY: _____

APPENDIX E

Compaction Testing

TABLE 1 - SUMMARY OF FIELD DENSITY TEST DATA by TREADWELL & ROLLO, INC.

Cox Cadillac - Project No. 3830.02

Prepared For: Levine Fricke (LFR)

Oakland, California

¹ Approximate field density test locations based on project coordinate system

² Elevations based provided during grading by LFR, based on Oakland City Datum.

³ As determined by ASTM D1557-00 laboratory compaction procedure

⁴ The ratio of the in-place dry density to the maximum dry density of the same material

Test No.	Test Location ¹	Date	Elevation (feet) ²	Dry Density (pcf)	Moisture Content (percent)	Maximum Dry Density (pcf) ³	Relative Compaction (percent) ⁴	Required Compaction (percent)	Comments
1	F.9/3.8	9/10/2005	6.5	131	9.6	138	95%	90	
2	H/3.5	9/10/2005	4.0	129	9.2	134	96%	90	
3	G.8/3.3	9/12/2005	5.0	128	9.7	134	96%	90	
4	H.2/3.2	9/12/2005	5.0	130	9.4	134	97%	90	
5	G.3/3.4	9/12/2005	5.5	128	7.7	134	96%	90	
6	H.5/3.2	9/14/2005	7.5	130	10.6	136	96%	90	
7	H.2/3.6	9/14/2005	7.5	130	11.3	136	96%	90	
8	G.0/3.5	9/14/2005	7.0	130	11.6	136	96%	90	
9	G.0/3.6	9/15/2005	8.5	130	9.8	136	96%	90	
10	H.3/3.5	9/15/2005	7.5	130	10.4	136	95%	90	
11	J.0/H.1	10/3/2005	-4.0	128	10.3	134	95%	90	
12	H.8/4.5	10/4/2005	-2.0	128	9.6	134	95%	90	
13	J.0/4.4	10/4/2005	-0.5	134	8.8	134	100%	90	
14	J.4/4.4	10/4/2005	1.0	133	9.8	134	99%	90	
15	J.4/4.7	10/5/2005	3.0	128	9.6	134	95%	95	
16	H.0/4.0	10/5/2005	3.5	128	10.0	134	96%	95	
17	J.5/4.5	10/5/2005	6.5	130	9.9	134	97%	95	
18	H.6/3.7	10/5/2005	6.5	127	9.7	134	95%	95	
19	H.5/4.5	10/5/2005	6.0	131	10.8	136	96%	95	
20	H.1/4.4	10/5/2005	8.0	131	10.1	136	96%	95	