



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: July 18, 2012 REFERENCE NO.: 581000

PROJECT NAME: 800 Franklin Street, Oakland

TO: Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California
94502-6577

RECEIVED

9:38 am, Jul 19, 2012

Alameda County
Environmental Health

Please find enclosed: Draft Final
 Originals Other
 Prints

Sent via: Mail Same Day Courier
 Overnight Courier Other Geotracker and ACEH ftp uploads

QUANTITY	DESCRIPTION
1	Down-Gradient Site Characterization Report

As Requested For Review and Comment
 For Your Use Review, Sign, and Return

COMMENTS:

Should you have any questions regarding the contents of the document, please contact Bryan Fong at (510) 420-3369. Thank you.

Copy to: Ms. Anny Chiu

Completed by: Bryan A. Fong
[Please Print]

Signed: 

Filing: **Correspondence File**

With respect to:

Down-Gradient Site Characterization Report

Dated 7/18/12

Fuel Leak Case No. RO0000196

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Tommy Chiu
Mr. Tommy Chiu

7/18/12
Date



DOWN-GRADIENT SITE CHARACTERIZATION REPORT

**CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA**

FUEL LEAK CASE NO. RO0000196

JULY 18, 2012
REF. NO. 581000 (13)
This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

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1.0 INTRODUCTION

On behalf of Mr. Tommy Chiu, Conestoga-Rovers & Associates (CRA) has prepared this *Down-Gradient Site Characterization Report* (Report) for the site located at 800 Franklin Street, Oakland, California (Figure 1). CRA advanced three hydropunch borings (B-7 through B-9) and installed one monitoring well (MW-7) to further assess the down-gradient extent of the hydrocarbon plume. The scope of work was performed in accordance with CRA's *Down-Gradient Site Characterization Work Plan*, dated October 12, 2010, and CRA's *Down-Gradient Site Characterization Work Plan Addendum*, dated April 25, 2011. These documents were approved by the Alameda County Environmental Health Agency (ACEH) in its letters dated November 8, 2010 and May 16, 2011. The site is referenced by ACEH as Fuel Leak Case No. RO0000196. Mr. Jerry Wickham is the ACEH Case Manager. A copy of the regulatory agency correspondence is provided in Appendix A. The site background, investigation activities, analytical results, and conclusions and recommendations are included below.

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The site is located in a commercial area, at the eastern corner of the intersection of 8th and Franklin Streets in Oakland, California (Figure 1). It is at an elevation of approximately 35 feet above mean sea level (amsl). The site presently has a two-story commercial building with a footprint over the entire lot (Figure 2). Retail stores currently operate on the ground floor with commercial offices above. The site is bound by commercial properties to the northeast and southeast, 8th Street to the southwest, and Franklin Street to the northwest.

Prior to 1989, the site operated as a gasoline service station. Previous investigations indicated that up to five underground storage tanks (USTs) previously existed at the site. The former USTs consisted of two 6,000-gallon gasoline USTs, one 550-gallon waste oil, and one 1,000-gallon solvent UST. These four USTs were installed circa 1970 (MES, 1989a) and subsequently removed in 1989. The 6,000-gallon USTs were formerly located in the northwest portion of the site, and the 550- and 1,000-gallon USTs were formerly located beneath the sidewalk along 8th Street. A potential fifth UST is presumed to have been located on the eastern portion of the site and removed prior to 1988; however, no documentation has been discovered regarding the size, contents, or removal of the UST.

2.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

The site is located within the Coast Range geomorphic province of California. In general, the Coast Range province consists of Jurassic eugeosynclinal basement rocks and Cretaceous and Cenozoic sedimentary and volcanic rocks that have been faulted and folded with a northwest-southeast trend. Sediments beneath the site consist of coalescing alluvial deposits from the Oakland-Berkeley Hills. According to the United States Geologic Survey (USGS) Professional Paper 943, the site is located on quaternary age alluvial deposits consisting of fine to medium-grained, unconsolidated, moderately sorted, and permeable, sand, silt, and clayey silt with thin beds of coarse sand.

The site is located in the East Bay Plain Sub-basin, Groundwater Basin No. 2-9.04 (DWR 2003). The East Bay Plain Sub-basin is a northwest trending alluvial basin, bounded on the north by San Pablo Bay, on the east by the contact with Franciscan basement rock, and on the south by the Nile Cone Groundwater Basin. The East Bay Plain Sub-basin extends beneath the San Francisco Bay to the west of the site. The East Bay Plain Sub-basin aquifer system consists of unconsolidated sediments of Quaternary age. Throughout most of the East Bay Plain in the vicinity of the site, groundwater flows from east to west, towards San Francisco Bay, and typically correlates with the general topography.

From 1860 to 1930, groundwater from the East Bay Plain was the major water supply for communities in the East Bay, before Sierra water was imported into the area. By the late 1920s, the groundwater supply was too small to meet the needs of a growing population and the wells often became contaminated by seepage or saltwater intrusion. By 1929, East Bay Municipal Utility District (EBMUD) provided imported water to East Bay communities via the Mokelumne Aqueduct. This high-quality, reliable supply soon eliminated the need for local groundwater wells. In 1996, the Regional Board reviewed General Plans for Oakland and other communities. They found that Oakland did not have any plans to develop local groundwater resources for drinking water, due to existing or potential saltwater intrusion, contamination, or poor or limited quality (Regional Board 1999).

2.3 LOCAL GEOLOGY AND HYDROGEOLOGY

Based on previous investigations, subsurface sediments consist predominantly of fine to medium-grained sand and silty sand to approximately 36 feet. Some sand-clay mixtures were encountered in boring B-4 (Frank Lee & Associates) on the western portion of the

site from 2 to 6 feet below ground surface (ft bgs), and northwest of the site from 15 to 18 ft bgs in boring MW-6. Geotechnical soil boring logs obtained from nearby Bay Area Rapid Transit District (BART) identified fine to medium-grained sand to 40 ft bgs underlain by a low permeability, hard, silty clay from approximately 40 to 70 ft bgs.

An unconfined water-bearing zone is present beneath the site at a depth of 20 ft bgs and with a thickness of approximately 20 feet. Since 1989, the groundwater table has fluctuated approximately 4 feet from 20 to 24 ft bgs. Groundwater beneath the site flows predominantly towards the northwest. The observed flow direction may potentially be influenced by the BART tunnels, running east-west beneath 8th and Franklin Streets between 27-32 ft bgs, and/or by groundwater pumping from the BART pump station No. 2, located approximately 550 feet southwest of the site.

2.4 SUMMARY OF PREVIOUS INVESTIGATIONS

Several phases of soil and groundwater assessments have been conducted at the site since the USTs were removed in 1989. Boring and well locations are presented on Figure 2.

May 1988: Frank Lee & Associates performed a geotechnical investigation at the subject site to determine soil characteristics for site grading and foundation design recommendations for the proposed three-story commercial building. Soil beneath the site was observed to consist of generally moist, medium dense, fine-grained silty sand to the total explored depth of 28.5 ft bgs. Tank backfill soil was observed to approximately 15.5 ft bgs in B-3 and to a minimum depth of 6 ft bgs in B-4. Frank Lee & Associates recommended excavating surface material “to a minimum depth of 2 feet and re-compact before placement of engineered fill or construction.” Soil samples were collected from 1 to 4 ft bgs for analysis of volatile organic compounds (VOCs); low to medium boiling point hydrocarbons; benzene, toluene, ethylbenzene, xylenes (BTEX); and total oil and grease (TOG). No detection of these analytes above the laboratory detection limits was reported. Soil analytical data is available in CRA’s *Site Conceptual Model* report, dated July 2, 2010.

August 1988: LW Environmental Services, Inc. performed a soil investigation, detecting gasoline hydrocarbon concentrations in the vicinity of the USTs.

June 1989: The Robert J. Miller Company removed four USTs: two 6,000-gallon gasoline tanks, one 550-gallon waste-oil tank, and one 1,000-gallon solvent tank. The Traverse Group Inc. (TGI) collected soil samples from beneath each tank and visually inspected

the condition of each tank upon removal. No obvious pitting or corrosion was reported. The two gasoline USTs were removed from one excavation area in the northwestern corner of the site. The waste-oil and solvent USTs were removed from one excavation area beneath in the sidewalk south of the site, along 8th Street. Approximately 10 cubic yards of soil was deemed contaminated by TGI and stockpiled onsite. Soil that TGI determined to be clean or only slightly impacted was also stockpiled onsite. Soil samples from the excavations and stockpiles were analyzed for total petroleum hydrocarbons (TPH) as gasoline (TPHg), as diesel (TPHd), as waste oil (TPHwo), and BTEX. Additionally, samples from the waste oil and solvent UST excavation were analyzed for purgeable organics and semi-volatile organic compounds (SVOCs). High levels of fuel hydrocarbon contamination were detected in the northeast corner of the northeastern excavation and in the waste oil/solvent UST excavation.

September - October 1989: Miller Environmental Company (MEC) performed a preliminary investigation to determine whether fuel detected in soil during UST excavation activities impacted groundwater. Two former tank pits were re-excavated to approximately 15 ft bgs and approximately 25 cubic yards of additional contaminated soil was removed. Confirmation soil samples were collected from the sidewalls and base of each overexcavation. The highest reported hydrocarbon levels in the northwestern overexcavated pit were 2.3 milligrams per kilogram (mg/kg) TPHg, 80 mg/kg TPHwo, 0.05 mg/kg toluene, and 0.14 mg/kg xylenes. TPHd, benzene, and ethylbenzene were not detected above laboratory detection limits in samples collected from the northwestern pit. The highest concentrations reported in the waste oil/solvent pit were 10,000 mg/kg TPHg, 250 mg/kg TPHd, 400 mg/kg TPHwo, 50 mg/kg benzene, 210 mg/kg toluene, 54 mg/kg ethylbenzene, and 270 mg/kg xylenes. Further overexcavation in the waste oil/solvent pit was not possible due to the proximity of 8th Street and interfering utilities along the southern edge of this excavation. An estimated 32 cubic yards of contaminated soil was hauled to a Class I disposal facility. The northwestern pit was backfilled with a combination of clean fill and re-used "uncontaminated soil" from the initial excavation of the two gasoline USTs. This re-used fill was intended to be temporary and to be removed when construction took place on the property. The waste oil/solvent pit was backfilled with clean fill. In addition, monitoring wells MW-1, MW-2, and MW-3 were installed as part of this investigation. Analytical results from these borings and wells indicated soil and groundwater from boring MW-1 was not impacted by hydrocarbons. Impacted soil was detected in offsite borings MW-2 and MW-3, between 20 to 25 ft bgs. Groundwater was first encountered in each borehole at approximately 25 ft bgs. The groundwater flow direction was calculated to the west-northwest at a gradient of 0.006.

Early 1991: Construction of the existing building on site began in early 1991. It is reported that the ACEH concurred with MEC's conclusion that soil excavation in the 6,000-gallon UST pit was successful in removing all but minor residual hydrocarbon contamination. As a result, no objections were raised to construction activities on site. Monitoring well MW-1 was preserved in the construction process and remains accessible inside the building.

September - October 1991: MEC conducted a subsurface investigation to further define the lateral extent of offsite hydrocarbon contamination. On September 11, 1991, boring B-1 was advanced and soil samples were collected. On October 2 and 3, 1991, three borings B-2, MW-4, and MW-5 were advanced, soil samples were collected, and two monitoring wells were constructed. Groundwater was first encountered in each borehole at approximately 25 ft bgs. No hydrocarbons were detected in soil samples collected above 20 ft bgs. However, soil samples from 25 ft bgs in boreholes B-1 and B-2 detected TPHg, Total Recoverable Petroleum Hydrocarbons (TRPH), TPHd, and toluene. On October 31, 1992, groundwater was sampled from wells MW-1 through MW-5. Approximately 1/8-inch of light non-aqueous phase liquid (LNAPL) was observed in well MW-2. Groundwater analytical results indicated very low to moderate concentrations of TPHg, TPHd, BTEX, and 1,2-dichloroethane (1,2-DCA) in monitoring wells MW-1, MW-2, and MW-3. No TOG was detected above laboratory detection limits in any of the wells. Also detected in well MW-3 were 1,2-dichloropropane at 0.0007 parts per million (ppm) and 1,1,1-trichloroethane (1,1,1-TCE) at 0.0014 ppm. No hydrocarbons were detected in groundwater from offsite wells MW-4 and MW-5. However, very low levels of chloroform were detected in these two wells. See Table 2 for historical groundwater analytical results.

May 1997: On May 15, 1997, Associated Terra Consultants, Inc. (ATC) installed monitoring well MW-6. Soil samples were collected and analyzed. Soil samples had detectable concentrations of TPHd, BTEX, and methyl tertiary butyl ether (MTBE). TPHd was detected in soil at 10 ft bgs. BTEX were detected in soil at 25 ft bgs. MTBE was detected in soil at 30 ft bgs. See Table 3 in CRA's *Site Conceptual Model* report, dated July 2, 2010 for soil analytical results. Groundwater was first encountered at approximately 22.5 ft bgs. On May 21, 1997 ATC performed groundwater monitoring and sampling of all six site monitoring wells.

November-December 2006: On November 17, 2006, Cambria Environmental Technology, Inc. (Cambria) installed soil vapor probes VP-1 and VP-2 in the city sidewalks along Franklin and 8th Streets, respectively. Soil samples were collected from each soil vapor probe location at approximately 5 ft bgs. These samples were analyzed for TPHg, TPHd, and TPHmo by EPA Method 8015C; BTEX and MTBE by

EPA Method 8021 B, and 1,2-DCA and chloroform by EPA Method 8260. Low levels of TPHd and TPHmo concentrations were detected in soil sample VP-1-5.5 at 4.0 and 6.9 mg/kg, respectively. Based on these results, Cambria concluded the upper 5.5 feet of soil at locations VP-1 and VP-2 has little to no hydrocarbon impact.

On December 28, 2006, Cambria returned to the site to collect vapor samples from VP-1 and VP-2. The samples were analyzed, in accordance with the approved July 24, 2006 *Work Plan*, for benzene and tracer (leak detection) compounds isobutene, butane, and propane by modified EPA Method TO-15. No concentrations of benzene or the tracer compounds were detected.

January-February 2007: Since 2004, monitoring well MW-3 has been filled with debris and inaccessible. ACEH requested that this well be decommissioned and rebuilt. On January 29, 2007, Cambria destroyed well MW-3 by pressure grouting. To replace MW-3, Cambria returned to the site on February 8, 2007 to install well MW-3A. This work was performed in accordance with the approved July 24, 2006 *Work Plan*.

July 2007: On July 25, 2007, CRA collected a second round of vapor samples from soil vapor wells VP-1 and VP-2. Each sample was analyzed by EPA Method TO-15 GC/MS for benzene and the full VOC target list. No concentrations of benzene or tracer compounds were detected. The only chemicals detected were 2-butanone (methyl ethyl ketone), 2,2,4-Trimethylpentane, Freon 12, Acetone, and Tetrachloroethane. Detections did not exceed Regional Water Quality Control Board – San Francisco Bay Region Environmental Screening Levels (ESLs) for any of the chemicals with an established ESL.

Groundwater Monitoring: Groundwater monitoring was initially conducted from October 1989 through 2000, and from 2004 through October 2006. Due to some missing project files, the entire monitoring and sampling history is unknown. Groundwater is currently monitored on a semi-annual basis.

3.0 SITE INVESTIGATION ACTIVITIES

The objective of this investigation was to further characterize the hydrocarbon plume down-gradient of the source area. CRA coordinated and oversaw the drilling of three hydropunch borings (B-7 through B-9) and the collection of three grab-groundwater samples on March 11-12, 2011. Analytical data from the grab-groundwater samples was then used to determine the location of the additional proposed monitoring well MW-7. MW-7 was installed on May 22-23, 2012. Below is a summary of the investigation and well installation activities.

Personnel Present: The three hydropunch borings were drilled and sampled by CRA Senior Staff Geologist Bryan Fong and Vapor Tech Services (VTS), a C-57 licensed drilling subcontractor of Berkeley, California, on March 11-12, 2011. Installation of monitoring well MW-7 on May 22-23, 2012 was performed by CRA Staff Geologists Andrew Renshaw and Tarah Kirnan and VTS. All fieldwork was overseen by CRA's Senior Project Geologist Robert Foss, a California Professional Geologist (PG #7445).

Permits: Prior to the drilling of the three hydropunch borings and installation of MW-7, CRA obtained a boring and well permit from the ACEH. Additionally, CRA obtained obstruction, excavation, and encroachment permits from the City of Oakland. Copies of all permits are presented in Appendix C.

Underground Service Alert and Utility Survey: Prior to drilling activities, CRA marked the proposed boring and well locations with white paint and notified underground service alert (USA) to have subsurface utilities marked. CRA retained Underground Location Services (ULS) Corporation of San Diego, California, to locate utilities that may not have been marked by USA and to further verify the proposed boring and well locations. On March 11-12, 2011 the first 8-feet of each hydropunch boring was cleared for utilities by hand auger, and on May 22, 2012 the first 8 feet of monitoring well MW-7 was cleared for utilities by air knifing. Air knife services were provided by VTS.

Drilling Details: VTS advanced hydropunch borings B-7 through B-9, on March 11-12, 2011. The borings were advanced to approximately 27 ft bgs using a direct push drilling rig, equipped with 3.5-inch diameter drilling rods. No soil samples were collected or analyzed from these three borings.

On May 22-23, 2012, CRA installed monitoring well MW-7 to a depth of 35 ft bgs. The monitoring well was installed using a hollow stem auger drilling rig, equipped with 8-inch diameter augers. All drilling activities were performed by VTS (C57 License No. 916085) under CRA's supervision. No soil samples were collected or analyzed from MW-7, either.

Grab-Groundwater Sampling and Analysis: Grab-groundwater samples were collected from hydropunch borings B-7 through B-9. The borings were drilled to approximately 27 ft bgs, then drilling rods were retracted from the bottom 4 feet of the boring to expose a stainless steel screen. The grab-groundwater samples were then collected using a new clean disposable bailer. The samples were collected in the appropriate laboratory-supplied containers, labeled, placed in an ice-chilled cooler, and transported under chain-of-custody (COC) manifest to McCampbell Analytical (McCampbell) of

Pittsburg, California. CRA's standard field procedures for soil boring and monitoring well installation are presented in Appendix B.

Grab-groundwater samples were analyzed for TPHg by EPA Method 8015Bm and BTEX by EPA Method 8021B.

Monitoring Well Installation: Monitoring well MW-7 was constructed using 2-inch diameter, schedule 40 polyvinyl chloride (PVC) casing with 0.010-inch slot-screen from 18 to 35 fbg. Monterey Sand #2/16 was used as a filter pack from the bottom of the boring to 2-feet above the top of screen intervals. A two-foot thick bentonite seal was placed above the sand pack from 14 to 16 fbg. The remainder of the annular space was filled with neat Portland Type I/II cement to grade. A traffic rated well box was installed on the monitoring well, flush with the ground surface. Well construction details are shown on Table 1 and the boring log for MW-7 is presented in Appendix D. CRA's standard field procedures for soil boring and monitoring well installation are presented in Appendix B.

Well Development, Sampling, and Analysis: VTS developed MW-7 on June 8, 2012 using a surge block and purge method to remove fine-grained particles and increase hydraulic conductivity to the well. Well development data sheets are provided in Appendix F.

Monitoring well MW-7 was gauged and sampled on June 25, 2012 by Muskan Environmental Sampling (MES) of Yuba City, CA. Field activities associated with groundwater sampling included low flow well purging, measuring groundwater parameters and sample collection. Well MW-7 was purged prior to sampling by placing the clean intake tube of a peristaltic pump approximately 1 foot below the initial water level. Depth to water was measured prior to, during, and at the termination of low-flow purging, and also immediately prior to sample collection. Temperature, pH, specific conductivity, oxygen reduction potential (ORP), and dissolved oxygen (DO) were measured initially and at regular volume intervals. Well purging continued until consecutive pH, specific conductivity, and temperature measurements were relatively stable. Groundwater samples were collected using the peristaltic pump and decanted into the appropriate laboratory-supplied containers, labeled, placed in an ice-chilled cooler, and transported under COC manifest to McCampbell. Groundwater samples were analyzed for TPHg by EPA Method 8015Bm, BTEX by EPA Method 8021B, and TPHd by EPA Method 8015B with silica gel clean-up. The analytical results are presented on Table 2 and summarized on Figure 3. The analytical lab report is presented in Appendix E and the field data sheets are provided in Appendix F.

Monitoring Well Survey: On June 8, 2012, monitoring well MW-7 was surveyed by Virgil Chavez Land Surveying, of Vallejo, California (a California-licensed land surveyor, #6323). The latitude, longitude, and top of casing elevation coordinates were based on the California State Coordinate System, Zone III (NAD83) and benchmark elevation 33.84 feet (NGVD 29). A copy of the well survey report is presented in Appendix G.

Investigation Derived Waste: Soil cuttings and rinseate water from the March 11-12, 2011 investigation were temporarily stored in 55-gallon steel drums. American Integrated Service, Inc (AIS) transported one 55-gallon drum of rinseate water to Crosby & Overton, Inc of Long Beach, CA for disposal, and one 55-gallon drum of soil to Soil Safe of California, Inc, of Adelanto, CA for disposal.

Soil cuttings and rinseate water generated during the May 22-23, 2012 well installation activities were also temporarily stored in 55-gallon steel drums and transported by Environmental Logistics, Inc (ELI) of Hayward, CA to Filter Recycling Services, Inc of Rialto, CA for disposal.

Waste water generated from the June 8, 2012 well development activities was stored in two 55-gallon steel drums and transported by ELI to Filter Recycling Services, Inc of Rialto, CA for disposal. Waste manifests for the transportation of investigation derived waste related to the site activities are presented in Appendix H.

4.0 CURRENT INVESTIGATION RESULTS

The groundwater analytical results from the grab groundwater samples collected from soil borings B-7 through B-9, and the groundwater samples collected from monitoring well MW-7 are presented below.

4.1 GRAB-GROUNDWATER SAMPLE RESULTS

- No TPHg or BTEX was detected in grab groundwater samples B-7 and B-8
- Only toluene was detected in grab groundwater sample B-9 at a concentration of 3 µg/L.

Analytical results are presented on Table 2 and summarized on Figure 3. The laboratory analytical reports and COC documents are presented in Appendix E.

4.2 GROUNDWATER SAMPLING RESULTS

- No TPHd, TPHg, BTEX, or MTBE were detected in well MW-7.

Groundwater monitoring and analytical data is presented on Table 2 and summarized on Figure 3. A copy of the field data sheets are presented in Appendix F.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

Based on the findings of this investigation, CRA offers the following conclusions:

- No hydrocarbons were detected in grab groundwater samples B-7 through B-9, or well sample MW-7, except for a very low concentration (3.0 µg/L) of toluene in B-9. Based on results of the grab groundwater samples B-7 through B-8 and well sample MW-7, the plume appears to be adequately defined down-gradient of the source area.

5.2 RECOMMENDATIONS

- CRA recommends further groundwater monitoring and sampling of MW-7 over a full hydrologic cycle to verify the hydrocarbon concentration levels and trends. The next groundwater monitoring and sampling event is scheduled for the third quarter of 2012.

6.0 REFERENCES

California Department of Water Resources (DWR), 2003, *Bulletin 118 - California's Groundwater*.

Regional Water Quality Control Board, San Francisco Bay Region - Groundwater Committee, 1999. *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report*. June.

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MEC, 1989b. *Update on 800 Franklin Street in Oakland*, 800 Franklin Street, Oakland, California. October 9, 1989.

MEC, 1989c. *Report on Subsurface Investigation and Remediation of Contaminated Soil*, 800 Franklin Street, Oakland, California. November 3, 1989 Draft Edition.

MEC, 1992. *Report on Subsurface Investigation, Related to Well Installation and Borings*, 800 Franklin Street, Oakland, California. January 20, 1992.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



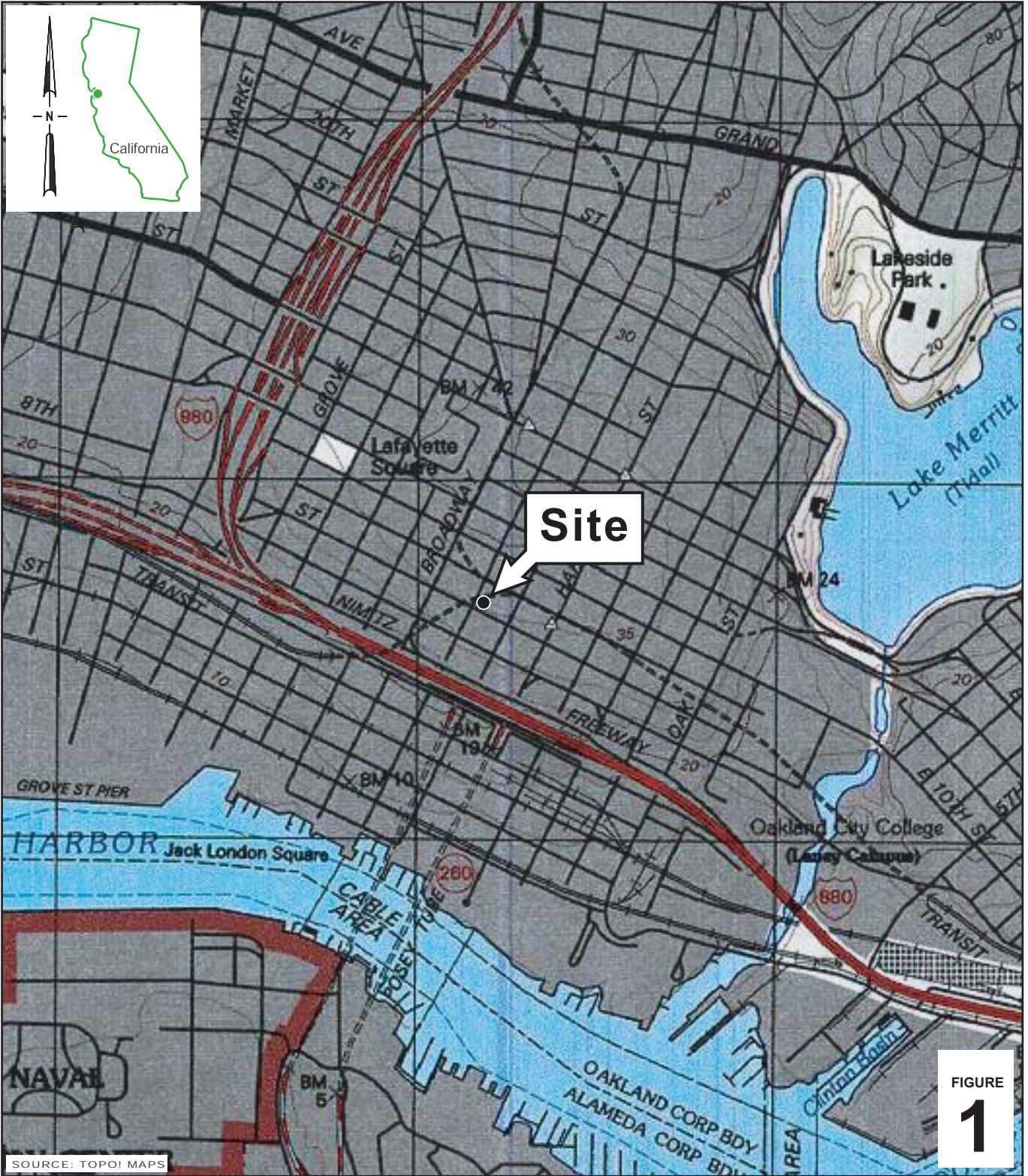
Tarah J. Kirnan



Robert Foss, P.G.

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FIGURES



I:\SFO-S1\SHARED\CHIU PROPERTY\FIGURES\VICINITY-MAP.A1

FIGURE
1

0 1/8 1/4 1/2 1
SCALE : 1" = 1/4 MILE

Chiu Property
800 Franklin Street
Oakland, California



Vicinity Map

LEGEND

- MONITORING WELL LOCATION
- HYDROPUNCH SOIL BORING LOCATION
- SOIL SAMPLE LOCATION
- SOIL BORING LOCATION (Miller Environmental Co., 1991)
- ⊕ APPROXIMATE SOIL BORING (BART 1963)
- ▲ SOIL VAPOR PROBE (Cambria, 2006)
- SOIL BORING LOCATION (Frank Lee and Associates, 1988)

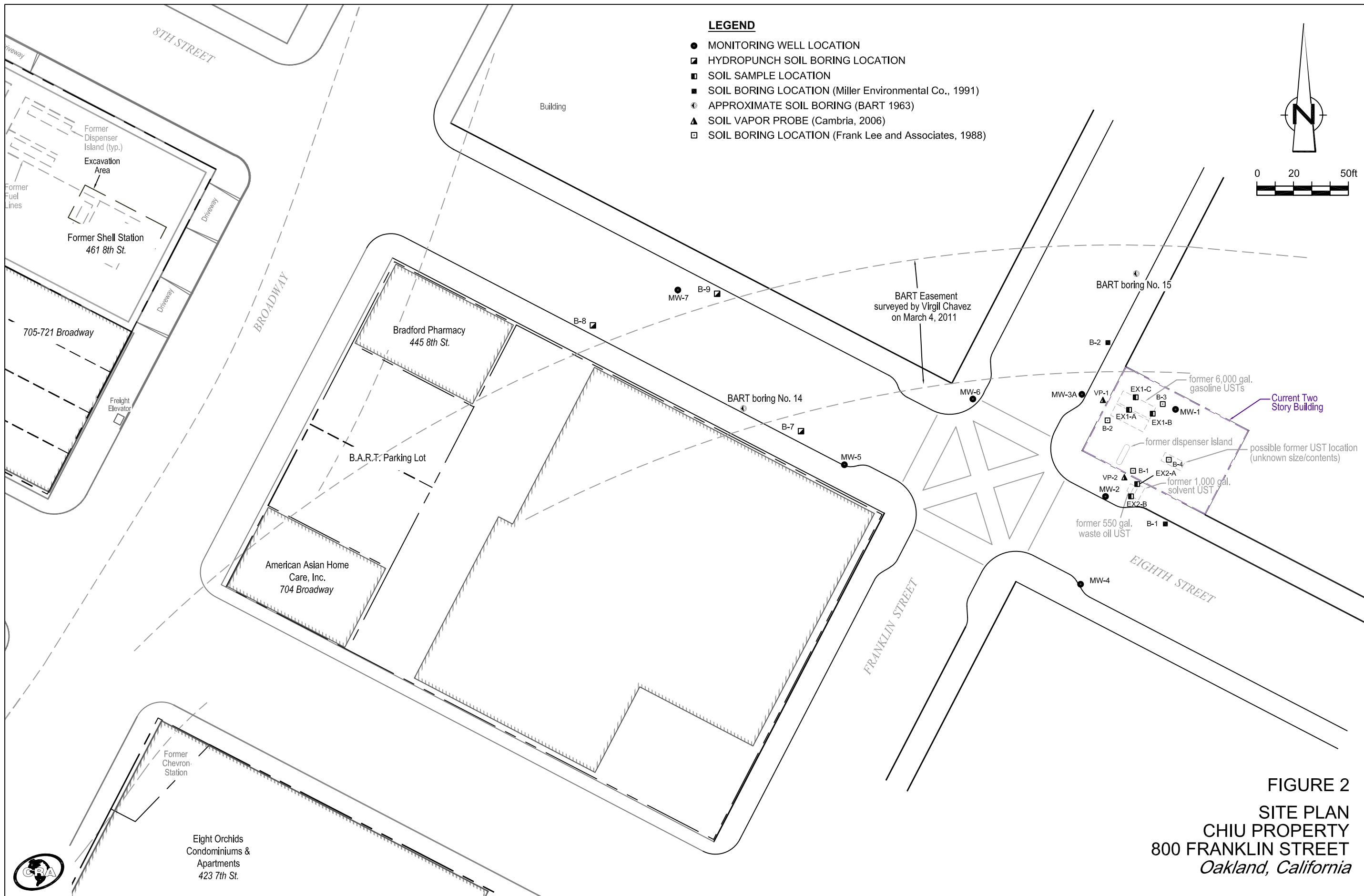
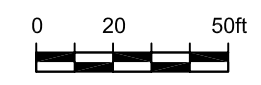
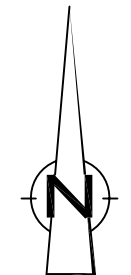


FIGURE 2
SITE PLAN
CHIU PROPERTY
800 FRANKLIN STREET
Oakland, California



Eight Orchids
 Condominiums &
 Apartments
 423 7th St.

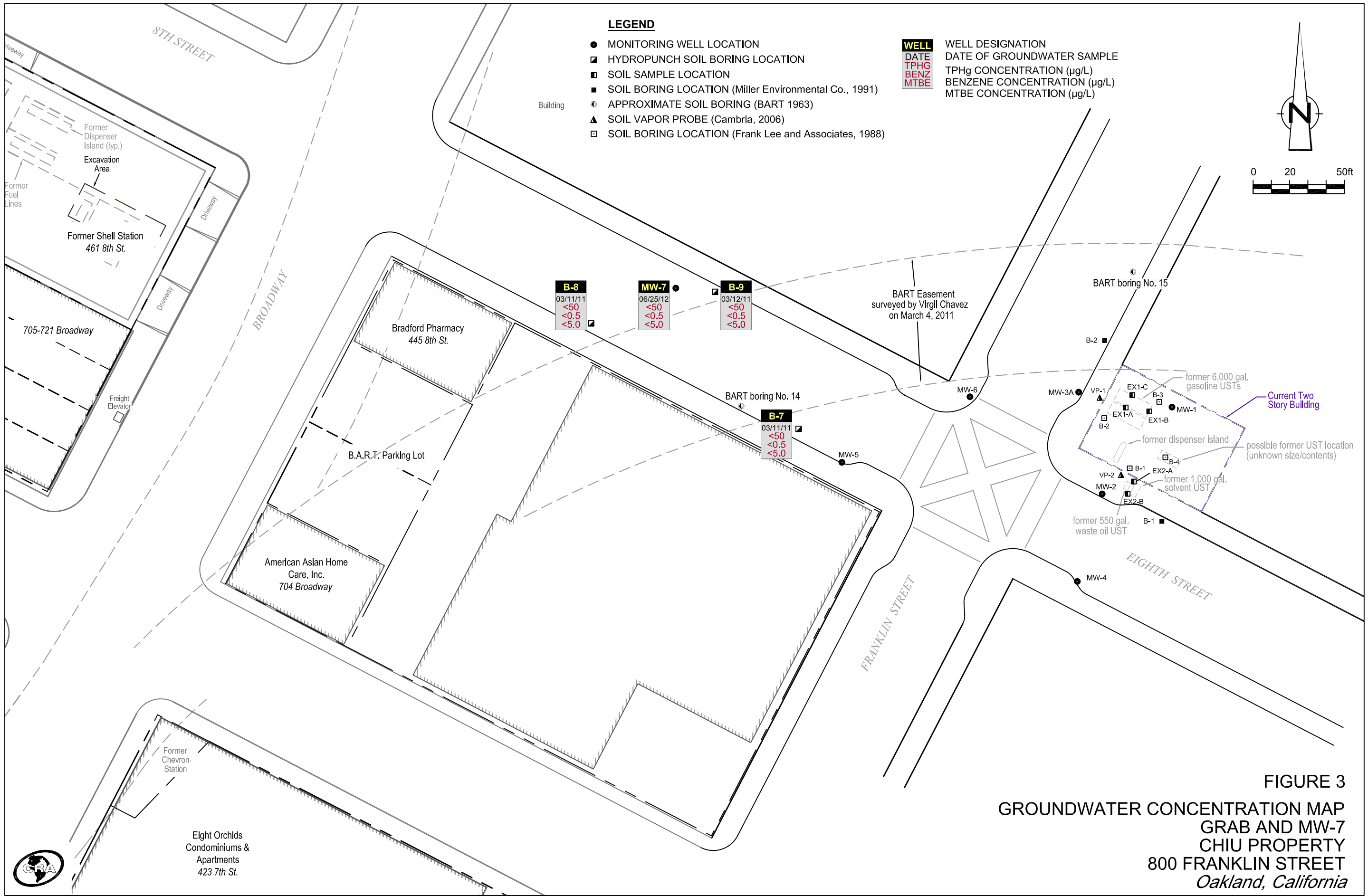


FIGURE 3
GROUNDWATER CONCENTRATION MAP
GRAB AND MW-7
CHIU PROPERTY
800 FRANKLIN STREET
Oakland, California



TABLES

**WELL CONSTRUCTION DETAILS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date Installed</i>	<i>Borehole Depth (ft)</i>	<i>Borehole Diameter (in)</i>	<i>Casing Diameter (in)</i>	<i>Screen Interval (ft bgs)</i>	<i>Screen Size (in)</i>	<i>Filter Pack (ft bgs)</i>	<i>Bentonite Seal (ft bgs)</i>	<i>Cement Seal (ft bgs)</i>	<i>TOC Elevation (ft msl)</i>
MW-1	1989	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	16.0 - 18.0	0 - 16.0	33.42
MW-2	1989	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	16.0 - 18.0	0 - 16.0	33.66
	Installed: 1989									
MW-3*	Destroyed: 1/29/07	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	16.0 - 18.0	0 - 16.0	34.23
MW-3A	2/8/2007	35.0	10.0	4	20.0 - 35.0	0.010	19.0 - 35.0	17.0 - 19.0	0 - 17.0	34.16
MW-4	10/2/1991	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	-	0 - 18.0	33.64
MW-5	10/3/1991	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	-	0 - 18.0	33.56
MW-6	5/15/1997	35.0	8.0	2	14.5 - 36.25	0.010	14.5 - 36.25	12.5 - 14.5	0 - 12.5	33.98
MW-7	5/23/2012	35.0	8.0	2	18.0 - 35.0	0.010	16.0 - 35.0	14.0 - 16.0	0 - 14.0	33.49

Abbreviations/Notes

ft = feet

in = inches

ft bgs = feet below grade surface

ft msl = feet above mean sea level

TOC = top of casing

* = Monitoring well MW-3 properly destroyed on January 29, 2007 by Cambria.

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
 CHIU PROPERTY
 800 FRANKLIN STREET
 OAKLAND, CALIFORNIA

Well ID	TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene µg/L	Xylenes	MTBE	Chloroform	1,2-DCA
MW-1		10/12/1989	22.87	10.55	ND	--	--	ND	ND	ND	ND	--	0.8	8.6
	33.42	10/31/1991	--	--	630	960	1,700	3.2	ND<0.5	ND<0.5	130	--	--	0.0098
	34.89	10/21/1992	23.48	11.41	520	--	--	78	38	ND<0.5	120	--	--	ND
		2/25/1993	22.51	12.38	1,600	--	--	160	190	34	350	--	--	--
		4/27/1993	22.36	12.53	380	--	--	5.2	ND<0.5	ND<0.5	74	--	--	--
		10/7/1993	--	12.10	1,000	--	--	81	150	47	230	--	--	--
	33.98	3/28/1994	--	11.91	460	--	--	14	25	14	39	--	--	--
		4/29/1994	--	--	--	--	--	--	--	--	--	--	--	--
		6/10/1994	--	11.66	--	--	--	--	--	--	--	--	--	--
		7/8/1994	--	11.62	--	--	--	--	--	--	--	--	--	--
		7/26/1994	--	11.48	--	--	--	--	--	--	--	--	--	--
		8/25/1994	--	11.47	--	--	--	--	--	--	--	--	--	--
		10/27/1994	22.51	11.47	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		1/6/1995	--	12.08	--	--	--	--	--	--	--	--	--	--
		2/1/1995	--	12.79	--	--	--	--	--	--	--	--	--	--
		3/29/1995	--	12.75	--	--	--	--	--	--	--	--	--	--
		10/31/1995	--	12.48	1,400	--	--	15	38	49	510	19	--	--
		5/21/1997	--	12.49	150	--	--	2.9	1.5	8.6	26	ND<5.0	--	--
		8/10/2004	23.35	10.63	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		9/28/2004É	--	--	--	--	--	--	--	--	--	--	--	--
		12/21/2004	22.93	11.05	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		3/11/2005É	--	--	--	--	--	--	--	--	--	--	--	--
		6/16/2005	20.68	13.30	ND<50	--	--	0.64	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		9/1/2005	20.74	13.24	ND<50	--	--	1.2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		12/16/2005	20.95	13.03	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		3/10/2006	20.34	13.64	ND<50	--	--	0.60	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		9/15/2006	21.51	12.47	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	6.4	ND<0.5
		3/8/2007	21.81	12.17	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	0.72	ND<0.5	ND<5.0	6.9	ND<0.5
		9/17/2007	22.08	11.90	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	2.3	ND<0.5	ND<0.5	4.7	ND<0.5
		3/4/2008	21.72	12.26	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5
		9/3/2008	22.70	11.28	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.98	ND<0.5
		3/4/2009	22.49	11.49	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65
		9/8/2009	22.80	11.18	ND<50	ND<50	ND<250	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5	ND<0.5
		3/19/2010	22.25	11.73	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	0.58
		9/3/2010	22.51	11.47	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	1.2	ND<0.5
		3/4/2011	22.10	11.88	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5
		8/22/2011	22.23	11.75	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5
		3/5/2012	22.61	11.37	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
MW-2		10/12/1989	23.25	10.40	38,000	--	3,900	1,300	1,200	ND	4,700	--	--	--
	33.66	10/31/1991	--	--	10,000	1,500	--	1,800	1,200	270	960	--	--	0.17
		11/6/1991	24.02	9.64	--	--	--	--	--	--	--	--	--	--
		10/21/1992	22.42	11.24	270,000	--	--	9,700	4,500	9,600	56,000	--	--	15.4

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
 CHIU PROPERTY
 800 FRANKLIN STREET
 OAKLAND, CALIFORNIA

Well ID	TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene µg/L	Xylenes	MTBE	Chloroform	1,2-DCA
MW-2 (cont.)		2/25/1993	21.50	12.16	49,000	--	--	4,300	11,000	1,300	9,100	--	--	--
		4/27/1993	21.26	12.40	39,000	--	--	1,400	4,000	220	5,200	--	--	--
		10/7/1993	--	12.04	50,000	--	--	2,700	8,100	940	7,800	--	--	--
		3/28/1994	--	11.88	20,000	--	--	360	1,300	220	1,800	--	--	--
		4/29/1994	--	11.87	--	--	--	--	--	--	--	--	--	--
		6/10/1994	--	11.44	--	--	--	--	--	--	--	--	--	--
		7/8/1994	--	11.42	--	--	--	--	--	--	--	--	--	--
		7/26/1994	--	11.22	--	--	--	--	--	--	--	--	--	--
		8/25/1994	--	11.01	--	--	--	--	--	--	--	--	--	--
		10/27/1994	22.66	11.00	21,000	--	--	1,200	3,700	600	4,300	--	--	--
		1/6/1995	--	11.66	--	--	--	--	--	--	--	--	--	--
		2/1/1995	--	12.21	--	--	--	--	--	--	--	--	--	--
		3/29/1995	--	12.66	--	--	--	--	--	--	--	--	--	--
		10/31/1995	--	11.51	45,000	--	--	3,100	8,800	1,200	8,400	810	--	--
		5/21/1997	--	12.65	18,000	--	--	1,400	4,200	680	3,600	370	--	--
		8/10/2004	21.03	12.63	47,000 (a)	--	--	4,200	4,900	1,400	6,000	ND<500	--	--
		9/28/2004	22.95	10.71	--	--	--	--	--	--	--	--	--	--
		12/21/2004	20.91	12.75	13,000 (a)	--	--	500	310	34	1,600	ND<100	--	--
		3/11/2005	11.35	22.31	32,000 (a)	--	--	970	2,400	890	4,200	ND<1,000	--	--
		6/16/2005	20.50	13.16	43,000 (a,i)	--	--	1,500	3,400	1,200	5,400	ND<1,200	--	--
		9/1/2005	20.60	13.06	20,000 (a)	--	--	640	1,700	460	2,200	ND<200	--	--
		12/16/2005	20.83	12.83	32,000 (a,i)	--	--	1,000	3,100	760	3,800	ND<500	--	--
		3/10/2006	20.05	13.61	20,000 (a)	--	--	460	1,900	440	2,400	ND<400	--	--
		9/15/2006	21.31	12.35	43,000 (a)	3,100 (d)	ND<250	1,600	4,400	1,100	5,100	ND<500	16	ND<10
		3/8/2007	21.62	12.04	30,000 (a,h)	4,600 (d,h)	ND<1,200	1,200	3,400	890	4,500	ND<500	ND<50	ND<50 (j,h)
		9/17/2007	21.92	11.74	31,000 (a)	6,600 (d,b)	340	790	3,000	700	3,100	ND<100	ND<100	ND<100
		3/4/2008	--	--	--	--	--	--	--	--	--	--	--	--
		9/3/2008	22.50	11.16	46,000 (a)	5,100 (d)	370	1,700	8,600	1,400	7,500	ND<250	ND<250	ND<250
		3/4/2009	22.25	11.41	56,000 (a)	13,000 (d)	1,100	1,500	5,300	990	4,500	ND<10	ND<10	ND<10
		9/8/2009	22.60	11.06	42,000 (a)	11,000 (d)	1,200	1,400 (1,200)	5,200 (4,900)	970 (890)	5,500 (4,900)	ND<100 (ND<100)	ND<0.5	ND<100
	33.75	3/19/2010 **	21.96	11.70	30,000 (a,h)	12,000 (d,h)	--	(1,000)	(3,500)	(980)	(4,500)	(ND<50)	ND<5.0	ND<5.0
		9/3/2010	22.30	11.45	9,500 (a)	1,500 (d)	--	(320)	(290)	(140)	(970)	(ND<12)	ND<12	ND<12
		3/4/2011	21.85	11.90	12,000 (a)	2,200 (d)	--	(610)	(430)	(290)	(1,400)	(ND<25)	ND<25	ND<25
	8/22/2011	22.04	11.71	7,900 (a)	1,300 (d)	--	(320)	(270)	(170)	(1,400)	(ND<12)	ND<0.5	ND<12	
	3/5/2012	22.32	11.43	18,000(a)	1,400 (d)	--	1,200	930	560	2,100	ND<500	--	--	
MW-3	10/12/1989	24.02	10.21	87,000	--	4,500	3,200	8,800	ND	6,500	--	--	70.0	
34.23	10/31/1991	--	--	310,000	25,000	--	9,300	25,000	5,600	27,000	--	--	0.058	
	11/6/1991	23.52	10.71	--	--	--	--	--	--	--	--	--	--	
	10/21/1992	23.32	10.91	22,000	--	--	10,000	4,300	790	2,100	--	--	ND	
	2/25/1993	22.51	11.72	29,000	--	--	8,400	5,400	1,300	3,300	--	--	--	
	4/27/1993	22.37	11.86	50,000	--	--	8,200	8,700	1,000	5,400	--	--	--	
	10/7/1993	--	14.19	1,700	--	--	3,100	3,700	400	1,700	--	--	--	

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 OAKLAND, CALIFORNIA

Well ID	TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene µg/L	Xylenes	MTBE	Chloroform	1,2-DCA
MW-3 (cont.)		3/28/1994	--	11.52	53,000	--	--	3,900	4,600	710	2,500	--	--	--
		4/29/1994	--	11.34	--	--	--	--	--	--	--	--	--	--
		6/10/1994	--	11.13	--	--	--	--	--	--	--	--	--	--
		7/8/1994	--	11.09	--	--	--	--	--	--	--	--	--	--
		7/26/1994	--	10.94	--	--	--	--	--	--	--	--	--	--
		8/25/1994	--	10.80	--	--	--	--	--	--	--	--	--	--
		10/27/1994	23.56	10.67	8,500	--	--	2,700	2,700	490	2,000	--	--	--
		1/6/1995	--	11.33	--	--	--	--	--	--	--	--	--	--
		2/1/1995	--	11.79	--	--	--	--	--	--	--	--	--	--
		3/29/1995	--	12.10	--	--	--	--	--	--	--	--	--	--
		10/31/1995	--	11.23	19,000	--	--	4,400	4,600	720	2,900	410	--	--
		5/21/1997	--	11.68	4,000	--	--	810	840	190	690	ND<100	--	--
		9/28/2004						Well is damaged. Unable to measure depth to water or collect sample.						
		12/21/2004						Well is damaged. Unable to measure depth to water or collect sample.						
		3/11/2005						Well is damaged. Unable to measure depth to water or collect sample.						
		6/16/2005						Well is damaged. Unable to measure depth to water or collect sample.						
		9/1/2005						Well is damaged. Unable to measure depth to water or collect sample.						
		12/16/2005						Well is damaged. Unable to measure depth to water or collect sample.						
		3/10/2006						Well is damaged. Unable to measure depth to water or collect sample.						
		9/15/2006						Well is damaged. Unable to measure depth to water or collect sample.						
	1/29/2007						Well properly destroyed by Cambria.							
MW-3A		1/29/2007					MW-3A replaces MW-3							
34.16		3/8/2007	22.42	11.74	30,000 (a,i)	1,700 (d,i)	ND<250	2,600	4,400	710	4,600	ND<1,000	ND<50	ND<50 (j)
		9/17/2007	22.65	11.51	9,800 (a)	980 (d)	ND<250	1,100	1,800	270	1,100	ND<25	ND<25	ND<25
		3/4/2008	22.31	11.85	21,000 (a,i)	1,700 (d,i)	ND<250	2,600	5,000	810	3,500	ND<50	ND<50	ND<50
		9/3/2008	23.11	11.05	13,000 (a)	880 (d)	ND<250	1,400	2,100	370	1,500	ND<50	ND<50	ND<50
		3/4/2009	22.98	11.18	12,000 (a)	810 (d)	ND<250	1,000	1,700	330	1,200	ND<5.0	7.9	7.2
		9/8/2009	23.25	10.91	8,900 (a)	780 (d)	ND<250	870 (830)	1300 (1,200)	260 (200)	1100 (880)	ND<25 (ND<25)	6.3	ND<25
		3/19/2010	22.79	11.37	16,000 (a)	1,700 (d)	--	(1,900)	(3,200)	(620)	(2,800)	(ND<50)	ND<5.0	10
		9/3/2010	23.02	11.14	35,000 (a)	1,600 (d)	--	(5,300)	(6,500)	(1,100)	(5,100)	(ND<120)	ND<120	ND<120
		3/4/2011	22.60	11.56	35,000 (a)	3,300 (d)	--	(5,000)	(6,400)	(1,900)	(8,800)	(ND<100)	ND<100	ND<100
		8/22/2011	22.71	11.45	42,000 (a)	2,700 (d)	--	(5,700)	(6,300)	(1,800)	(7,800)	(ND<120)	ND<0.5	ND<120
		3/5/2012	22.99	11.17	49,000(a)	1500 (d)	--	4,400	2,800	1,900	8,200	ND<800	--	--
MW-4		10/31/1991	--	--	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	2.6	ND
33.64		11/6/1991	23.32	10.32	--	--	--	--	--	--	--	--	--	--
		10/21/1992	22.10	11.54	410	--	--	3.1	29	6.8	47	--	--	ND
		2/25/1993	21.13	12.51	170	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		4/27/1993	20.74	12.90	100	--	--	ND<0.5	ND<0.5	ND<0.5	0.9	--	--	--
		10/7/1993	--	12.52	240	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		3/28/1994	--	12.34	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		4/29/1994	--	11.33	--	--	--	--	--	--	--	--	--	--
		6/10/1994	--	11.55	--	--	--	--	--	--	--	--	--	--

TABLE 2

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 CHIU PROPERTY
 800 FRANKLIN STREET
 OAKLAND, CALIFORNIA

Well ID	TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene µg/L	Xylenes	MTBE	Chloroform	1,2-DCA
MW-4 (cont.)		7/8/1994	--	11.54	--	--	--	--	--	--	--	--	--	--
		7/26/1994	--	11.30	--	--	--	--	--	--	--	--	--	--
		8/25/1994	--	11.09	--	--	--	--	--	--	--	--	--	--
		10/27/1994	22.69	10.95	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		1/6/1995	--	11.70	--	--	--	--	--	--	--	--	--	--
		2/1/1995	--	12.34	--	--	--	--	--	--	--	--	--	--
		3/29/1995	--	12.76	--	--	--	--	--	--	--	--	--	--
		10/31/1995	--	11.61	80	--	--	ND<0.5	0.6	ND<0.5	1.0	ND<0.5	--	--
		5/21/1997	--	12.08	ND<50	--	--	11	120	27	180	ND<5.0	--	--
		9/28/2004	22.72	10.92	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		12/21/2004	20.65	12.99	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		3/11/2005	20.20	13.44	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		6/16/2005	20.38	13.26	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		9/1/2005	20.48	13.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		12/16/2005	20.78	12.86	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		3/10/2006	19.81	13.83	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
		9/15/2006	21.16	12.48	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	28	ND<0.5
		3/8/2007	21.52	12.12	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	23	ND<0.5
		9/17/2007	21.84	11.80	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	18	ND<0.5
		3/4/2008	21.41	12.23	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	13	ND<0.5
		9/3/2008	22.50	11.14	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	12	ND<0.5
		3/4/2009	22.15	11.49	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	14	ND<0.5
		9/8/2009	22.56	11.08	ND<50	ND<50	ND<250	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	11	ND<0.5
33.73	3/19/2010 *	21.88	11.76	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	10	ND<0.5	
	9/3/2010	22.21	11.52	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5	
	3/4/2011	21.78	11.95	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	1.0	ND<0.5	
	8/22/2011	21.92	11.81	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5	
	3/5/2012	22.34	11.39	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
MW-5		10/31/1991	--	--	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1.1	--
	33.51	11/6/1991	24.00	9.51	ND	--	--	ND	ND	ND	ND	--	--	--
		10/21/1992	23.24	10.27	840	--	--	17	120	39	180	--	--	--
	33.56	2/25/1993	22.40	11.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		4/27/1993	22.15	11.41	260	--	--	53	19	1.2	2.4	--	--	--
		10/7/1993	--	11.06	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		3/28/1994	--	10.95	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		4/29/1994	--	10.91	--	--	--	--	--	--	--	--	--	--
		6/10/1994	--	10.68	--	--	--	--	--	--	--	--	--	--
		7/8/1994	--	10.60	--	--	--	--	--	--	--	--	--	--
		7/26/1994	--	10.45	--	--	--	--	--	--	--	--	--	--
		8/25/1994	--	10.28	--	--	--	--	--	--	--	--	--	--
		10/27/1994	23.50	10.06	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
		1/6/1995	--	10.78	--	--	--	--	--	--	--	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
 CHIU PROPERTY
 800 FRANKLIN STREET
 OAKLAND, CALIFORNIA

Well ID	TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene µg/L	Xylenes	MTBE	Chloroform	1,2-DCA	
MW-5 (cont.)		2/1/1995	--	11.25	--	--	--	--	--	--	--	--	--	--	
		3/29/1995	--	11.63	--	--	--	--	--	--	--	--	--	--	
		10/31/1995	--	10.64	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
		5/21/1997	--	11.04	260	--	--	2.4	33	7.7	56	ND<5.0	--	--	
		9/28/2004	23.70	9.86	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	1.5	ND<5.0	--	--	
		12/21/2004	21.40	12.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
		3/11/2005	21.40	12.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
		6/16/2005	21.63	11.93	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
		9/1/2005	21.65	11.91	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
		12/16/2005	21.94	11.62	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
		3/10/2006	21.11	12.45	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
		9/15/2006	22.20	11.36	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	10	ND<0.5	
		3/8/2007	22.44	11.12	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	18	ND<0.5	
		9/17/2007	22.73	10.83	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	14	ND<0.5	
		3/4/2008	22.32	11.24	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	19	ND<0.5	
		9/3/2008	23.13	10.43	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	17	ND<0.5	
		3/4/2009	22.95	10.61	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	14	ND<0.5	
		9/8/2009	23.21	10.35	ND<50	ND<50	ND<250	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	11	ND<0.5	
	33.67		3/19/2010 *	22.72	10.84	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	14	ND<0.5
			9/3/2010	23.03	10.64	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	7.2	ND<0.5
		3/4/2011	22.60	11.07	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	3.4	ND<0.5	
		8/22/2011	22.63	11.04	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	1.9	ND<0.5	
		3/5/2012	22.94	10.73	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
MW-6		5/21/1997	--	11.26	760	--	--	2.5	1.7	ND<0.50	25	10	--	--	
	33.98		9/28/2004	24.00	9.98	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
			12/21/2004	21.61	12.37	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--	
			3/11/2005	21.60	12.38	340 (a)	--	1.9	2.6	0.68	0.61	ND<5.0	--	--	
			6/16/2005	21.81	12.17	1,300 (a)	--	58	8.3	6.1	4.0	ND<25	--	--	
			9/1/2005	21.82	12.16	1,900 (a)	--	150	19	18	76	ND<12	--	--	
			12/16/2005	22.03	11.95	3,600 (a,i)	--	560	63	33	230	ND<50	--	--	
			3/10/2006	21.46	12.52	2,200 (a)	--	240	10	20	87	ND<50	--	--	
			9/15/2006	22.46	11.52	1,800 (a)	480 (d)	ND<250	10	6.7	9.9	42	ND<17	3.2	ND<0.5
			3/8/2007	22.64	11.34	4,300 (a)	890 (d)	ND<250	260	36	29	140	ND<60	ND<10	ND<10 (j)
			9/17/2007	22.88	11.10	7,000 (a)	970 (d)	ND<250	760	28	46	270	ND<10	ND<10	ND<10
			3/4/2008	22.51	11.47	400 (a)	74 (d)	ND<250	46	ND<1.0	1.0	6.0	ND<1.0	ND<1.0	ND<1.0
			9/3/2008	23.24	10.74	280 (a)	69 (d, b)	ND<250	2.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
			3/4/2009	23.14	10.84	670 (a)	150 (d)	ND<250	68	13	ND<2.5	12	ND<2.5	ND<2.5	ND<2.5
			9/8/2009	23.38	10.60	8,000 (a)	1,400 (d)	ND<250	870 (770)	16 (ND<12)	34 (17)	1500 (1,200)	ND<12 (ND<12)	ND<0.5	ND<12
	34.05		3/19/2010 *	22.93	11.05	8,900 (a)	1,200 (d)	--	(2,900)	(ND<100)	(ND<100)	(ND<100)	(ND<5.0)	ND<5.0	15
			9/3/2010	23.19	10.86	4,600 (a)	710 (d)	--	(1,500)	(33)	(35)	(79)	(ND<25)	ND<25	ND<25
			3/4/2011	22.78	11.27	3,700 (a)	410 (d)	--	(1,300)	(170)	(70)	(200)	(ND<25)	ND<25	ND<25
			8/22/2011	22.85	11.20	490 (a)	120 (b,d)	--	(190)	(ND<5.0)	(ND<5.0)	(ND<5.0)	(ND<5.0)	0.86	ND<5.0
			3/5/2012	23.16	10.89	190 (a)	65 (b,d)	--	38	2.7	1.4	7.3	ND<15	--	--

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
 CHIU PROPERTY
 800 FRANKLIN STREET
 OAKLAND, CALIFORNIA

Well ID	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene µg/L	Xylenes	MTBE	Chloroform	1,2-DCA
MW-7 33.49	6/25/2012	22.98	10.51	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
<i>Grab Groundwater</i>													
B-7	3/11/2011	--	--	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
B-8	3/11/2011	--	--	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
B-9	3/12/2011	--	--	ND<50 (i)	--	--	ND<0.5	3.0	ND<0.5	ND<0.5	--	--	--

Abbreviations and Notes:

TOC Elevation = Top of well casing elevation measured in feet above mean sea level

msl = Above mean sea level

µg/L = Micrograms per liter

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method SW8015C.

TPHd = Total petroleum hydrocarbons as diesel by EPA Method SW8015C with silica gel cleanup.

TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method SW8015C with silica gel cleanup.

Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B (SW8260B).

MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B by (8260B)

Chloroform by EPA Method SW8260B.

1,2-DCA = 1,2-Dichloroethane by EPA Method SW8260B.

Sheen = A sheen was observed on the water's surface.

Field = Observed in the field.

Lab = Observed in analytical laboratory.

(a) = unmodified or weakly modified gasoline is significant

(b) = diesel range compounds are significant; no recognizable pattern

(d) = gasoline range compounds are significant

(h) = lighter than water immiscible sheen/product is present

(i) = liquid sample that contains ~1 vol. % sediment

(j) = sample diluted due to high organic content/matrix interference

ND<5.0 = Not detected above detection limit.

-- = Not available, not analyzed, or not applicable

* = Surveyed September 7, 2006; updated to table May 24, 2010

** = Surveyed March 8, 2007; updated to table May 24, 2010

É = Unable to access well due to denial by current tenant

APPENDIX A

AGENCY CORRESPONDENCE



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

November 8, 2010

Mr. Tommy Chiu
P.O. Box 28194
Oakland, CA 94606

Subject: Work Plan Approval for Fuel Leak Case No. RO0000196 and Geotracker Global ID T0600100050, Bill Louie's Auto Service, 800 Franklin Street, Oakland, CA 94607

Dear Mr. Chiu:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site including the most recently submitted document entitled, "*Down-Gradient Site Characterization Work Plan*," dated October 12, 2010 (Work Plan). The Work Plan, which was prepared on your behalf by Conestoga-Rovers & Associates, proposes two phases of work. The first phase is to consist of three soil borings with the collection of grab groundwater samples from each of the borings. Following the first phase of work, a Work Plan Addendum is to be submitted which presents results from the three soil borings and proposes a location for a down-gradient monitoring well.

The proposed scope work is acceptable and may be implemented as proposed. We request that you perform the proposed work and submit the reports requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **March 11, 2011** – Work Plan Addendum
- **May 8, 2011** – Semi-Annual Groundwater Monitoring Report – First Quarter 2011

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Digitally signed by Jerry Wickham
DN: cn=Jerry Wickham, o=Alameda County
Environmental Health, ou,
email=jerry.wickham@acgov.org, c=US
Date: 2010.11.09 10:55:02 -08'00'

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Mr. Tommy Chiu
RO0000196
November 8, 2010
Page 2

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)

Bryan Fong, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A
Emeryville, CA 94608 (*Sent via E-mail to: bfong@croworld.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

Geotracker, File

Attachment 1
Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Please **do not** submit reports as attachments to electronic mail.
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i. Send an e-mail to dehloptoxic@acgov.org
 - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - i. Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.



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

May 16, 2011

Mr. Tommy Chiu
P.O. Box 28194
Oakland, CA 94606

Subject: Work Plan Approval for Fuel Leak Case No. RO0000196 and GeoTracker Global ID T0600100050, Bill Louie's Auto Service, 800 Franklin Street, Oakland, CA 94607

Dear Mr. Chiu:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site including the most recently submitted document entitled, "*Down-Gradient Site Characterization Work Plan Addendum*," dated April 25, 2011 (Work Plan Addendum). The Work Plan Addendum, which was prepared on your behalf by Conestoga-Rovers & Associates, presents the results from grab groundwater sampling in three soil borings located downgradient from the site. Based on the results of the grab groundwater sampling, the Work Plan Addendum proposes installation of one monitoring well near the location of boring S-9.

The proposed scope work is acceptable and may be implemented as proposed. We request that you perform the proposed work and submit the reports requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **November 8, 2011** – Well Installation Report and Semi-Annual Groundwater Monitoring Report – Third Quarter 2011

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Digitally signed by Jerry Wickham
DN: cn=Jerry Wickham, o=Alameda County
Environmental Health, ou,
email=jerry.wickham@acgov.org, c=US
Date: 2011.05.17 09:01:15 -07'00'

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Mr. Tommy Chiu
RO0000196
May 16, 2011
Page 2

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)

Bryan Fong, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A
Emeryville, CA 94608 (*Sent via E-mail to: bfong@croworld.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Please **do not** submit reports as attachments to electronic mail.
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to deh.loptoxic@acgov.org
 - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

STANDARD FIELD PROCEDURES FOR
SOIL BORINGS AND MONITORING WELL INSTALLATION

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR SOIL BORING AND MONITORING WELL INSTALLATION

This document presents standard field methods for drilling and sampling soil borings and installing, developing and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (PG).

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

Drilling and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Analysis

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4° C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable volatile vapor analyzer measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. Volatile vapor analyzer measurements are used along with the field observations, odors, stratigraphy and groundwater depth to select soil samples for analysis.

Conestoga-Rovers & Associates

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING

Well Construction and Surveying

Groundwater monitoring wells are installed to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. A rinsed and graded sand occupies the annular space between the boring and the well screen to about one to two feet above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I, II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

Conestoga-Rovers & Associates

Well Development

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

APPENDIX C

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: 03/01/2011 By jamesy

Permit Numbers: W2011-0118
Permits Valid from 03/11/2011 to 03/12/2011

Application Id: 1299002679872
Site Location: 800 Franklin St, Oakland, CA
Project Start Date: 03/11/2011
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland
Completion Date:03/12/2011

Applicant: Conestoga-Rovers - Bryan Fong
5900 Hollis St, Ste A, Emeryville, CA 94608
Property Owner: Tommy Chiu
PO Box 28194, Oakland, CA 94606
Client: ** same as Property Owner **

Phone: 510-420-3369
Phone: 510-282-5446

Receipt Number: WR2011-0056 Total Due: \$265.00
Payer Name : Conestoga-Rovers Total Amount Paid: \$265.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinng Study - 3 Boreholes
Driller: Vapor Tech - Lic #: 916085 - Method: other

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2011-0118	03/01/2011	06/09/2011	3	3.00 in.	30.00 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. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
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 Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and

Alameda County Public Works Agency - Water Resources Well Permit

coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

recording requested by:

CITY OF OAKLAND

when recorded mail to:

City of Oakland
CEDA - Building Services
Dalziel Administration Building
250 Ogawa Plaza - 2nd Floor
Oakland, CA 94612
Attn: City Engineer

----- space above for Recorder's use only -----

INDENTURE AGREEMENT



Address 800 Franklin Street

permit no. ENMI 11154

parcel no. 001 -0193-057-00

authorities Municipal Code Section 12.08.080

description Allow monitoring well, MW-7, on 8th Street and add non-permitted monitoring wells MW-2, MW-3A, MW-4, and MW-5 on 8th and Franklin Streets.

RECITAL

The owner subscribed below of fee simple interest in the property referenced above and described in Exhibit B attached hereto, is hereby granted, for an indeterminate period of time, the revocable permit referenced above allowing the temporary encroachment described above and delineated in Exhibit C, attached hereto, and limiting the use, exercise, and operation of the encroachment with the requirements and restrictions set forth in Exhibit A, attached hereto, and the associated permit. The owner agrees by and between themselves to be bound by the general and special conditions in Exhibit A and to comply with these conditions faithfully and fully at all times. The conditions of this agreement and associated permit shall equally bind all agents, heirs, successors, and assigns of the owner.

ACKNOWLEDGEMENT OF PROPERTY OWNER

(Notarization of signature required)

Chen-Tso Chiu

Signature Chen-Tso Chiu
Chen-Tso Chiu

Date 4-17-12

AKA Tommy Chiu

ATTACHMENTS

- Exhibit A - Conditions of encroachment
- Exhibit B - Description of privately owned parcel

Exhibit C - Limits of encroachment

CITY OF OAKLAND a municipal corporation	by	<u>DAVID HARLAN</u> Engineering Manager – Building Services Community and Economic Development Agency	date	_____
RAYMOND M. DERANIA City Engineer				

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Alameda }

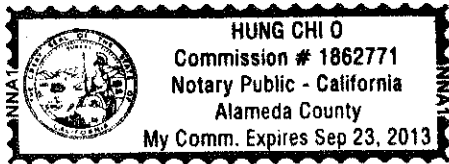
On April 17th, 2012 before me, HUNG CHI O, Notary Public -
Date Here Insert Name and Title of the Officer

personally appeared CHEN-TSO CHIU aka TOMMY CHIU
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature [Handwritten Signature]
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Indenture Agreement

Document Date: April 17th, 2012 Number of Pages: 07

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Chen-Tso Chiu

- Individual aka Tommy Chiu
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER

Top of thumb here

Signer Is Representing: _____

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER

Top of thumb here

Signer Is Representing: _____

EXHIBIT A

Conditions For An Encroachment In The Public Right-Of-Way

address 800 Franklin Street

parcel no. 001 -0193-057-00

permittee CHEN-TSO CHIU

permit no. ENMI 11154

- **General conditions of the encroachment**

1. This agreement may be voided and the associated permit for an encroachment may be revoked at any time and for any reason, at the sole discretion of the City Administrator or his or her designee, or the associated permit may be suspended at any time, at the sole discretion of the City Engineer, upon failure of the permittee to comply fully and continuously with each and all of the general and special conditions set forth herein and in the associated permit.
2. The property owner and permittee hereby disclaim any right, title, or interest in or to any portion of the public right-of-way, including the sidewalk and street, and agree that the encroachment is granted for indeterminate period of time and that the use and occupancy by the permittee of the public right-of-way is temporary and does not constitute an abandonment, whether expressed or implied, by the City of Oakland of any of its rights associated with the statutory and customary purpose and use of and operations in the public right-of-way.
3. The permittee agrees to indemnify and save harmless the City of Oakland, its officers, agents, employees, and volunteers, and each of them, from any suits, claims, or actions brought by any person or persons, corporations, or other entities for on account of any bodily injury, disease, or illness, including death, damage to property, real or personal, or damages of any nature, however caused, and regardless of responsibility for negligence, arising in any manner out of the construction of or installation of a private improvement itself or sustained as result of its construction or installation or resulting from the permittees' failure to maintain, repair, remove and/or reconstruct the private improvement.
4. The permittee shall maintain fully in force and effect at all times that the encroachment occupies the public right-of-way good and sufficient public liability insurance in a face amount not less than \$300,000.00 for each occurrence, and property damage insurance in a face amount not less than \$50,000.00 for each occurrence, both including contractual liability, insuring the City of Oakland, its officers, agents, employees, and volunteers against any and all claims arising out of the existence of the encroachment in the public right-of-way, as respects liabilities assume under this permit, and that a certificate of such insurance and subsequent notices of the renewal thereof, shall be filed with the City Engineer of the City of Oakland, and that such certificate shall state that the insurance coverage shall not be canceled or be permitted to lapse without thirty calendar (30) days written notice to the City Engineer. The permittee also agree that the City of Oakland may review the type and amount of insurance required of the permittee annually and may require the permittee to increase the amount of and/or change the type of insurance coverage required.
5. The permittee shall be solely and fully liable and responsible for the repair, replacement, removal, reconstruction, and maintenance of any portion or all of the private improvements constructed or installed in the public right-of-way, whether by the cause, neglect, or negligence of the permittee or others and for the associated costs and expenses necessary to restore or remove the encroachment to the satisfaction of the City Engineer and shall not allow the encroachment to become a blight or a menace or a hazard to the health and safety of the general public.
6. The permittee acknowledge and agree that the encroachment is out of the ordinary and does not comply

with City of Oakland standard installations. The permittee further acknowledge and agree that the City of Oakland and public utility agencies will periodically conduct work in the public right-of-way, including excavation, trenching, and relocation of its facilities, all of which may damage the encroachment. Permittee further acknowledge and agree that the City and public utility agencies take no responsibility for repair or replacement of the encroachment which may be damaged by the City or its contractors or public utility agencies or their contractors. Permittee further acknowledge and agree that upon notification by and to the satisfaction of the City Engineer, permittee shall immediately repair, replace, or remove, at the sole expense of the permittee, all damages to the encroachment that are directly or indirectly attributable to work by the City or its contractors or public utility agencies or their contractors.

7. Permittee shall remain liable for and shall immediately reimburse the City of Oakland for all costs, fee assessments, penalties, and accruing interest associated with the City's notification and subsequent abatement action for required maintenance, repairs, or removal, whether in whole or in part, of the encroachment or of damaged City infrastructure made necessary by the failure, whether direct or indirect, of the permittee to monitor the encroachment effectively and accomplish preventative, remedial, or restorative work expeditiously. The City reserves the unqualified right to collect all monies unpaid through any combination of available statutory remedies, including recordation of Prospective Liens and Priority Liens/ Special Assessments with the Alameda County Recorder, inclusion of non-reimbursed amounts by the Alameda County Assessor with the annual assessment of the general levy, and awards of judgments by a court of competent jurisdiction.
8. Upon revocation of the encroachment permit, permittee shall immediately, completely, and permanently remove the encroachment from the public right-of-way and restore the public right-of-way to its original conditions existing before the construction or installation of the encroachment, to the satisfaction of the City Engineer and all at the sole expense of the permittee.
9. This agreement and the associated permit for an encroachment shall become effective upon filing of this agreement with the Alameda County Recorder for recordation as an encumbrance of the property and its title.

• **Special conditions of the encroachment**

10. That said permittee shall obtain excavation permit(s) prior to construction and separate excavation permit(s) prior to the removal of the monitoring well.
11. That said permittee shall provide to the City of Oakland an AS BUILT plan showing the actual location of the monitoring well. And the results of all data collected from the monitoring well.
12. That said permittee shall remove the monitoring well and repair any damage to the street area in accordance with City standards two (2) years after construction or as soon as monitoring is complete.
13. That said permittee shall notify the Community & Economic Development Agency, Building Services Division after the monitoring well is removed and the street area restored to initiate the procedure to rescind the minor encroachment permit.
14. That the monitoring well cover installed within the sidewalk area shall have a skid-proof surface.
15. That the monitoring well casting and cover shall be iron and shall meet H-20 load rating. The cover shall be secured with a minimum of two stainless steel bolts. Bolts and cover shall be mounted flush with the surrounding surface. For sidewalk installations, a pre-cast concrete utility box and non-skid

cover may be needed in conjunction with the bolted cast iron cover with City approval.

16. That said permittee acknowledges that the City makes no representations or warranties as to the conditions beneath said encroachment. By accepting this revocable permit, permittee agrees that it will use the encroachment area at its own risk, is responsible for the proper coordination of its activities with all other permittee, underground utilities, contractors, or workmen operating, within the encroachment area and for the safety of itself and any of its personnel in connection with its entry under this revocable permit.
17. That said permittee acknowledges that the City is unaware of the existence of any hazardous substances beneath the encroachment area, and permittee hereby waives and fully releases and forever discharges the City and its officers, directors, employees, agents, servants, representatives, assigns and successors from any and all claims, demands, liabilities, damages, actions, causes of action, penalties, fines, liens, judgments, costs, or expenses whatsoever (including, without limitation, attorneys' fees and costs), whether direct or indirect, known or unknown, foreseen or unforeseen, that may arise out of or in any way connected with the physical condition or required remediation of the excavation area of any law or regulation applicable thereto, including, without limitation, the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended (42 U.S.C. Sections 9601 et seq.), the Resource Conservation and Recovery Act of 1976 (42 U.S.C. Section 466 et seq.), the Safe Drinking Water Act (14 U.S.C. Sections 1401, 1450), the Hazardous Waste Control Law (California Health and Safety Code Sections 25100 et seq.), the Porter-Cologne Water Quality Control Act (California Health and Safety Code Section 13000 et seq.), the Hazardous Substance Account Act (California Health and Safety Code Sections 253000 et seq.), and the Safe Drinking Water and Toxic Enforcement Act (California Health and Safety Code Section 25249.5 et seq.).
18. That said permittee further acknowledges that it understands and agrees that it hereby expressly waives all rights and benefits which it now has or in the future may have, under and by virtue of the terms of California Civil Code Section 1542, which reads as follows: "A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY AFFECTED HIS SETTLEMENT WITH THE DEBTOR."
19. That said permittee recognizes that by waiving the provisions of this section, permittee will not be able to make any claims for damages that may exist, and to which, if known, would materially affect its decision to agree to these encroachment terms and conditions, regardless of whether permittee's lack of knowledge is the result of ignorance, oversight, error, negligence, or any other cause.
20. (a) That said permittee, by the acceptance of this revocable permit, agrees and promises to indemnify, defend, and hold harmless the City of Oakland, its officers, agents, and employees, to the maximum extent permitted by law, from any and all claims, demands, liabilities damages, actions, causes of action, penalties, fines, liens, judgments, costs, or expenses whatsoever (including, without limitation, attorneys' fees and costs; collectively referred to as "claims", whether direct or indirect, known or unknown, foreseen or unforeseen, to the extent that such claims were either (1) caused by the permittee, its agents, employees, contractors or representatives, or, (2) in the case of environmental contamination, the claim is a result of environmental contamination that emanates or emanated from 800 Franklin Street, Oakland, California site, or was otherwise caused by the permittee, its agents, employees, contractors or representatives.

(b) That, if any contamination is discovered below or in the immediate vicinity of the encroachment, and the contaminants found are of the type used, housed, stored, processed or sold on or

from 800 Franklin Street, Oakland, California site, such shall amount to a rebuttable presumption that the contamination below, or in the immediate vicinity of, the encroachment was caused by the permittee, its agents, employees, contractors or representatives.

- (c) That said permittee shall comply with all applicable federal, state, county and local laws, rules, and regulations governing the installation, maintenance, operation and abatement of the encroachment.
21. That said Minor Encroachment Permit and Agreement shall take effect when all the conditions hereinabove set forth shall have been complied with to the satisfaction of the City Engineer, and shall become null and void upon the failure of the permittee to comply with all conditions.
 22. That said permittee understands that a rescission of this agreement will be needed at some future date when monitoring is completed and well(s) are removed. Additional permitting will be required.
 23. That said Indenture Agreement alone does not allow work to be done which requires inspection. Permittee to obtain any and all required permits before beginning work.
 24. The City, at it sole discretion and at future date not yet determined, may impose additional and continuing fees as prescribed in the Master Fee Schedule for use and occupancy of the public right-of-way.

EXHIBIT B

Description Of the Private Property Abutting The Encroachment

address 800 Franklin Street

parcel no. 001 -0193-057-00

deed no. 1990-117124

recorded April 30, 1990

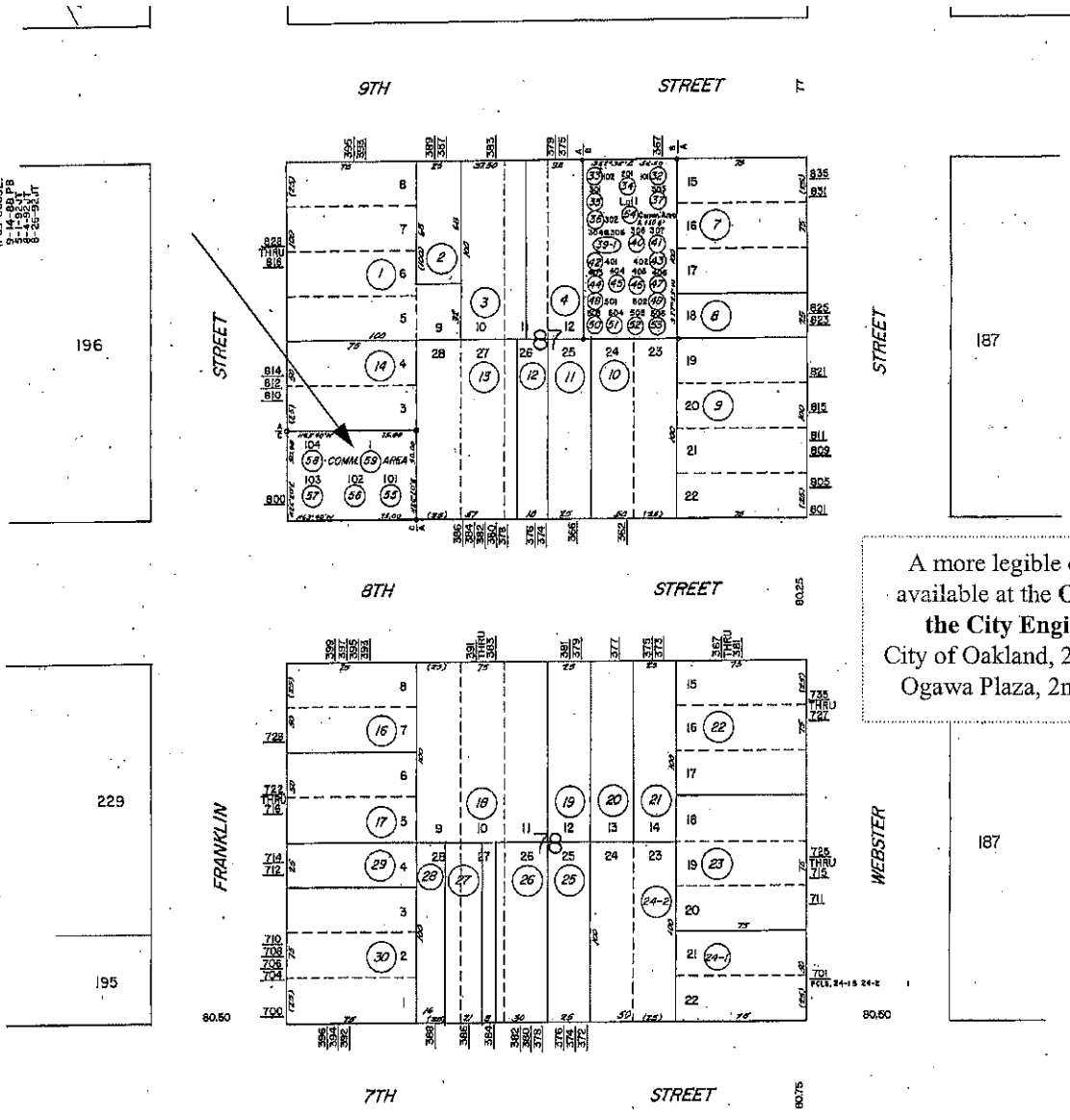
County of Alameda

State of California:

Beginning at the point of intersection of the Northern line of 8th Street with the Eastern line of Franklin Street 50 feet; thence Easterly parallel with said line of 8th Street, 75 feet; thence Southerly parallel with said line of Franklin Street 50 feet to the Northern line of 8th Street; thence Westerly along the said line of 8th Street, 75 feet to the point of beginning.

Being Lots 1 and 2 in Block 87, as said lots and block are shown on the Kellerberger's Map of Oakland, on file in the office of the County Recorder of Alameda County.

Drawn C-67R.H.S. Revised: 3-21-77 W.M.
 2-22-08 LL 3-21-85 BR.
 9-14-86 BT
 9-14-86 BT
 9-14-86 BT
 8-25-88 AT



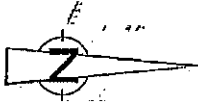
A more legible copy is available at the Office of the City Engineer, City of Oakland, 250 Frank Ogawa Plaza, 2nd floor.

EXHIBIT C

Limits Of The Encroachment In The Public Right-Of-Way

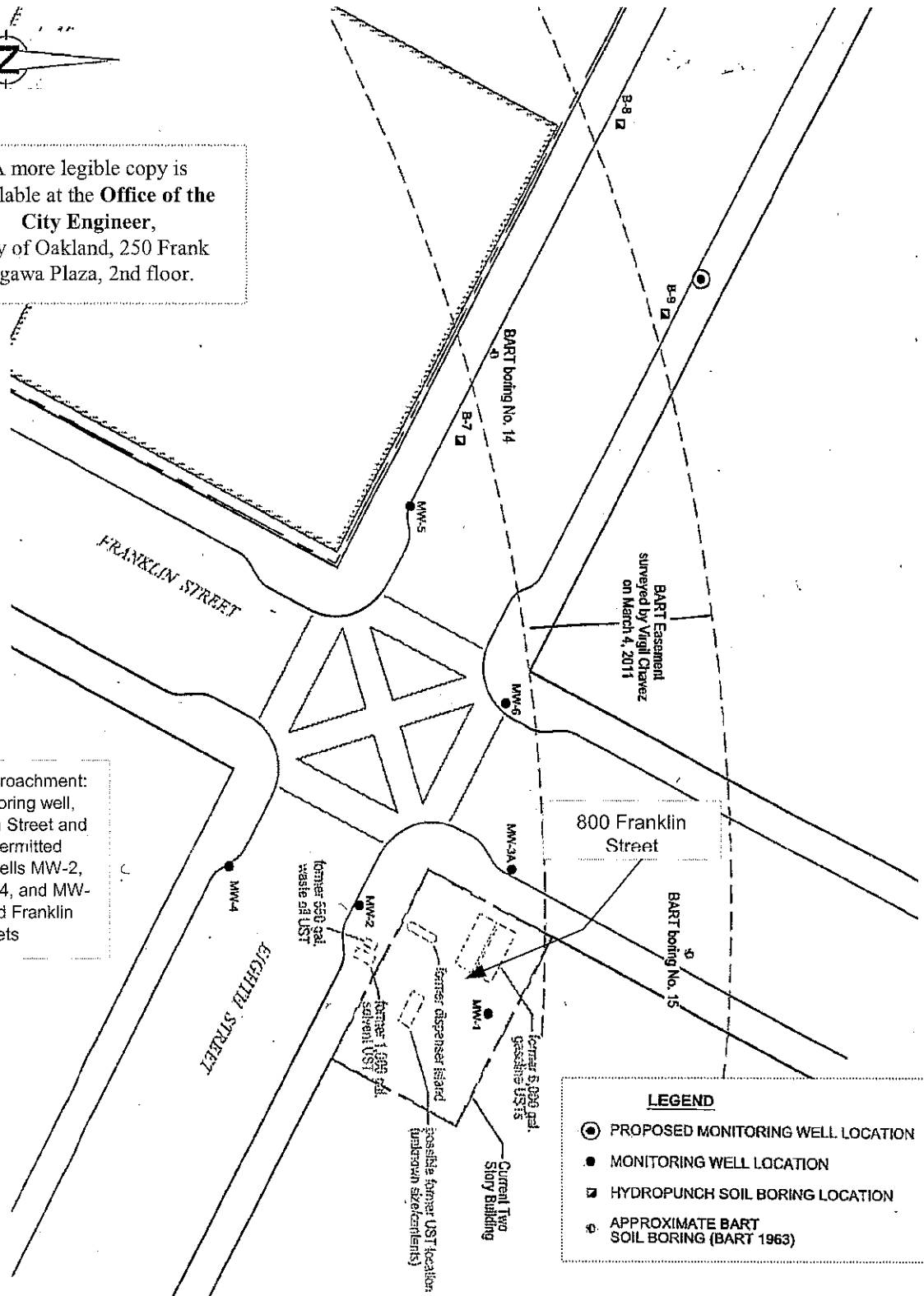
address 800 Franklin Street

parcel no. 001 -0193-057-00



A more legible copy is available at the **Office of the City Engineer**, City of Oakland, 250 Frank Ogawa Plaza, 2nd floor.

Extent of Encroachment:
 Allow monitoring well, MW-7, on 8th Street and add non-permitted monitoring wells MW-2, MW-3A, MW-4, and MW-5 on 8th and Franklin Streets



LEGEND

- PROPOSED MONITORING WELL LOCATION
- MONITORING WELL LOCATION
- ☒ HYDROPUNCH SOIL BORING LOCATION
- APPROXIMATE BART SOIL BORING (BART 1963)

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# X1200834 Job Site 800 FRANKLIN ST Parcel# 001 -0193-057-00

Descr Excavate for one new monitoring well (ENMI11154) on 8th St. Permit Issued 05/04/12
MW-7. Job #581000.

Call for PWA PRE-CON prior to start work: 510-238-3651.

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # 581000 Acctg#:
Util Fund #:

Applicant Phone# Lic# --License Classes--

Owner CHIU, CHEN-TSO

Contractor VAPOR TECH SERVICES X (415)378-0415 916085 C57

Arch/Engr

Agent CRA WORLD/B. FONG

(510)420-3369

Applic Addr 1348 66TH ST, BERKELEY CA, 94702

\$436.05 FEES TO BE PAID AT ISSUANCE	
\$71.00 Applic	\$309.00 Permit
\$.00 Process	\$36.10 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$19.95 Tech Enh

JOB SITE
JOB SITE
~~CITY FILE~~


Permit Issued By _____  Date: _____

Finald By _____ Date: _____

ADDRESS:

D:

CITY OF OAKLAND

PAID
5/4/12 

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Permit No. X1200834 Parcel #: 001 -0193-057-00
Project Address: 800 FRANKLIN ST

Page 2 of 2

Licensed Contractors' Declaration

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender _____ Address _____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER: _____ POLICY NO. _____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy WILL WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

ADDRESS:
D/C

PRINT NAME _____ Signature Contractor, or Agent _____ Date _____

AND • Community and Economic Development Agency

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

URDS
(MNI)

Appl# ENMI11154 Job Site 800 FRANKLIN ST Parcel# 001 -0193-057-00

Filed 10/03/11

Descr Install additional monitoring well, MW-7, on 8th Street between Broadway & Franklin St. Determine if other wells exist that have not been permitted. Rescission needed.

See updated description below.

Insurance Required? YES Carrier Expires

Owner CHIU, CHEN-TSO
Contractor
Arch/Engr
Agent CRA WORLD/B. FONG
Applicant X (510)420-3369
Applic Addr

\$1,133.73 FEES TO BE PAID AT FILING		\$0.00 FEES TO BE PAID AT ISSUANCE
\$71.00 Applic	\$0.00 Permit	
\$917.00 Process	\$93.86 Rec Mgmt	
\$0.00 Gen Plan	\$0.00 Invstg	
\$0.00 Other	\$51.87 Tech Enh	

JOB SITE
APPLICATION ONLY
NOT A PERMIT

Permit Issued By _____ Date: _____
Finalized By _____ Date: _____

PTS100-01 UPDATE/QUERY PROJECT INFORMATION 10/25/11 08:39:53
Applic#* ENMI11154 Type: Next Option: 101
Date Filed: 10/03/11

NUMBER	STREET NAME	SUFFIX*	SUITE	ASSESSOR	PARCEL#
1)	800 FRANKLIN	ST		001	-0193-057-00
2)					
3)					

UPDATED DESCRIPTION
Project Descr: Install monitoring well, MW-7, on 8th Street between Broadway & Franklin St. Add the following wells that have not been permitted: MW-2, -3A, -4, and -5. Rescission needed
Insp Div: ENG-SVCS Dist: 01
Track:
Owner: CHIU, CHEN-TSO
Contractor:
Arch/Engr:

Agent: CRA WORLD/B. FONG (510)420-3369 X
Applicant Addr:
City/State: No Fee:
Zip: Wrkrs Comp*
OB070092 OB070124 OB070147 ENMI07056
X1100238 OB110142 OB110143 ENMI96084

F3=Ext F5=Chg F6=Add F7=Fwd F8=Bck F11=Fnd F12=Prv F23=Dsc F24=Com
807 Press ENTER to view page 2 data

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120401 Job Site 800 FRANKLIN ST Parcel# 001 -0193-057-00

Divert traffic lane on 8th St per TSD12-0071. Metered spaces Permit Issued 05/04/12 on separate OB permit. One space NO FEE ref: X1200834.
Non-Consecutive Days

NON-CONSECUTIVE DAYS

Nbr of days: 3
Effective: 05/17/12

Linear feet: 200
Expiration: 05/23/12

SHORT TERM NON-METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner CHIU, CHEN-TSO				
Contractor VAPOR TECH SERVICES	X	(415)378-0415	916085	C57
Arch/Engr				
Agent CRA WORLD/B. FONG		(510)420-3369		
Applic Addr 1348 66TH ST, BERKELEY CA, 94702				

\$556.54 FEES TO BE PAID AT FILING		\$.00 FEES TO BE PAID AT ISSUANCE
\$71.00 Applic	\$414.00 Permit	
\$.00 Process	\$46.08 Rec Mgmt	
\$.00 Gen Plan	\$.00 Invstg	
\$.00 Other	\$25.46 Tech Enh	

JOB SITE

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS: _____

Applicant: _____

Issued by: _____

CITY OF OAKLAND

PAID
5/4/12 (initials)

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120402 Job Site 800 FRANKLIN ST Parcel# 001 -0193-057-00

Reserve 5 metered spaces on 8th St to allow new monitoring well to be installed. Non-Consecutive Days: 05/17; 05/22; 05/23. Permit Issued 05/04/12

Nbr of days: 3 **Display on Dashboard** Nbr of meters: 5
Effective: 05/17/12 Expiration: 05/23/12
SHORT TERM METERED

Owner CHIU, CHEN-TSO Applcmt Phone# Lic# --License Classes--
Contractor VAPOR TECH SERVICES X (415)378-0415 916085 C57
Arch/Engr (510)420-3369
Agent CRA WORLD/B. FONG
Applic Addr 1348 66TH ST, BERKELEY CA, 94702

\$675.31 FEES TO BE PAID AT ISSUANCE
\$71.00 Applic \$517.50 Permit
\$.00 Process \$55.91 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$30.90 Tech Enh

JCD SITE

Display on Dashboard

**To Have Illegally Parked Vehicle
Ticketed Call 510-777-3333
For Towed Car Call 510-238-3021**

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS:

Applicant: _____

Issued by: _____

CITY OF OAKLAND

PAID
5/4/12 [Signature]

DIC

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120467 Job Site 800 FRANKLIN ST Parcel# 001 -0193-057-00

Reserve 3 metered spaces on 8th St to allow new monitoring well to be installed. Permit Issued 05/31/12

Nbr of days: 1
Effective: 06/05/12

Display on Dashboard

Nbr of meters: 3
Expiration: 06/05/12

SHORT TERM METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner	CHIU, CHEN-TSO			
Contractor	VAPOR TECH SERVICES	X (415) 378-0415	916085	C57
Arch/Engr				
Agent	CRA WORLD/B. FONG	(510) 420-3369		
Applic Addr	1348 66TH ST, BERKELEY CA, 94702			

\$200.24 FEES TO BE PAID AT ISSUANCE	
\$71.00 Applic	\$103.50 Permit
\$.00 Process	\$16.58 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$9.16 Tech Enh

JOB SITE

Display on Dashboard

**To Have Illegally Parked Vehicle
Ticketed Call 510-777-3333
For Towed Car Call 510-238-3021**

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS:

Applicant: _____

Issued by: _____

DIST:

CITY OF OAKLAND

PAID
5/31/12 *[Signature]*

for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120466

Job Site 800 FRANKLIN ST

Parcel# 001 -0193-057-00

Divert traffic lane on 8th St per TSD12-0071. Metered spaces Permit Issued 05/31/12 on separate OB permit. One space NO FEE ref: X1200834. Non-Consecutive Days

Nbr of days: 1

Effective: 06/05/12

Linear feet: 200

Expiration: 06/05/12

SHORT TERM NON-METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner CHIU, CHEN-TSO				
Contractor VAPOR TECH SERVICES	X	(415)378-0415	916085	C57
Arch/Engr				
Agent CRA WORLD/B. FONG		(510)420-3369		
Applic Addr 1348 66TH ST, BERKELEY CA, 94702				

\$239.83 FEES TO BE PAID AT FILING

\$.00 FEES TO BE PAID AT ISSUANCE

\$71.00 Applic	\$138.00 Permit
\$.00 Process	\$19.86 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$10.97 Tech Enh

JOB SITE

ADDRESS
DIST

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: _____

Issued by: _____ *(Signature)*

CITY OF OAKLAND

PAID
5/31/12 *(initials)*

Permits for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120485

Job Site 800 FRANKLIN ST

Parcel# 001 -0193-057-00

Reserve 3 metered spaces on 8th St to allow new monitoring well to be installed. One space NO FEE ref: X1200834. Permit Issued 06/05/12

Nbr of days: 1
Effective: 06/08/12

Display on Dashboard

Nbr of meters: 3
Expiration: 06/08/12

SHORT TERM METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner	CHIU, CHEN-TSO			
Contractor	VAPOR TECH SERVICES	X (415) 378-0415	916085	C57
Arch/Engr				
Agent	CRA WORLD/B. FONG	(510) 420-3369		
Applic Addr	1348 66TH ST, BERKELEY CA, 94702			

\$200.24 FEES TO BE PAID AT ISSUANCE	
\$71.00 Applic,	\$103.50 Permit
\$.00 Process	\$16.58 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$9.16 Tech Enh

JOB SITE

Display on Dashboard

**To Have Illegally Parked Vehicle
Ticketed Call 510-777-3333
For Towed Car Call 510-238-3021**

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: _____

Issued by: _____ *[Signature]*

CITY OF OAKLAND

PAID
6/5/12 *[Signature]*

ADDRESS: _____
DIP

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: 05/01/2012 By jamesy

Permit Numbers: W2012-0310
Permits Valid from 05/02/2012 to 06/30/2012

Application Id: 1335827691759
Site Location: 800 Franklin St, Oakland, CA
Project Start Date: 05/02/2012
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

City of Project Site: Oakland
Completion Date: 06/30/2012

Applicant: Conestoga Rovers - Andrew Renshaw
5900 Hollis St. Ste. A, Emeryville, CA 94608
Property Owner: Tommy Chin
PO Box 28194, Oakland, CA 94606
Client: ** same as Property Owner **

Phone: 510-420-3368
Phone: 510-282-5446
CELL: 510-385-0797

Total Due: \$397.00
Total Amount Paid: \$397.00
Payer Name : Conestoga Rovers Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 1 Wells
Driller: Vapor Tech - Lic #: 916085 - Method: hstem

Work Total: \$397.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2012-0310	05/01/2012	07/31/2012	MW-7	8.00 in.	2.00 in.	14.00 ft	35.00 ft

Specific Work Permit Conditions

1. 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.
2. 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 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.
3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or 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. Include permit

Alameda County Public Works Agency - Water Resources Well Permit

number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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.
 7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 8. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120546 Job Site 800 FRANKLIN ST Parcel# 001 -0193-057-00

Divert traffic lane on 8th St per TSD12-0071. Metered space Permit Issued 06/18/12 on separate OB permit.

Nbr of days: 1
Effective: 06/25/12

Linear feet: 200
Expiration: 06/25/12

SHORT TERM NON-METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner CHIU, CHEN-TSO				
Contractor VAPOR TECH SERVICES	X	(415)378-0415	916085	C57
Arch/Engr				
Agent CRA WORLD/B. FONG		(510)420-3369		
Applic Addr 1348 66TH ST, BERKELEY CA, 94702				

\$239.83 FEES TO BE PAID AT FILING

\$71.00 Applic	\$138.00 Permit
\$.00 Process	\$19.86 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$10.97 Tech Enh

\$.00 FEES TO BE PAID AT ISSUANCE

JOB SITE

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

DIST: ADDRESS:

Applicant: Jaralykhuon 6/18/12
Issued by: Ⓞ

CITY OF OAKLAND

Date: 06/18/12 Amt Paid: \$239.83
By: MKH Register R02 Receipt# 161519

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1100238 Job Site 800 FRANKLIN ST Parcel# 001 -0193-015-00

Descr Soil borings on 8th St between Franklin & Broadway. HOLD Permit Issued 02/28/11
Final pending resolution of missing agreement for ENMI07056.
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.
Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # 581000 Acctg#:
Util Fund #:

Applicant Phone# Lic# --License Classes--

Owner CHIU CHENTSO
Contractor VAPOR TECH SERVICES X (415) 378-0415 916085 C57
Arch/Engr
Agent CRA/BRYAN FONG (510) 420-3369
Applic Addr 1348 66TH ST, BERKELEY CA, 94702

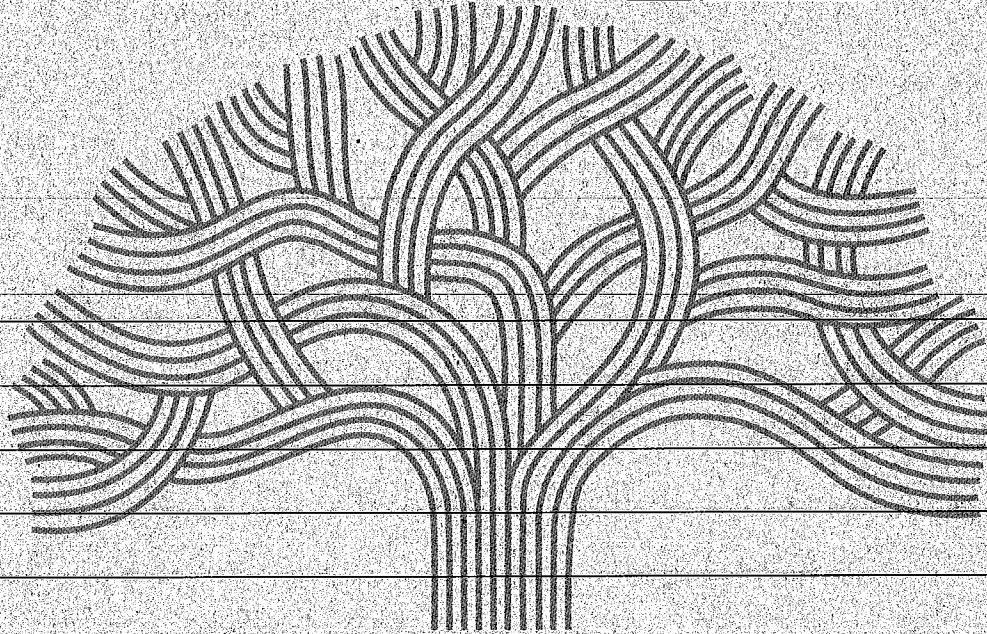
Hold Final

\$436.05 TOTAL FEES PAID AT ISSUANCE
\$71.00 Applic \$309.00 Permit
\$.00 Process \$36.10 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$19.95 Tech Enh

JOB SITE

Permit Issued By [Signature] Date: _____

Finalized By _____ Date: _____



CITY OF OAKLAND

PAID
LMC 3/1/11

ADDRESS

DIST.

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1100238 Parcel #: 001 -0193-015-00
Project Address: 800 FRANKLIN ST

Licensed Contractors' Declaration

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender _____ Address _____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER: _____ POLICY NO. _____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy WILL WILL NOT use, handle or store any hazardous, or acutely hazardous materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.



PRINT NAME _____

Signature Contractor, or Agent

Date _____

ADDRESS _____
DIST: _____

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB110142 Job Site 800 FRANKLIN ST Parcel# 001 -0193-015-00

Reserve meters on 8th St between Franklin & Broadway. Soil boring. Lane closure on TSD11-0013 separate application. Permit Issued 02/28/11
Non-consecutive dates: Marc 4 & Mar 11-12. One space no fee.

Display on Dashboard

Nbr of days: 3
Effective: 03/04/11

Nbr of meters: 12
Expiration: 03/12/11

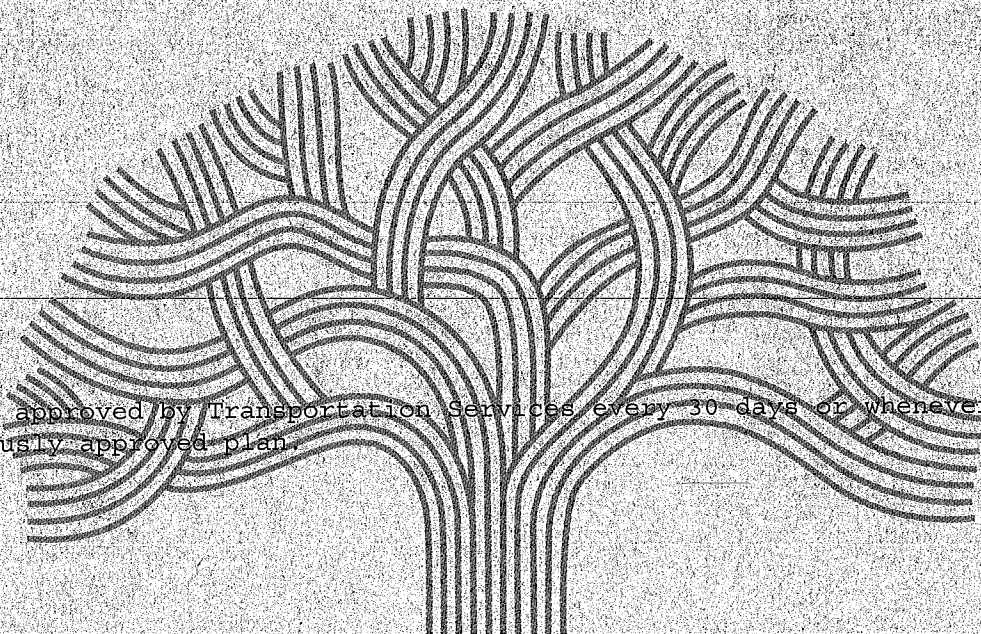
SHORT TERM METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner	CHIU CHENTSO			
Contractor	VAPOR TECH SERVICES	X (415) 378-0415	916085	C57
Arch/Engr				
Agent	CRA/BRYAN FONG	(510) 420-3369		
Applc Addr	1348 66TH ST, BERKELEY CA, 94702			

\$1,506.67 TOTAL FEES PAID AT ISSUANCE	
\$71.00 Applic	\$1,242.00 Permit
\$.00 Process	\$124.74 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$68.93 Tech Enh

JOB SITE

Display on Dashboard



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS:

Applicant: _____

Issued by: _____

CITY OF OAKLAND

DIST:

PAID
4MC 3/11/11

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB110143 Job Site 800 FRANKLIN ST Parcel# 001 -0193-015-00

Lane closure on 8th St between Franklin & Broadway Soil boring. Lane closure on TSD11-0013 separate application. Permit Issued 02/28/11

Non consecutive dates: Marc 4 & Mar 11-12

Display on Dashboard

Nbr of days: 3
Effective: 03/04/11

Linear feet: 540
Expiration: 03/12/11

SHORT TERM NON-METERED

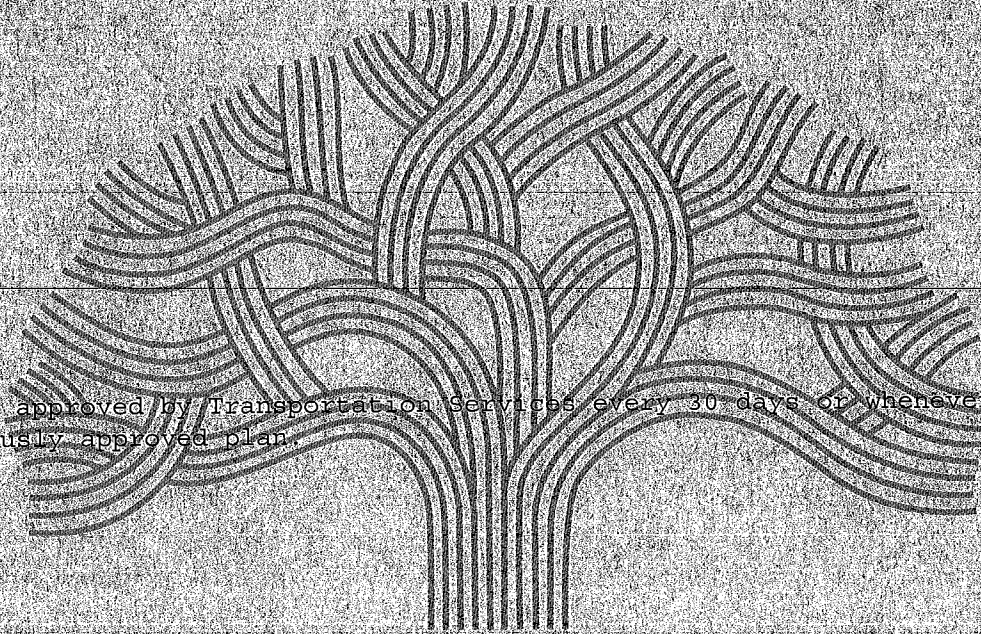
	Applent	Phone#	Lic#	License Classes
Owner	CHIU CHENTSO			
Contractor	VAPOR TECH SERVICES	X (415) 378-0415	916085	C57
Arch/Engr				
Agent	CRA/BRYAN FONG	(510) 420-3369		
Applic Addr	1348 66TH ST, BERKELEY CA, 94702			

\$1,387.90 TOTAL FEES PAID AT FILING	
\$71.00 Applic	\$1,138.50 Permit
\$.00 Process	\$114.90 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$63.50 Tech Enh

\$.00 TOTAL FEES PAID AT ISSUANCE

JOB SITE

Display on Dashboard



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS
DIST

Applicant: _____

Issued by: _____

CITY OF OAKLAND

PAID
SMC 3/11/11

CITY OF OAKLAND • Community and Economic Development Agency

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB110142 Job Site 800 FRANKLIN ST Parcel# 001 -0193-015-00

Reserve meters on 8th St between Franklin & Broadway. Soil boring. Lane closure on TSD11-0013 separate application. Non-consecutive dates: Marc 4 & Mar 11-12. One space no fee.

Display on Dashboard

Nbr of days: 3
Effective: 03/04/11

Nbr of meters: 12
Expiration: 03/12/11

SHORT TERM METERED

Applicant Phone# Lic# --License Classes--

Owner CHIU CHENTSO

Contractor VAPOR TECH SERVICES

X (415) 378-0415 916085 C57

Arch/Engr

Agent CRA/RYAN FONG

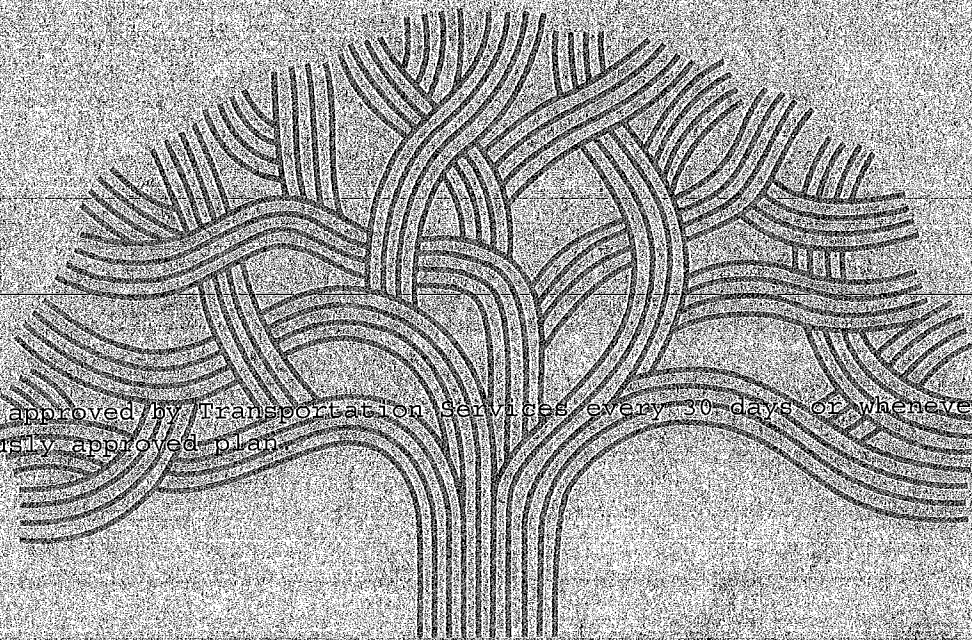
(510) 420-3369

Applic Addr 1348 66TH ST, BERKELEY CA, 94702

\$1,506.67 TOTAL FEES PAID AT ISSUANCE	
\$71.00 Applic	\$1,242.00 Permit
\$.00 Process	\$124.74 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$68.93 Tech Enh

JOB SITE

Display on Dashboard



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS

Applicant: _____

Issued by: _____

DIST

CITY OF OAKLAND

CITY OF OAKLAND • Community and Economic Development Agency

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB110143

Job Site 800 FRANKLIN ST

Parcel# 001 -0193-015-00

Lane closure on 8th St between Franklin & Broadway. Soil boring. Lane closure on TSD11-0013 separate application. Non-consecutive dates: Marc 4 & Mar 11-12.

Permit Issued 02/28/11

Display on Dashboard

Nbr of days: 3
Effective: 03/04/11

Linear feet: 540
Expiration: 03/12/11

SHORT TERM NON-METERED

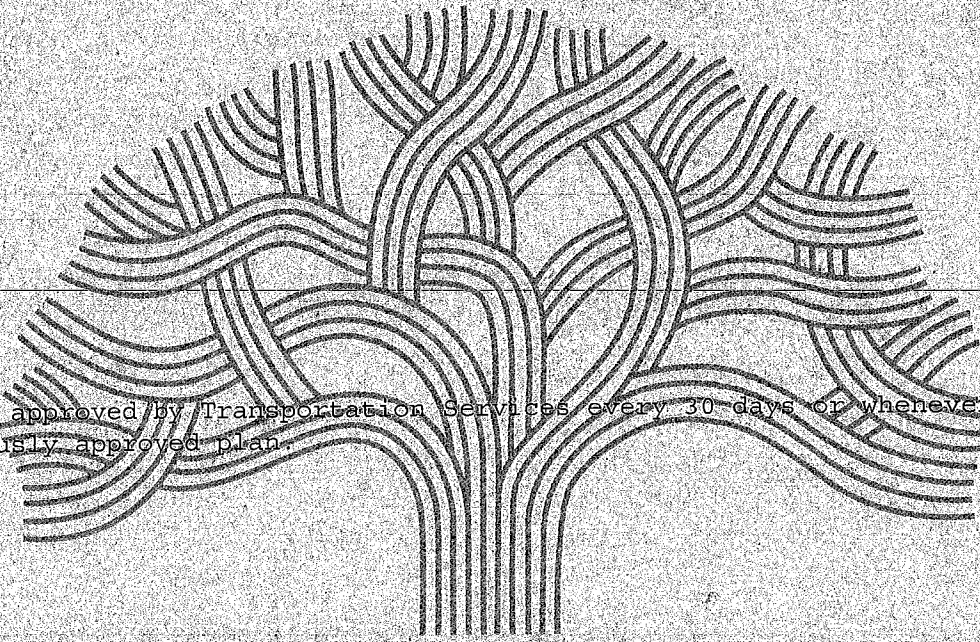
	Applc#	Phone#	Lic#	--License Classes--
Owner	CHIU			
Contractor	VAPOR TECH SERVICES	X (415) 378-0415	916085	C57
Arch/Engr				
Agent	CRA/BRYAN FONG	(510) 420-3369		
Applic Addr	1348 66TH ST, BERKELEY CA, 94702			

\$1,387.90	TOTAL FEES PAID AT FILING
\$71.00	Applic
\$0.00	Process
\$0.00	Gen Plan
\$0.00	Other
\$1,138.50	Permit
\$114.90	Rec Mgmt
\$0.00	Invstg
\$63.50	Tech Enh

\$0.00 TOTAL FEES PAID AT ISSUANCE

JOB SITE

Display on Dashboard



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS:

Applicant: _____
Issued by: _____

DIST:

CITY OF OAKLAND

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Appl# OB110142

Job Site 800 FRANKLIN ST

Parcel# 001 -0193-015-00

Reserve meters on 8th St between Franklin & Broadway. Soil boring. Lane closure on TSD11-0013 separate application. Permit Issued 02/28/11

Non-consecutive dates: Marc 4 & Mar 11-12. One space no fee.

Display on Dashboard

Nbr of days: 3
Effective: 03/04/11

Nbr of meters: 12
Expiration: 03/12/11

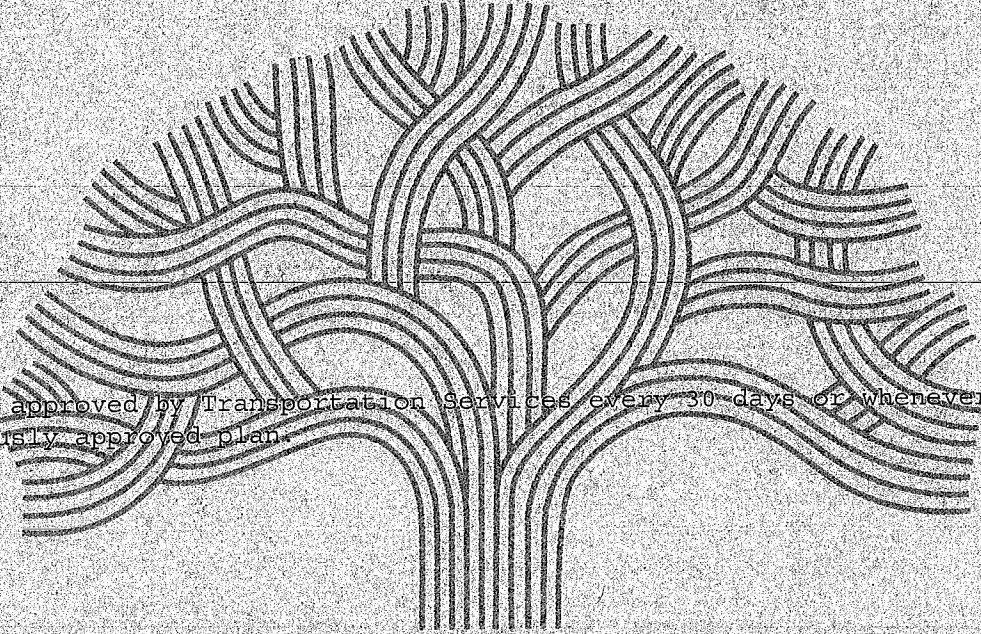
SHORT TERM METERED

Owner	Applicant	Phone#	Lic#	--License Classes--
CHIU CHENTSO	X	(415) 378-0415	916085	C57
Contractor VAPOR TECH SERVICES				
Arch/Engr				
Agent CRA/BRYAN FONG		(510) 420-3369		
Applic Addr 1348 66TH ST, BERKELEY CA, 94702				

\$1,506.67 TOTAL FEES PAID AT ISSUANCE	
\$71.00 Applic	\$1,242.00 Permit
\$.00 Process	\$124.74 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$68.93 Tech Enh

JOB SITE

Display on Dashboard



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS:

Applicant: _____

Issued by: _____

DIST:

CITY OF OAKLAND

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB110143

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Lane closure on 8th St between Franklin & Broadway. Soil boring. Lane closure on TSD11-0013 separate application. Non-consecutive dates: Marc 4 & Mar 11-12. Permit Issued 02/28/11

Display on Dashboard

Nbr of days: 3
 Effective: 03/04/11

Linear feet: 540
 Expiration: 03/12/11

SHORT TERM NON-METERED

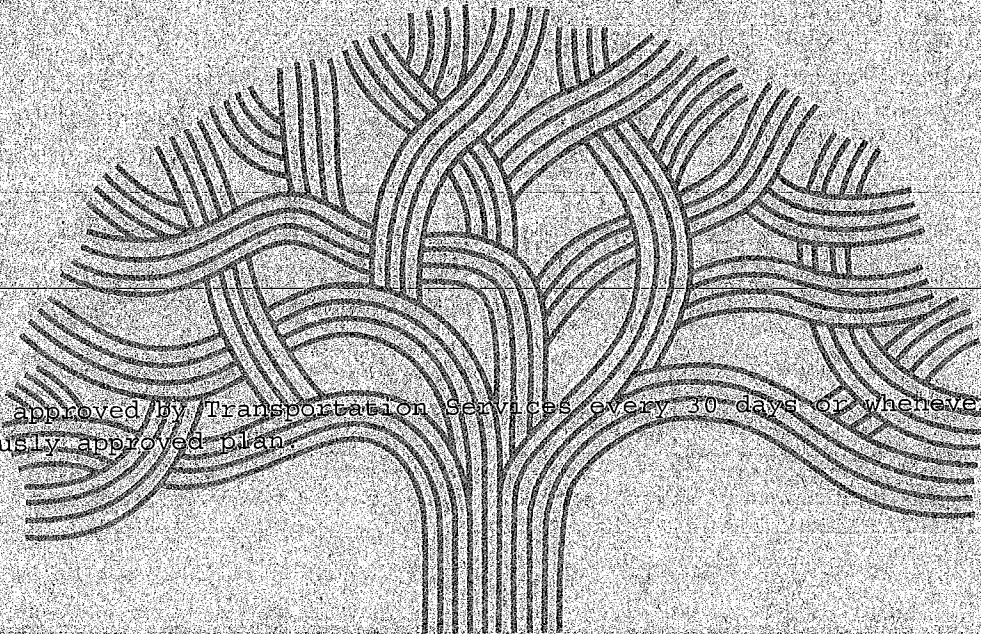
	Applcmt	Phone#	Lic#	--License Classes--
Owner	CHIU CHENTSO			
Contractor	VAPOR TECH SERVICES	X (415) 378-0415	916085	C57
Arch/Engr				
Agent	CRA/BRYAN FONG	(510) 420-3369		
Applic Addr	1348 66TH ST, BERKELEY CA, 94702			

\$1,387.90 TOTAL FEES PAID AT FILING
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\$.00 TOTAL FEES PAID AT ISSUANCE

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Display on Dashboard



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

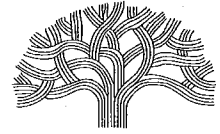
ADDRESS:

Applicant: _____
 Issued by: _____

DIST:

CITY OF OAKLAND

CITY OF OAKLAND



Public Works Agency • 250 Frank H. Ogawa Plaza • Suite 4344 • Oakland, California 94612-2033

Transportation Services Division

Office (510) 238-3466
 FAX (510) 238-7415
 TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: February 25, 2011

TSD Invoice # : 11-0013

To: Bryon A. Fong
 Company: CRA
 Address: 5900 Hollis Street, Ste. A, Emeryville, CA 94608
 Phone: 510-420-3369

*Mar 4
11-12*

Created/Received By: Joe Watson

Location	Description of Work	Project Name / Permit #	# of Hours *
8th Street	Lane Closure		1
Total Hours			1
TSD Service Rate			\$ 123.00
Total Fee			\$ 123.00

* - minimum 1 hour service

FOR CITY USE ONLY	
Cost Center No.	W045
Organization No.	30264
Account No.	45119
Fund No.	1750

Cc: Rosalie

APPLICATION FOR TRAFFIC CONTROL PLAN



City of Oakland

RECEIVED
PUBLIC WORKS AGENCY
TRAFFIC ENGINEERING

11 FEB 11 PM 2:44

Public Works Agency
Transportation Services Division

Transportation Services Fee: \$123/hour
(Check or Money Order Only)

Check the box that apply:

- New Application (Utility, Excavation)
- Renewal Application
- New Development w/ Mgmt Plan
- City of Oakland Project

Please Read the Following Statements Below:

1. Processing time for a Traffic Control Application is a **minimum of 10 business days**.
2. Traffic Control review is scheduled **only on Tuesdays and Thursdays from 8:30am thru 11:30am by appointment only**.
3. A scheduled **appointment** by phone or email with a TSD staff member is necessary to discuss any and all traffic control application and plans.
4. Please **call ahead** to confirm that the traffic control application is ready for pickup @ 510-238-3467.
5. Businesses and residences adjacent to the work area must be provided **72 hour advance notice**.
6. A **completed** traffic control application may be faxed to (510) 238-7415.
7. **Incomplete** traffic control applications will not be processed and returned to applicant immediately.
8. The initial approval for a traffic control plan is 1 month, the renewal submittal may be approved up to 3 months.
9. The traffic control provision dates cannot be changed or extended if work has already commenced.
10. After receiving TSD approval of the traffic control application, contractor shall proceed to the Permit Center to "**Obstruction**" obtain an obstruction permit.

Contact Person: Bryan A. Fong Phone: 510-420-3369
 Name of Company: Conestoga-Rovers & Associates Fax: 510-420-9170
 Address of Company: 5900 Hollis Street, Suite A, Emeryville, CA 94608
 Describe type of work to be performed: Surveying and drilling

Location of work: 8th Street Between* Broadway And* Franklin
 Work date (s): March 1, 2011 through March 18, 2011 Mon-Fri Sat-Sun Work Hours: 8:00 to 16:00 Day Work
20:00 to 5:00 Night Work

Please Follow these Steps in Order to Complete a Traffic Control Plan:

- A. **Drawing Area:** The full width of all streets adjacent to the site **MUST** be included in the drawing. Include the entire block in which your work is located for every street that is adjacent to your site.
- B. **Include Street Names, Direction of Traffic on the Street, and North Arrow**
- C. **Show Existing Number of Lanes in all Directions** (with any pavement arrows)
- D. **Check the Box(s) that Apply:** All checked items **MUST** be shown on the drawing

<input checked="" type="checkbox"/> Lane Closure	<input type="checkbox"/> Use of Median	<input type="checkbox"/> Sidewalk Closure
<input type="checkbox"/> Street Closures (must provide detour plan)	<input type="checkbox"/> Use Parking Lane	(must provide pedestrian walk way)
- E. **Show All Dimensions** of street widths (curb to curb), lane widths, sidewalk widths, and work area dimension.
(Note: Traffic Control Application / Plans missing the above information will not be accepted or processed.)
- F. **Show the Name and Locations** of all advanced warning devices, flaggers, delineators, warning and construction signs to be used.

RENEWAL PROCESS: Resubmit a completed Traffic Control Application with the old approved plan (with the necessary modifications / changes to the plans).

FOR HELP in preparing a traffic control plan, see Temporary Traffic Control Pocket Reference Guide 2007, Work Area Traffic Control Handbook 2006, or the California Manual on Uniform Traffic Control (MUTCD) 2003, Chapter 6.

http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm

For City website: <http://www.oaklandpw.com/Page548.aspx>

* Name the streets that are the boundaries of your work area.

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
 Project Number: TSD-11-0013
 Reviewed By: J. Watson *J. Watson*
 Date: 2/25/2011
 Permit good from 3/1/2011
 to 3/15/2011

ADD NEW SUBSECTION TO READ:
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2006 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

Standard traffic control devices shall be placed at the construction zone according to the latest edition of the Work Area Traffic Control Handbook or Manual on Uniform Traffic Control Devices (MUTCD), Chapter 6 – "Traffic Controls for Construction and Maintenance Work Zone," or as directed by the Engineer.

All trenches and excavations in any public street or roadway shall be back filled and opened to traffic, or covered with suitable steel plates securely placed and opened to traffic at all times except during actual construction operations unless otherwise permitted by the Engineer.

Each section of work shall be completed or temporarily paved and open to traffic in not more than 5 days after commencing work unless otherwise permitted in writing by the Engineer.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

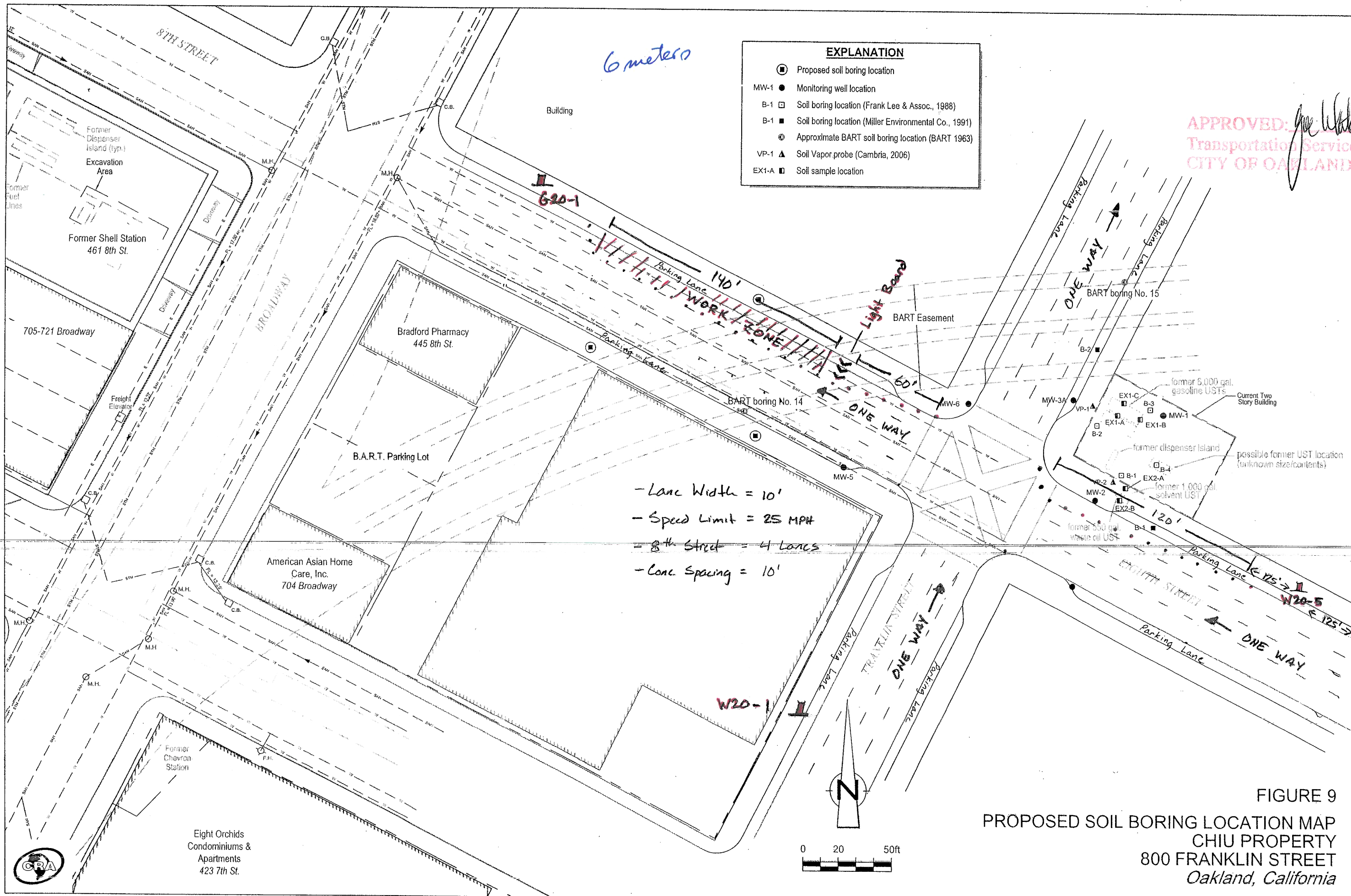
The contractor shall conduct its operation in such a manner as to leave the following traffic lanes unobstructed and in a condition satisfactory for vehicular travel during the Obstruction Period. At all times traffic lanes will be restricted and reopened to travel. Emergency access shall be provided at all times.

Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
8 th Street between Franklin Street and Broadway	Mon. – Fri. 9am – 4pm	N/A	N/A	N/A	3-12' thru lane open minimum

The Contractor Shall Also include all check item:

1. Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
2. Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
3. Provide advance notice to Oakland Police at (510) 777-3333 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
4. Provide 72-hour advance notice to AC Transit at (510) 891-4750 when affecting a bus stop.
5. For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
6. Flagger control is required. Certified Flagger is required.
7. Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
8. Pedestrian traffic shall be maintained and guided through the project at all times.
9. Provide advance notice to Business and Residence within 72-hours.
10. Allow all traffic movement at intersection.

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.



EXPLANATION

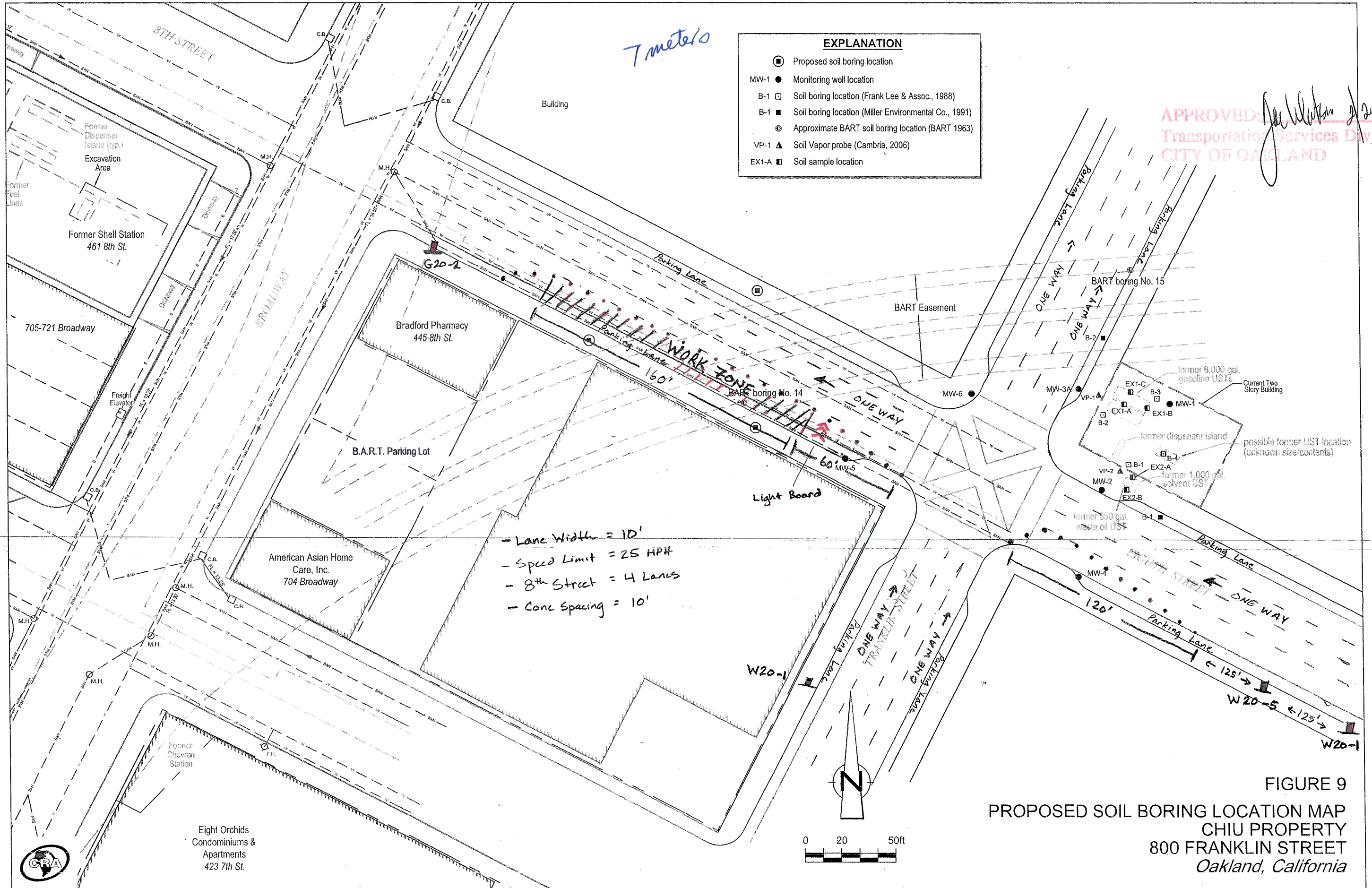
- Proposed soil boring location
- MW-1 ● Monitoring well location
- B-1 □ Soil boring location (Frank Lee & Assoc., 1988)
- B-1 ■ Soil boring location (Miller Environmental Co., 1991)
- ⊙ Approximate BART soil boring location (BART 1963)
- VP-1 ▲ Soil Vapor probe (Cambria, 2006)
- EX1-A ■ Soil sample location

APPROVED: *[Signature]* 2/26/2011
 Transportation Services Division
 CITY OF OAKLAND

6 meters

- Lane Width = 10'
- Speed Limit = 25 MPH
- 8th Street = 4 Lanes
- Conc. Spacing = 10'

FIGURE 9
 PROPOSED SOIL BORING LOCATION MAP
 CHIU PROPERTY
 800 FRANKLIN STREET
 Oakland, California



APPROVED: *[Signature]* 2/25/2011
 Transportation Services Division
 CITY OF OAKLAND

PTS112-DSD

APPLICATION DISPOSITION

5/04/12 15:55:

Next Option: 10

Appl#: X1100238 Station* COUNTER Filed: 02/28/11 Type: 1
 Log-to: 05/04/12 Log-in: Indv: Contr Lic#: 916085
 Address: 800 FRANKLIN ST Suite: Parcel: 001 -0193-015-
 Insp Div: DPW-CONS Dist:

Disposition* F: FINALED

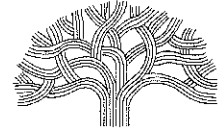
A -Approved	02/28/11	Notice Sent:	By:	Extension:
AX-Expired		Hold Expired:	Issuance Expired:	Notice:
W -Withdrawn				
I -Issued	03/01/11	Resolution#:		
S -Suspended		City Resp:	Applicant Resp:	
PR-Reinstated		Notice Sent:		
CA-Cancelled		City Resp:	Applicant Resp:	
EX-Expired		Not Started:	Abandoned:	Notice:
DN-Denied				
F -Finalled	05/04/12	Certif:		

Comment: REF: ENMI11154.

Hold Permit Issuance: Hold Final Inspection: X Hold Certificate of Occup:

F1=Hlp F3=Ext F5=Chg F7=Fwd F8=Bck F11=Fnd F12=Prv F24=Com
 801 RECORD CHANGED

CITY OF OAKLAND



Public Works Agency • 250 Frank H. Ogawa Plaza • Suite 4344 • Oakland, California 94612-2033

Transportation Services Division

Office (510) 238-3466

FAX (510) 238-7415

TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: April 30, 2012

TSD Invoice #: 12-0071

To: Andrew Renshaw

Company: Conestoga-Rovers & Associates

Address: 5900 Hollis St, Ste A, Emeryville, CA 94608

Phone: 510-420-3368

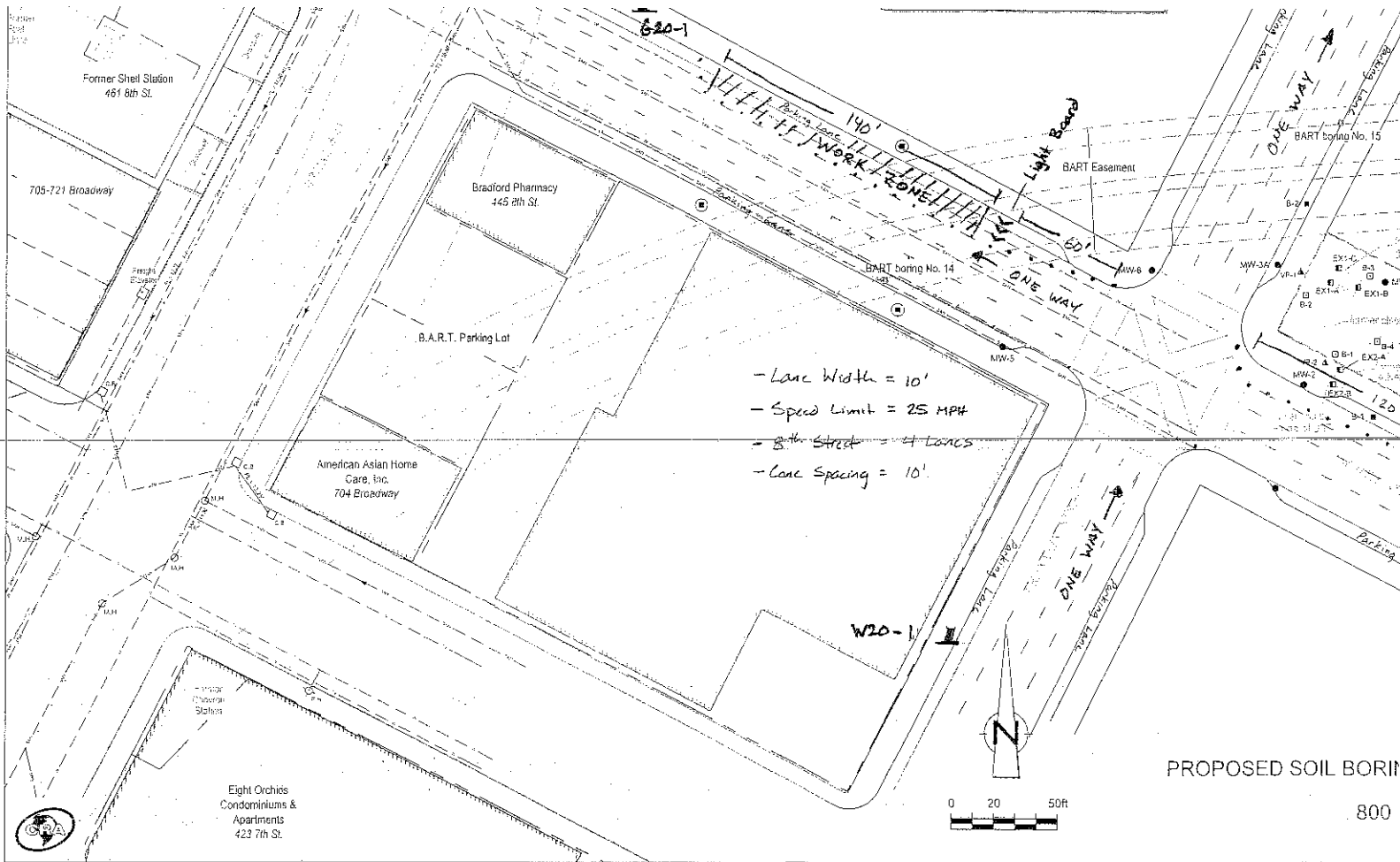
Created/Received By: Bert Chang

Location	Description of Work	Project Name / Permit #	# of Hours *
800 Franklin St	Lane Closure		1.5
Total Hours			1.5
TSD Service Rate			\$ 123.00
Total Fee			\$ 184.50

* - minimum 1 hour service

FOR CITY USE ONLY	
Cost Center No.	W045
Organization No.	30264
Account No.	45119
Fund No.	1750

Cc: Rosalie



- Lane Width = 10'
- Speed Limit = 25 MPH
- 8th Street = 4 Lanes
- Lane Spacing = 10'

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
 Project Number: TSD-12-0071____
 Reviewed By: B.Chang *B.Chang*
 Date: 4/30/2012____
 Permit good from 5/11/2012____
 or 6/15/2012____

ADD NEW SUBSECTION TO READ:
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2006 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

Standard traffic control devices shall be placed at the construction zone according to the latest edition of the Work Area Traffic Control Handbook or Manual on Uniform Traffic Control Devices (MUTCD), Chapter 6 – "Traffic Controls for Construction and Maintenance Work Zone," or as directed by the Engineer.

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Each section of work shall be completed or temporarily paved and open to traffic in not more than 5 days after commencing work unless otherwise permitted in writing by the Engineer.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

The contractor shall conduct its operation in such a manner as to leave the following traffic lanes unobstructed and in a condition satisfactory for vehicular travel during the Obstruction Period. At all times traffic lanes will be restricted and reopened to travel. Emergency access shall be provided at all times.

Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
8 th St between Broadway and Franklin St	Mon. – Fri. 9am – 4pm	Lane Closure Parking Lane Closure	N/A	N/A	N/A

City of Oakland Obstruction Permit is only valid with Inter-Agency coordination documentation. Construction at or near BART Easement will require documentation and contact information of representative allowing work in area,

The Contractor Shall Also include all check item:

1. Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
2. Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
3. Provide advance notice to Oakland Police at (510) 777-3333 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
4. Provide 72-hour advance notice to AC Transit at (510) 891-4909 when affecting a bus stop.
5. For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
6. Flagger control is required. Certified Flagger is required.
7. Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
8. Pedestrian traffic shall be maintained and guided through the project at all times.
9. Provide advance notice to Business and Residence within 72-hours.
10. Allow all traffic movement at intersection.

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.

APPLICATION FOR TRAFFIC CONTROL PLAN

Transportation Services Fee: \$123/hour
(Check or Money Order Only)



City of Oakland

Public Works Agency
Transportation Services Division

- Check the box that apply:
- New Application (Utility, Excavation)
 - Renewal Application
 - New Development w/ Mgmt Plan
 - City of Oakland Project

Please Read the Following Statements Below:

1. Processing time for a Traffic Control Application is a minimum of 10 business days.
2. Traffic Control review is scheduled only on Tuesdays and Thursdays from 8:30am thru 11:30am by appointment only.
3. A scheduled **appointment** by phone or email with a TSD staff member is necessary to discuss any and all traffic control application and plans.
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5. Businesses and residences adjacent to the work area must be provided 72 hour advance notice.
6. A completed traffic control application may be faxed to (510) 238-7415.
7. Incomplete traffic control applications will not be processed and returned to applicant immediately.
8. The initial approval for a traffic control plan is 1 month, the renewal submittal may be approved up to 3 months.
9. The traffic control provision dates cannot be changed or extended if work has already commenced.
10. After receiving TSD approval of the traffic control application, contractor shall proceed to the Permit Center to "Obstruction obtain an obstruction permit.

Contact Person: ANDREW RENSHAW Phone: 510-420-3368
 Name of Company: CONESTOGA-ROVERS & ASSOCIATES Fax: 510-420-NA
 Address of Company: 5900 HOLLIS ST, SUITE A, EMERYVILLE, CA 94608
 Describe type of work to be performed: INSTALLATION OF MONITORING WELL

Location of work: 800 FRANKLIN ST Between* 8TH And* 9TH
 Work date (s): 5/23/12 Mon-Fri Sat-Sun Work Hours: 8AM to 5PM

Please Follow these Steps in Order to Complete a Traffic Control Plan:

- A. Drawing Area: The full width of all streets adjacent to the site **MUST** be included in the drawing. Include the entire block in which your work is located for every street that is adjacent to your site.
- B. Include Street Names, Direction of Traffic on the Street, and North Arrow
- C. Show Existing Number of Lanes in all Directions (with any pavement arrows)
- D. Check the Box(s) that Apply: All checked items MUST be shown on the drawing

<input checked="" type="checkbox"/> Lane Closure	<input type="checkbox"/> Use of Median	<input type="checkbox"/> Sidewalk Closure
<input type="checkbox"/> Street Closures (must provide detour plan)	<input checked="" type="checkbox"/> Use Parking Lane	(must provide pedestrian walk way)
- E. Show All Dimensions of street widths (curb to curb), lane widths, sidewalk widths, and work area dimension.
(Note: Traffic Control Application / Plans missing the above information will not be accepted or processed.)
- F. Show the Name and Locations of all advanced warning devices, flaggers, delineators, warning and construction signs to be used.

* **RENEWAL PROCESS:** Resubmit a completed Traffic Control Application with the old approved plan (with the necessary modifications / changes to the plans).

FOR HELP in preparing a traffic control plan, see Temporary Traffic Control Pocket Reference Guide 2007, Work Area Traffic Control Handbook 2006, or the California Manual on Uniform Traffic Control (MUTCD) 2003, Chapter 6.
http://www.dot.ca.gov/hq/traffops/sign/tech/mutcdsupp/ca_mutcd.htm
 For City website: <http://www.oaklandpw.com/Page548.aspx>

* Name the streets that are the boundaries of your work area.



City of Oakland Public Works Agency

www.oaklandpw.com

Report a Problem - PWA Call Center:

(510) 615-5566 - pwacallcenter@oaklandnet.com

Application for Traffic Control Plan

To obtain an encroachment, obstruction, or excavation permit, you are **REQUIRED** to submit a Traffic Control application. See instructions below.

If your project **MEETS** one or more of the conditions listed below, submit your traffic control application in person or by fax (510-238-7415) to TSD:

Attn: Joe Watson
CEDA, Transportation Services Division (TSD)
250 Frank H. Ogawa, Suite 4344, Oakland, CA 94612

Your project, work site, or limits of work:

1. Is located in a Holiday Restricted Street.
2. Is located in a Limited Duration Street.
3. Is within a street with commercially zoned land uses.
4. Has a work area of one city block or 300 feet or greater in length, whichever is less, along the street.
5. Provides less than 5 feet 6 inches of unobstructed sidewalk for sidewalk related work.
6. Requires lane closure with a work area of one city block or 300 feet or greater in length, whichever is less, along the street.
7. Requires street closures or traffic detour for all work area sizes. Note that depending on the nature of work and size of work area, proposed work in the parking lane may require full or partial street closure.
8. Requires full or partial closure of one or more signalized intersections (i.e. intersections controlled by a traffic signal, pedestrian signal, or railroad crossing signal) for all work area sizes. Note that this does not apply to intersections controlled by STOP or YIELD signs.
9. Is expected to impact State (Caltrans) right-of-way.

A traffic control plan must be prepared in accordance with the traffic control application instructions and the California Manual on Uniform Traffic Control (MUTCD), 2003 or the latest edition, whichever is the most current. For detail

instructions on preparing a traffic control plan, see traffic control application form and reference documents listed below:

- o Temporary Traffic Control Pocket Reference Guide, 2007.
- o Work Area Traffic Control Handbook, 10th edition, 2006.
- o California Manual on Uniform Traffic Control (MUTCD), 2003, Chapter 6.

http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm

Upon approval of your traffic control application by TSD, you are required to pay a TSD processing fee of (one-hour minimum) to a representative at TSD. The TSD review time is a minimum of 10 business days from the day a complete application is received by TSD. Incomplete applications are subject to delays and/or denials. For further information about TSD requirements, contact the TSD front desk at 510-238-3466.

Note that the Permit Center charges a permit fee which is separate from the TSD processing fee described above. To obtain a copy of the reference documents listed above, contact the Permit Center at 510-238-3443 for assistance, or click here for Engineering Permits.

If your project DOES NOT MEET any of the conditions listed above, submit your traffic control application to the Permit Center for same day approval of a permit.

CEDA, Permit Center

250 Frank H. Ogawa, 2nd Floor,

Oakland, CA 94612

photocopies of applicable typical traffic control plans from any of the three reference documents listed below.

- o Temporary Traffic Control Pocket Reference Guide, 2007.
- o Work Area Traffic Control Handbook, 10th edition, 2006.
- o California Manual on Uniform Traffic Control (MUTCD), 2003, Chapter 6.

http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm

Note that no separate review or approval of the traffic control application by TSD is required. No TSD fee is required.

Upon approval by the Permit Center, you are required to pay a permit fee to a representative at the Permit Center. For further assistance, contact the Permit Center at 510-238-3443.

APPENDIX D

WELL CONSTRUCTION DETAILS AND SOIL BORING LOGS

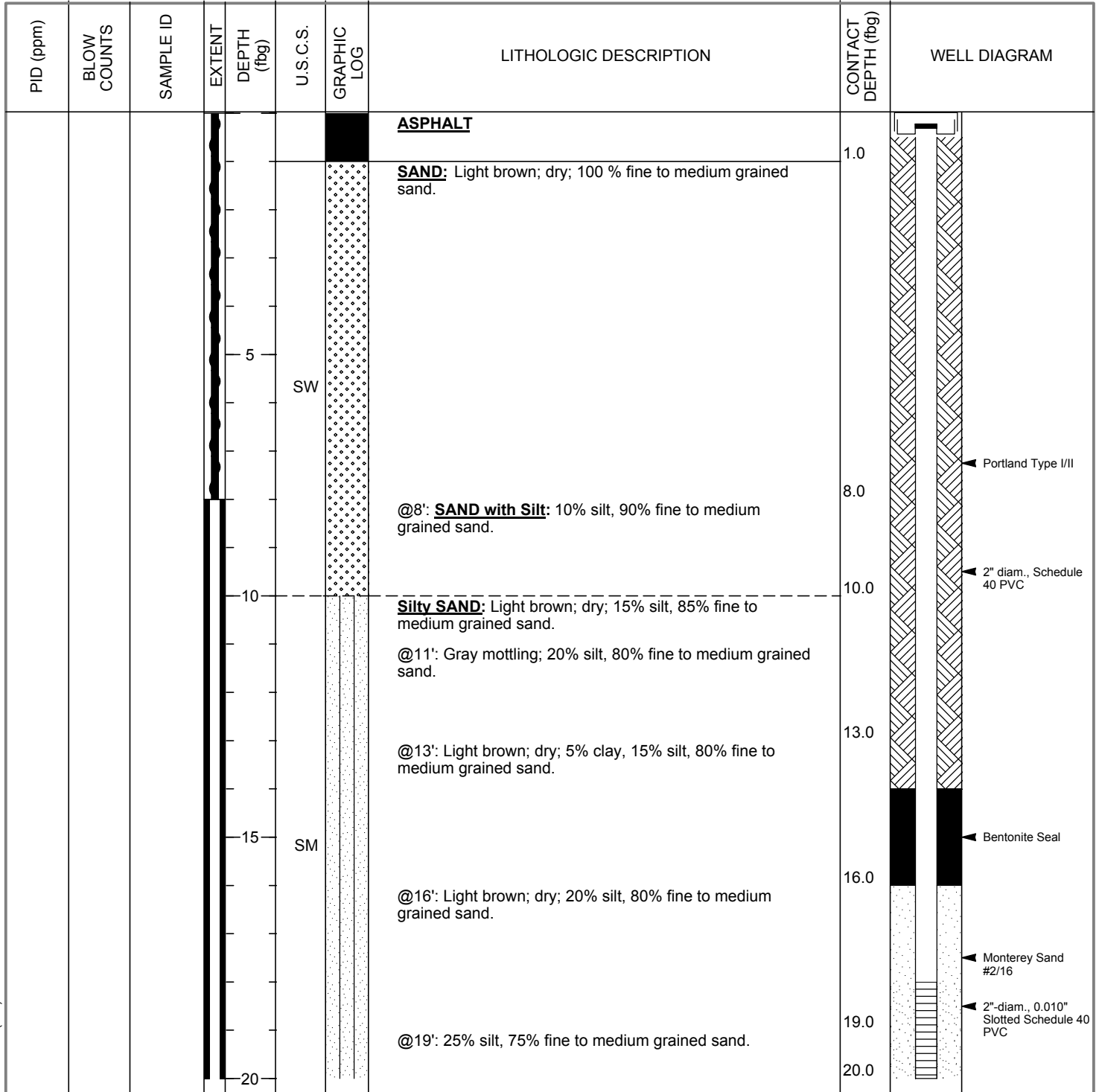


Conestoga Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Tommy Chiu	BORING/WELL NAME	MW-7
JOB/SITE NAME	Chiu Property	DRILLING STARTED	22-May-12
LOCATION	800 Franklin St, Oakland, CA	DRILLING COMPLETED	23-May-12
PROJECT NUMBER	581000	WELL DEVELOPMENT DATE (YIELD)	08-Jun-12
DRILLER	Vapor Tech Services C-57# 916085	GROUND SURFACE ELEVATION	33.75 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	33.49 ft above msl
BORING DIAMETER	8 inches	SCREENED INTERVALS	18 to 35 fbg
LOGGED BY	T. Kirnan	DEPTH TO WATER (First Encountered)	28.00 fbg (23-May-12) ▽
REVIEWED BY	B. Foss PG #7445	DEPTH TO WATER (Static)	22.91 fbg (08-Jun-12) ▽
REMARKS	Utility cleared by air knife assisted vac truck to 8 fbg.		

WELL LOG (PID) I:\IR16-CHARS\581000-581000\581000-158328D-1612120-1.GPJ DEFAULT.GDT 7/9/12



Continued Next Page



Conestoga Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Tommy Chiu	BORING/WELL NAME	MW-7
JOB/SITE NAME	Chiu Property	DRILLING STARTED	22-May-12
LOCATION	800 Franklin St, Oakland, CA	DRILLING COMPLETED	23-May-12

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							@20': 15% silt, 85% fine to medium grained sand.		
					SM		@22': Gray to light brown, moist, 20% silt, 80% fine to medium grained sand.	24.0	
				25			@24': Silty SAND with Clay : Light brown; moist; 10% clay, 20% silt, 70% fine grained sand, low plasticity.		
							@25.5': Silty SAND : Light brown; moist; 20% silt, 80% fine grained sand.	25.5	
					SW		SAND : Light brown; moist; 100% coarse grained sand.	26.0	Monterey Sand #2/16
							Silty SAND : Moderate brown; moist; 20% silt, 80% fine to medium grained sand.	26.5	2" diam., 0.010" Slotted Schedule 40 PVC
							@28': wet		
							@29': 30% silt, 70% fine to medium grained sand.		
				30	SM		@30': 15% silt, 85% fine to medium grained sand, few coarse.	30.0	
							@32': 20% silt, 80% fine to medium grained sand.	32.0	
							@33': Silty SAND with Clay : Moderate brown; moist; 10% clay; 20% silt; 70% fine to medium grained sand.	34.0	
				35	ML		Clayey SILT with Sand : Moderate brown; moist; 20% clay, 70% silt, 10% fine grained sand.	35.0	
									Bottom of Boring @ 35 fbg

WELL LOG (PID) I:\IR16-CHARS\5810--5810001581000--158328D--1612120~1.GPJ DEFAULT.GDT 7/9/12

APPENDIX E

LABORATORY ANALYTICAL REPORTS



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu Property	Date Sampled: 03/11/11-03/12/11
		Date Received: 03/15/11
	Client Contact: Bryan Fong	Date Reported: 03/22/11
	Client P.O.:	Date Completed: 03/18/11

WorkOrder: 1103476

March 22, 2011

Dear Bryan:

Enclosed within are:

- 1) The results of the **3** analyzed samples from your project: **#581000; Chiu Property,**
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
 Pittsburg, CA 94565-1701
 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1103476

ClientCode: CETE

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Bryan Fong
 Conestoga-Rovers & Associates
 5900 Hollis St, Suite A
 Emeryville, CA 94608
 (510) 420-3369 FAX (510) 420-9170

Email: bfong@craworld.com
 cc:
 PO:
 ProjectNo: #581000; Chiu Property

Bill to:

Accounts Payable
 Conestoga-Rovers & Associates
 5900 Hollis St, Ste. A
 Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 03/15/2011

Date Printed: 03/15/2011

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1103476-001	B-7	Water	3/11/2011 21:10	<input type="checkbox"/>	A	A											
1103476-002	B-8	Water	3/11/2011 22:53	<input type="checkbox"/>	A												
1103476-003	B-9	Water	3/12/2011 13:10	<input type="checkbox"/>	A												

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
 Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **3/15/2011 3:23:16 PM**

Project Name: **#581000; Chiu Property**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1103476** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 5.4°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- Metal - pH acceptable upon receipt (pH<2)? Yes No NA
- Samples Received on Ice? Yes No

(Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

=====

Client contacted:

Date contacted:

Contacted by:

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu Property	Date Sampled: 03/11/11-03/12/11
	Client Contact: Bryan Fong	Date Received: 03/15/11
	Client P.O.:	Date Extracted: 03/17/11-03/18/11
		Date Analyzed: 03/17/11-03/18/11

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1103476

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	B-7	W	ND	---	ND	ND	ND	ND	1	101	b1
002A	B-8	W	ND	---	ND	ND	ND	ND	1	105	b1
003A	B-9	W	ND	---	ND	3.0	ND	ND	1	112	b1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 56905

WorkOrder 1103476

Analyte	EPA Method SW8021B/8015Bm		Extraction SW5030B						Spiked Sample ID: 1103468-001A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) [£]	ND	60	100	95	5.16	98.2	93.9	4.48	70 - 130	20	70 - 130	20
MTBE	ND	10	90.3	88.8	1.74	90.2	86.2	4.48	70 - 130	20	70 - 130	20
Benzene	ND	10	106	105	0.756	110	106	3.88	70 - 130	20	70 - 130	20
Toluene	ND	10	107	106	0.611	111	106	4.51	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	106	105	0.828	111	106	4.69	70 - 130	20	70 - 130	20
Xylenes	ND	30	109	108	0.707	114	108	5.07	70 - 130	20	70 - 130	20
%SS:	104	10	99	101	1.59	105	101	3.58	70 - 130	20	70 - 130	20

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

BATCH 56905 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1103476-001A	03/11/11 9:10 PM	03/18/11	03/18/11 2:52 AM	1103476-002A	03/11/11 10:53 PM	03/17/11	03/17/11 6:58 PM
1103476-003A	03/12/11 1:10 PM	03/17/11	03/17/11 11:43 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 = matrix interference and/or 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, or inconsistency in sample containers.



Analytical Report

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu	Date Sampled: 06/25/12
		Date Received: 06/26/12
	Client Contact: Bryan Fong	Date Reported: 06/29/12
	Client P.O.:	Date Completed: 06/27/12

WorkOrder: 1206760

June 29, 2012

Dear Bryan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#581000; Chiu,**
- 2) QC data for the above sample, and
- 3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

The analytical results relate only to the items tested.



1534 Willow Pass Rd
 Pittsburg, CA 94565-1701
 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1206760

ClientCode: CETE

WaterTrax
 WriteOn
 EDF
 Excel
 EQulS
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:
 Bryan Fong
 Conestoga-Rovers & Associates
 5900 Hollis St, Suite A
 Emeryville, CA 94608
 (510) 420-3369 FAX: (510) 420-9170

Email: bfong@croworld.com
 cc: tkirnan@croworld.com
 PO:
 ProjectNo: #581000; Chiu

Bill to:
 Accounts Payable
 Conestoga-Rovers & Associates
 5900 Hollis St, Ste. A
 Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 06/26/2012
Date Printed: 06/26/2012

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1206760-001	MW-7	Water	6/25/2012 4:28	<input type="checkbox"/>	A	A	B										

Test Legend:

1	G-MBTEX_W	2	PREFD REPORT	3	TPH(D)WSG_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
 Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **6/26/2012 12:16:48 PM**

Project Name: **#581000; Chiu**

LogIn Reviewed by: **Maria Venegas**

WorkOrder N°: **1206760** Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 1.3°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

 Comments:



Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu	Date Sampled: 06/25/12
		Date Received: 06/26/12
	Client Contact: Bryan Fong	Date Extracted: 06/27/12
	Client P.O.:	Date Analyzed: 06/27/12

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1206760

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-7	W	ND	ND	ND	ND	ND	ND	1	95	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:



Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu	Date Sampled: 06/25/12
		Date Received: 06/26/12
	Client Contact: Bryan Fong	Date Extracted 06/26/12
	Client P.O.:	Date Analyzed 06/26/12

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 1206760

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1206760-001B	MW-7	W	ND	1	86	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract/matrix interference.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 68657

WorkOrder: 1206760

EPA Method: SW8021B/8015Bm		Extraction: SW5030B					Spiked Sample ID: 1206760-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH(btex) £	ND	60	98.5	94.7	3.89	88.4	70 - 130	20	70 - 130	
MTBE	ND	10	80.5	92.5	13.2	98	70 - 130	20	70 - 130	
Benzene	ND	10	81.7	88.8	8.43	90.6	70 - 130	20	70 - 130	
Toluene	ND	10	82.6	90.6	9.26	90.4	70 - 130	20	70 - 130	
Ethylbenzene	ND	10	81.7	89.9	9.61	91.6	70 - 130	20	70 - 130	
Xylenes	ND	30	82.8	92.3	10.7	93.3	70 - 130	20	70 - 130	
%SS:	95	10	97	92	4.89	92	70 - 130	20	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 68657 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1206760-001A	06/25/12 4:28 AM	06/27/12	06/27/12 4:35 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.
 NR = matrix interference and/or 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, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 68621

WorkOrder: 1206760

EPA Method: SW8015B		Extraction: SW3510C/3630C					Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	107	N/A	N/A	70 - 130	
%SS:	N/A	625	N/A	N/A	N/A	88	N/A	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 68621 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1206760-001B	06/25/12 4:28 AM	06/26/12	06/26/12 6:40 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 $\% \text{ Recovery} = 100 * (\text{MS} - \text{Sample}) / (\text{Amount Spiked}); \text{RPD} = 100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2).$
 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.

APPENDIX F

WELL DEVELOPMENT AND MONITORING FIELD DATA

Vapor Tech Services

Well Development Data Sheet

Project Name: Chiu Property

Site Address: 800 Franklin St., Oakland, CA

Date: 6/8/2012 Technician(s): GR/EZ (JM)

Project No.: 581000

Weather: Sunny

Monitoring Well ID: **MW-7**

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

Total Casing Depth (ft-TOC): 34.89

Floating Immiscible Layer Observed?: No

Depth to Water (ft-TOC): 22.91

Floating Immiscible Layer Thickness (feet): N/A

Water Column Height (feet): 11.98

Sheen Observed? No

(1) Casing Volume (gallons) 1.92

Casing Volumes Notes:

(10) Casing Volumes (gallons) 19.17

2-Inch Dia: 0.16 gallons per ft (Water Column Height (ft) X 0.16)

4-Inch Dia: 0.65 gallons per ft (Water Column Height (ft) X 0.65)

Surge & Bail Method/Equipment: Check valve surge block on steel development pipe/mechanical crane

Purging Method/Equipment: Check valve/tubing followed by electric submersible pump

Temp./pH/Conductivity/Turbidity Meter: YSI 556 MPS Multimeter / Lamotte 2020 Turbidity Meter

Calibration Notes: Calibrated by Equipco on 6/4/12 - secure storage until MW-7 development on 6/8/12

Oil/Water Interface Probe: Solinst Water Level Meter

Groundwater Data: See Page 2

Vapor Tech Services

Well Development Data Sheet

Project Name: Chiu Property

Site Address: 800 Franklin St., Oakland, CA

Date: 6/8/2012 Technician(s): GREZ (JM)

Project No.: 581000

Weather: Sunny

Monitoring Well ID: MW-7

Casing Diameter: 2" 4" 6" Other

Casing Material: SCH 40-PVC Other: S. Steel

TIME	Purge Volumes		Groundwater Parameters				Comments:
	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	Turbidity (NTU)	
9:45	--	--	--	--	--	--	Begin Surge
10:10	--	--	--	--	--	--	End Surge
10:15	--	--	--	--	--	--	Begin Purge Using Check Valve/Tubing
10:50	13	13	--	--	--	--	Finish Purging With the Check Valve/Tubing
10:59	2	15	22.5	7.02	15	over range	Begin Purging Using the Submersible Pump
11:03	2	17	20.9	7.11	10	over range	D.O.: 134.7 % ORP: 91.8
11:06	2	19	21.6	6.62	10	1053	D.O.: 129.9 % ORP: 78.6
11:09	2	21	21.5	6.97	9	619	D.O.: 129.2 % ORP: 91.7
11:11	2	23	21.1	6.55	7	730	D.O.: 1136.8 % ORP: 91.7
11:13	2	25	20.4	6.73	6	997	D.O.: 112.3 % ORP: 75.8
11:21	2	27	20.8	6.84	5	182	D.O.: 126.4 % ORP: 75.9
11:23	2	29	20.7	7.08	4	885	D.O.: 124.1 % ORP: 81.1
11:25	2	31	20.3	7.14	3	763	D.O.: 134.1 % ORP: 83.0
11:28	2	33	20.5	7.05	6	733	D.O.: 135.6 % ORP: 81.3
11:35	4	37	21.4	7.12	3	over range	D.O.: 138.9 % ORP: 118.6
11:39	4	41	20.5	7.24	8	643	D.O.: 140.5 % ORP: 80.4
11:43	4	45	21.3	7.07	7	745	D.O.: 141.1 % ORP: 112.5
11:47	4	49	21.8	7.22	3	444	D.O.: 111.6 % ORP: 91.4
11:49	2	51	--	--	--	302	-- --
11:52	2	53	21.9	7.12	3	122	D.O.: 126.2 % ORP: 98.2
11:53	2	55	--	--	--	49.3	-- --
11:55	2	57	20.4	7.13	3	42.8	D.O.: 132.4 % ORP: 83.6
11:56	2	59	--	--	--	12.8	-- --
11:58	2	61	20.9	7.13	2	15	D.O.: 123.8 % ORP: 105.3

Total Volume Purged (gallons):

61

Time Finished Purging:

11:58

APPENDIX G

WELL SURVEY DATA

Virgil Chavez Land Surveying

721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

July 3, 2012
Project No.: 2640-28

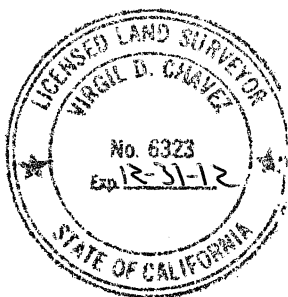
Tarah Kirnan
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

Subject: Monitoring Well Survey
Chiu Property
800 Franklin Street
Oakland, Ca.

Dear Tarah:

This is to confirm that we have proceeded at your request to survey the new well at the above referenced location. The survey was completed on June 8, 2012. The benchmark for this survey was a City of Oakland benchmark, a brass pin in the crosswalk on 8th Street on the west side of Broadway. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83). Benchmark Elevation = 33.84 feet (NGVD 29)

<u>Latitude</u>	<u>Longitude</u>	<u>Northing</u>	<u>Easting</u>	<u>Elev.</u>	<u>Desc.</u>
37.8000009	-122.2731215	2118613.33	6049399.70	33.75	RIM MW-7
				33.49	TOC MW-7



Sincerely,

Virgil D. Chavez
Virgil D. Chavez, PLS 6323

APPENDIX H

WASTE DISPOSAL DOCUMENTATION



One Team Waste Services

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

PROJECT SUMMARY

TO:	Calvin Hee, Bryan Fong	REF. NO:	581000
CLIENT NAME:	Chiu	CLIENT PM:	
FROM:	Cortlandt Toczylowski	DATE:	4/18/2011
SUPPLIER PM	Calvin Hee, Bryan Fong	SUPPLIER COMPANY:	CRA

RE: Disposal of 1 drum of Non-haz water on 3/4/11, and disposal of 1 drum of soil and 1 drum of water on 3/12/11.

GENERATOR/ SITE INFORMATION

Facility Name: Chiu - Oakland
Location: 800 Franklin Street, Oakland, CA

SHIPPING INFORMATION

Disposal Vendor: Crosby and Overton, Inc. Soil Safe	Transportation Vendor: American Integrated Services, Inc
Manifest No: 215082, 36989, 215081	Ship Date: 3/4/11 and 3/12/11

DISPOSAL FACILITY INFORMATION

Facility: Crosby & Overton, Inc., 1630 W 16th Street, Long Beach, CA 90813 (water)
Soil Safe, 12328 Hibiscus Rd., Adelanto, CA 92301

Received Date: 3/31/11; 4/1/11

WASTESTREAM INFORMATION

Waste stream Names:

- | | |
|-----------------------|-------------------|
| • Non Hazardous Water | Approval: 27578 |
| • Non Hazardous Soil | Approval: 7704908 |

ATTACHMENTS

- | | |
|--|--|
| Waste Manifest/ Bill of Lading <input checked="" type="checkbox"/> | Vendor Profile Request <input type="checkbox"/> |
| Analytical Data <input checked="" type="checkbox"/> | Vendor Profile Approval <input type="checkbox"/> |
| Continuation Waste Manifest Sheet <input type="checkbox"/> | Other: <input type="checkbox"/> |

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
NOT REQUIRED

2. Page 1 of 1
3. Emergency Response Phone
888-423-8060

4. Waste Tracking Number
215082

5. Generator's Name and Mailing Address
City:
5000 Hollis Street, Suite A
Emeryville, CA 94608

Generator's Site Address (if different than mailing address)
City:
800 Franklin St.
Oakland, CA 94607

6. Transporter 1 Company Name
American Integrated Services, Inc.

U.S. EPA ID Number
CAR000148330

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Crosby & Overton, Inc.
1630 W 16th Street
Long Beach, CA 90813 562-432-5445

U.S. EPA ID Number
CAD0023409010

9a.	9b. U.S. DOT Description (including Proper Shipping Name)	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1.	Non-Hazardous Waste Liquid	1	TI DWA	5	6
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (888) 423-8060 (AIS Dispatcher).
Profile #: 27570
Project #: 71006-2-25
L1510
L1610

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name
James J. ...

Signature
[Signature]

Month Day Year
2 4 11

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

16. Transporter Acknowledgement of Receipt of Materials
Transporter 1 Printed/Typed Name
Isaac Salceda

Signature
[Signature]

Month Day Year
3 4 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
Facility's Phone: _____ U.S. EPA ID Number

17c. Signature of Alternate Facility (or Generator)
Month Day Year

H125

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a
Printed/Typed Name
[Name]

Signature
[Signature]

Month Day Year
11 11 11

GENERATOR
INT'L
TRANSPORTER
DESIGNED FACILITY

Soil Safe of California, Inc.

12328 Hibiscus Ave. Adelanto, CA 92301

ADE 90975

WEIGHMASTER CERTIFICATE

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

Manifest Number: A3-6989 Load #: 1

4/1/2011

Generator Site Information:

CHIU
800 FRANKLIN STREET

OAKLAND, CA 94607

Weighmaster Weighed at:

SOIL SAFE OF CALIFORNIA, INC..
12328 HIBISCUS AVE
ADELANTO, CA 92301

			<u>Lbs</u>	<u>Tons</u>	
J Provansal	Time In: 1:44:28 PM	Gross Weight:	28680	14.34	Manual Wt
J Provansal	Time out: 1:44:30 PM	Tare Weight:	28120	14.06	Manual Wt
		Net Weight:	560	0.28	

Truck Number: 534

Trailer Number: 214

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - RIGO

Manifest

TPST Soil Recyclers of CA Non-Hazardous Soils

Manifest # 36489

Load # 0101

Date of Shipment:	Responsible for Payment: Transporter	Transporter Truck #:	Facility #: A07	Given by TPST: 36489	Load #: 0101
Generator's Name and Billing Address: Chiu 600 Hollis Street, Suite A Emeryville, CA 94600		Generator's Phone #:		Generator's US EPA ID No.	
Person to Contact:		FAX#:		Customer Account Number with TPST:	
Consultant's Name and Billing Address:		Consultant's Phone #:		Customer Account Number with TPST:	
Person to Contact:		FAX#:		Customer Account Number with TPST:	
Generation Site (Transport from): (name & address) Chiu 800 Franklin St. Oakland, CA 94607		Site Phone #:		BTEX Levels:	
Person to Contact:		FAX#:		TPH Levels:	
Designated Facility (Transport to): (name & address) Soil Care 12320 Hibiscus Rd. Adelanto, CA 92301-1700		Facility Phone #: (800) 882-8001		Facility Permit Numbers:	
Person to Contact:		FAX#: (760) 248-1104		TPH Levels:	
Transporter Name and Mailing Address: American Integrated Services, Inc. P.O. Box 82316 Long Beach, CA 90809-2316		Transporter's Phone #: (310) 522-1168		Transporter's US EPA ID No. CAR000148330	
Person to Contact: Jennifer Sherman		FAX#: (310) 522-0474		Transporter's DOT No. 7704908	
Customer Account Number with TPST:		Customer Account Number with TPST:		Customer Account Number with TPST:	

Generator and/or Consultant

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	1		28120	28120	560
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					28

List any exception to items listed above: **AIS Permit # 7100A-2-25** Scale Ticket# **90975**

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: **Bryan A. Fong (Agent for Chiu)** Generator Consultant Signature and date: *Bryan A. Fong* Month: **3** Day: **12** Year: **11**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Rigo Valencia** Signature and date: *Rigo Valencia* Month: **03** Day: **12** Year: **11**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name: Signature and date: *[Signature]* **4/1/11**

Please print or type.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
NOT REQUIRED

2. Page 1 of 1

3. Emergency Response Phone
800-423-6060

4. Waste Tracking Number
215081

5. Generator's Name and Mailing Address

Chiu
5000 Hollis Street, Suite A

Generator's Site Address (if different than mailing address)

Chiu
800 Franklin St.

Generator's Phone

Emeryville, CA 94608

Oakland, CA 94607

6. Transporter 1 Company Name

American Integrated Services, Inc.

U.S. EPA ID Number

CA1000148338

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Crosby & Overton, Inc.
1830 W. 18th Street

U.S. EPA ID Number

CAD028403019

Facility's Phone:

Long Beach, CA. 90813 562-432-5445

9a.	9b. U.S. DOT Description (including Proper Shipping Name)	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1.	Non-Hazardous Waste Liquid	1	T DM	50	6
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (800) 423-6060 (AIS Dispatcher).

Profile #: 27578
Project #: 71006-2-25

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Bryan A. Fourn (Agent for Chiu)

Signature

Bryan A. Fourn

Month Day Year

12 12 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name

Rico Valencia

Signature

Rico Valencia

Month Day Year

03 12 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

H135

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

...


Signature

...

Month Day Year

03 31 11

GW monitoring data 3Q-2010
for Calvin Hee drum

 McC Campbell Analytical, Inc. "When Quality Counts"	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269	
	Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu Client Contact: Bryan Fong Client P.O.:

WorkOrder: 1009107

September 10, 2010

Dear Bryan:

Enclosed within are:

- 1) The results of the 6 analyzed samples from your project: #581000; Chiu,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,



Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

1009107

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

Bryan Fengel per email

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: <u>Bob Foss</u>		Bill To: <u>Conestoga-Rovers & Associates</u>		Analysis Request												Other	Comments
Company: <u>Conestoga-Rovers & Associates</u>		E-Mail: <u>bfoss@crworld.com</u>		<input type="checkbox"/> Total Petroleum Oil & Grease (1654 / 5520 L/RSL) <input type="checkbox"/> Total Petroleum Hydrocarbons (418-1) <input type="checkbox"/> EPA 502.2 / 601 / 8010 / 8021 (HYOCs) <input type="checkbox"/> MTBE / BTEX ONLY (EPA 602 / 8021) <input type="checkbox"/> EPA 505/608 / 8081 (CI Pesticides) <input type="checkbox"/> EPA 608 / 8082 (CB's ONLY; Atracetyls / Congeners) <input type="checkbox"/> EPA 507 / 8141 (NP Pesticides) <input type="checkbox"/> EPA 515 / 8151 (Acidic CI Herbicides) <input type="checkbox"/> EPA 524.1 / 624 / 8260 (VOCs) <input type="checkbox"/> EPA 525.2 / 625 / 8270 (SVOCs) <input type="checkbox"/> EPA 8270 SIM / 8310 (PAHs / PNAs) <input type="checkbox"/> CASM 17 Metals (200.7 / 200.8 / 6010 / 6020) <input type="checkbox"/> LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020) <input type="checkbox"/> Lead (200.7 / 200.8 / 6010 / 6020) <input type="checkbox"/> Filter sample for DISSOLVED metals analysis													**Indicate here if these samples are potentially dangerous to handle:
5100 HOLLIS ST, Ste. A		E-Mail: <u>cheep@crworld.com</u>															
Emercyville, CA		Fax: (510) 420-9170															
Tele: (510) 420-3348		Project Name: <u>Chiu</u>															
Project #: <u>581000</u>		Project Location: <u>800 Franklin St, Oakland, CA</u>															
Sampler Signature: <u>Muskan Environmental Sampling</u>																	

- + MW-1
- + MW-2
- ✓ MW-3A
- + MW-4
- + MW-5
- ✓ MW-6
- ✓ TB

TPH as Gas (602 / 8021 + 8015)
 TPH as Diesel (8015)
 Total Petroleum Oil & Grease (1654 / 5520 L/RSL)
 Total Petroleum Hydrocarbons (418-1)
 EPA 502.2 / 601 / 8010 / 8021 (HYOCs)
 MTBE / BTEX ONLY (EPA 602 / 8021)
 EPA 505/608 / 8081 (CI Pesticides)
 EPA 608 / 8082 (CB's ONLY; Atracetyls / Congeners)
 EPA 507 / 8141 (NP Pesticides)
 EPA 515 / 8151 (Acidic CI Herbicides)
 EPA 524.1 / 624 / 8260 (VOCs)
 EPA 525.2 / 625 / 8270 (SVOCs)
 EPA 8270 SIM / 8310 (PAHs / PNAs)
 CASM 17 Metals (200.7 / 200.8 / 6010 / 6020)
 LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)
 Lead (200.7 / 200.8 / 6010 / 6020)
 Filter sample for DISSOLVED metals analysis

Filter sample for DISSOLVED metals analysis
 VOC basic target list 8260B

**MAI client MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By: <u>[Signature]</u>	Date: <u>9/3/10</u>	Time: <u>1:15</u>	Received By: <u>[Signature]</u>	ICE# <u>4-80</u> GOOD CONDITION <input checked="" type="checkbox"/> HEAD SPACE ABSENT <input checked="" type="checkbox"/> DECHLORINATED IN LAB <input checked="" type="checkbox"/> APPROPRIATE CONTAINERS <input checked="" type="checkbox"/> PRESERVED IN LAB <input checked="" type="checkbox"/> PRESERVATION <input checked="" type="checkbox"/> VOAS <input checked="" type="checkbox"/> O&G <input checked="" type="checkbox"/> METALS <input checked="" type="checkbox"/> OTHER <input checked="" type="checkbox"/> pH < 2	COMMENTS: lower reporting limits (closer to 0.54ug/L) for VOCs (vinylchloride, TCE, chloro) by 8260B
Relinquished By:	Date:	Time:	Received By:		
Relinquished By:	Date:	Time:	Received By:		

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1009107

ClientCode: CETE

- WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Bryan Fong
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3369 FAX (510) 420-9170

Email: bfong@croworld.com
CC:
PO:
ProjectNo: #581000; Chiu

Bill to:

Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 09/03/2010

Date Printed: 09/07/2010

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
1009107-001	MW-1	Water	9/3/2010 10:57	<input type="checkbox"/>	B	A	A											
1009107-002	MW-2	Water	9/3/2010 8:42	<input type="checkbox"/>	B	A												
1009107-003	MW-3A	Water	9/3/2010 7:48	<input type="checkbox"/>	B	A												
1009107-004	MW-4	Water	9/3/2010 4:54	<input type="checkbox"/>	B	A												
1009107-005	MW-5	Water	9/3/2010 5:47	<input type="checkbox"/>	B	A												
1009107-006	MW-6	Water	9/3/2010 6:44	<input type="checkbox"/>	B	A												

Test Legend:

1	8260B W	2	G-MBTX W	3	PREF REPORT	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **9/3/2010 3:04:39 PM**

Project Name: **#581000; Chiu**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1009107** Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

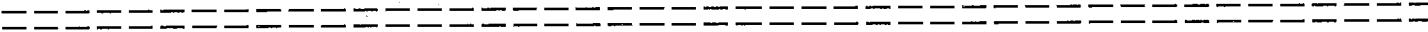
- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 4.8°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- Metal - pH acceptable upon receipt (pH<2)? Yes No NA
- Samples Received on Ice? Yes No

(Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.



Client contacted:

Date contacted:

Contacted by:

Comments:



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu	Date Sampled: 09/03/10
		Date Received: 09/03/10
	Client Contact: Bryan Fong	Date Extracted: 09/07/10
	Client P.O.:	Date Analyzed: 09/07/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1009107

Lab ID	1009107-001B						
Client ID	MW-1						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	1.2	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
Hexachlorobutadiene	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
Styrene	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	Xylenes	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5				

Surrogate Recoveries (%)

%SS1:	106	%SS2:	99
%SS3:	88		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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		Date Received: 09/03/10
	Client Contact: Bryan Fong	Date Extracted: 09/07/10
	Client P.O.:	Date Analyzed: 09/07/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1009107

Lab ID	1009107-002B
Client ID	MW-2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<250	25	10	tert-Amyl methyl ether (TAME)	ND<12	25	0.5
Benzene	320	25	0.5	Bromobenzene	ND<12	25	0.5
Bromochloromethane	ND<12	25	0.5	Bromodichloromethane	ND<12	25	0.5
Bromoform	ND<12	25	0.5	Bromomethane	ND<12	25	0.5
2-Butanone (MEK)	ND<50	25	2.0	t-Butyl alcohol (TBA)	ND<50	25	2.0
n-Butyl benzene	15	25	0.5	sec-Butyl benzene	ND<12	25	0.5
tert-Butyl benzene	ND<12	25	0.5	Carbon Disulfide	ND<12	25	0.5
Carbon Tetrachloride	ND<12	25	0.5	Chlorobenzene	ND<12	25	0.5
Chloroethane	ND<12	25	0.5	Chloroform	ND<12	25	0.5
Chloromethane	ND<12	25	0.5	2-Chlorotoluene	ND<12	25	0.5
4-Chlorotoluene	ND<12	25	0.5	Dibromochloromethane	ND<12	25	0.5
1,2-Dibromo-3-chloropropane	ND<5.0	25	0.2	1,2-Dibromoethane (EDB)	ND<12	25	0.5
Dibromomethane	ND<12	25	0.5	1,2-Dichlorobenzene	ND<12	25	0.5
1,3-Dichlorobenzene	ND<12	25	0.5	1,4-Dichlorobenzene	ND<12	25	0.5
Dichlorodifluoromethane	ND<12	25	0.5	1,1-Dichloroethane	ND<12	25	0.5
1,2-Dichloroethane (1,2-DCA)	ND<12	25	0.5	trans-1,2-Dichloroethene	ND<12	25	0.5
cis-1,2-Dichloroethene	ND<12	25	0.5	1,3-Dichloropropane	ND<12	25	0.5
1,2-Dichloropropane	ND<12	25	0.5	1,1-Dichloropropene	ND<12	25	0.5
2,2-Dichloropropane	ND<12	25	0.5	trans-1,3-Dichloropropene	ND<12	25	0.5
cis-1,3-Dichloropropene	ND<12	25	0.5	Ethylbenzene	140	25	0.5
Diisopropyl ether (DIPE)	ND<12	25	0.5	Freon 113	ND<250	25	10
Ethyl tert-butyl ether (ETBE)	ND<12	25	0.5	Hexachloroethane	ND<12	25	0.5
Hexachlorobutadiene	ND<12	25	0.5	Isopropylbenzene	43	25	0.5
2-Hexanone	ND<12	25	0.5	Methyl-t-butyl ether (MTBE)	ND<12	25	0.5
4-Isopropyl toluene	ND<12	25	0.5	4-Methyl-2-pentanone (MIBK)	ND<12	25	0.5
Methylene chloride	ND<12	25	0.5	n-Propyl benzene	71	25	0.5
Naphthalene	71	25	0.5	1,1,1,2-Tetrachloroethane	ND<12	25	0.5
Styrene	ND<12	25	0.5	Tetrachloroethene	ND<12	25	0.5
1,1,2,2-Tetrachloroethane	ND<12	25	0.5	1,2,3-Trichlorobenzene	ND<12	25	0.5
Toluene	290	25	0.5	1,1,1-Trichloroethane	ND<12	25	0.5
1,2,4-Trichlorobenzene	ND<12	25	0.5	Trichloroethene	ND<12	25	0.5
1,1,2-Trichloroethane	ND<12	25	0.5	1,2,3-Trichloropropane	ND<12	25	0.5
Trichlorofluoromethane	ND<12	25	0.5	1,3,5-Trimethylbenzene	120	25	0.5
1,2,4-Trimethylbenzene	570	25	0.5	Xylenes	970	25	0.5
Vinyl Chloride	ND<12	25	0.5				

Surrogate Recoveries (%)

%SS1:	104	%SS2:	98
%SS3:	97		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu	Date Sampled: 09/03/10
		Date Received: 09/03/10
	Client Contact: Bryan Fong	Date Extracted: 09/09/10
	Client P.O.:	Date Analyzed: 09/09/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1009107

Lab ID		1009107-003B					
Client ID		MW-3A					
Matrix		Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2500	250	10	tert-Amyl methyl ether (TAME)	ND<120	250	0.5
Benzene	5300	250	0.5	Bromobenzene	ND<120	250	0.5
Bromochloromethane	ND<120	250	0.5	Bromodichloromethane	ND<120	250	0.5
Bromoform	ND<120	250	0.5	Bromomethane	ND<120	250	0.5
2-Butanone (MEK)	ND<500	250	2.0	t-Butyl alcohol (TBA)N	D<500	250	2.0
n-Butyl benzene	ND<120	250	0.5	sec-Butyl benzene	ND<120	250	0.5
tert-Butyl benzene	ND<120	250	0.5	Carbon Disulfide	ND<120	250	0.5
Carbon Tetrachloride	ND<120	250	0.5	Chlorobenzene	ND<120	250	0.5
Chloroethane	ND<120	250	0.5	Chloroform	ND<120	250	0.5
Chloromethane	ND<120	250	0.5	2-Chlorotoluene	ND<120	250	0.5
4-Chlorotoluene	ND<120	250	0.5	Dibromochloromethane	ND<120	250	0.5
1,2-Dibromo-3-chloropropane	ND<50	250	0.2	1,2-Dibromoethane (EDB)	ND<120	250	0.5
Dibromomethane	ND<120	250	0.5	1,2-Dichlorobenzene	ND<120	250	0.5
1,3-Dichlorobenzene	ND<120	250	0.5	1,4-Dichlorobenzene	ND<120	250	0.5
Dichlorodifluoromethane	ND<120	250	0.5	1,1-Dichloroethane	ND<120	250	0.5
1,2-Dichloroethane (1,2-DCA)	ND<120	250	0.5	1,1-Dichloroethene	ND<120	250	0.5
cis-1,2-Dichloroethene	ND<120	250	0.5	trans-1,2-Dichloroethene	ND<120	250	0.5
1,2-Dichloropropane	ND<120	250	0.5	1,3-Dichloropropane	ND<120	250	0.5
2,2-Dichloropropane	ND<120	250	0.5	1,1-Dichloropropene	ND<120	250	0.5
cis-1,3-Dichloropropene	ND<120	250	0.5	trans-1,3-Dichloropropene	ND<120	250	0.5
Diisopropyl ether (DIPE)	ND<120	250	0.5	Ethylbenzene	1100	250	0.5
Ethyl tert-butyl ether (ETBE)	ND<120	250	0.5	Freon 113	ND<2500	250	10
Hexachlorobutadiene	ND<120	250	0.5	Hexachloroethane	ND<120	250	0.5
2-Hexanone	ND<130	250	0.5	Isopropylbenzene	ND<120	250	0.5
4-Isopropyl toluene	ND<120	250	0.5	Methyl-t-butyl ether (MTBE)	ND<120	250	0.5
Methylene chloride	ND<120	250	0.5	4-Methyl-2-pentanone (MIBK)	ND<120	250	0.5
Naphthalene	160	250	0.5	n-Propyl benzene	ND<120	250	0.5
Styrene	ND<120	250	0.5	1,1,1,2-Tetrachloroethane	ND<120	250	0.5
1,1,2,2-Tetrachloroethane	ND<120	250	0.5	Tetrachloroethene	ND<120	250	0.5
Toluene	6500	250	0.5	1,2,3-Trichlorobenzene	ND<120	250	0.5
1,2,4-Trichlorobenzene	ND<120	250	0.5	1,1,1-Trichloroethane	ND<120	250	0.5
1,1,2-Trichloroethane	ND<120	250	0.5	Trichloroethene	ND<120	250	0.5
Trichlorofluoromethane	ND<120	250	0.5	1,2,3-Trichloropropane	ND<120	250	0.5
1,2,4-Trimethylbenzene	580	250	0.5	1,3,5-Trimethylbenzene	130	250	0.5
Vinyl Chloride	ND<120	250	0.5	Xylenes	5100	250	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	99
%SS3:	87		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; (&) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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	Client Contact: Bryan Fong	Date Extracted: 09/07/10
	Client P.O.:	Date Analyzed: 09/07/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1009107

Lab ID	1009107-004B
Client ID	MW-4
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	98	%SS2:	96
%SS3:	98		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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		Date Received: 09/03/10
	Client Contact: Bryan Fong	Date Extracted: 09/07/10
	Client P.O.:	Date Analyzed: 09/07/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1009107

Lab ID	1009107-005B						
Client ID	MW-5						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	7.2	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	99	%SS2:	95
%SS3:	97		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701

Web: www.mcccampbell.com E-mail: main@mcccampbell.com

Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #581000; Chiu	Date Sampled: 09/03/10
		Date Received: 09/03/10
	Client Contact: Bryan Fong	Date Extracted: 09/07/10
	Client P.O.:	Date Analyzed: 09/07/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1009107

Lab ID	1009107-006B						
Client ID	MW-6						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<500	50	10	tert-Amyl methyl ether (TAME)	ND<25	50	0.5
Benzene	1500	50	0.5	Bromobenzene	ND<25	50	0.5
Bromochloromethane	ND<25	50	0.5	Bromodichloromethane	ND<25	50	0.5
Bromoform	ND<25	50	0.5	Bromomethane	ND<25	50	0.5
2-Butanone (MEK)	ND<100	50	2.0	t-Butyl alcohol (TBAH)	D<100	50	2.0
n-Butyl benzene	ND<25	50	0.5	sec-Butyl benzene	ND<25	50	0.5
tert-Butyl benzene	ND<25	50	0.5	Carbon Disulfide	ND<25	50	0.5
Carbon Tetrachloride	ND<25	50	0.5	Chlorobenzene	ND<25	50	0.5
Chloroethane	ND<25	50	0.5	Chloroform	ND<25	50	0.5
Chloromethane	ND<25	50	0.5	2-Chlorotoluene	ND<25	50	0.5
4-Chlorotoluene	ND<25	50	0.5	Dibromochloromethane	ND<25	50	0.5
1,2-Dibromo-3-chloropropane	ND<10	50	0.2	1,2-Dibromoethane (EDB)	ND<25	50	0.5
Dibromomethane	ND<25	50	0.5	1,2-Dichlorobenzene	ND<25	50	0.5
1,3-Dichlorobenzene	ND<25	50	0.5	1,4-Dichlorobenzene	ND<25	50	0.5
Dichlorodifluoromethane	ND<25	50	0.5	1,1-Dichloroethane	ND<25	50	0.5
1,2-Dichloroethane (1,2-DCA)	ND<25	50	0.5	1,1-Dichloroethene	ND<25	50	0.5
cis-1,2-Dichloroethene	ND<25	50	0.5	trans-1,2-Dichloroethene	ND<25	50	0.5
1,2-Dichloropropane	ND<25	50	0.5	1,3-Dichloropropane	ND<25	50	0.5
2,2-Dichloropropane	ND<25	50	0.5	1,1-Dichloropropene	ND<25	50	0.5
cis-1,3-Dichloropropene	ND<25	50	0.5	trans-1,3-Dichloropropene	ND<25	50	0.5
Diisopropyl ether (DIPE)	ND<25	50	0.5	Ethylbenzene	35	50	0.5
Ethyl tert-butyl ether (ETBE)	ND<25	50	0.5	Freon 113	ND<500	50	10
Hexachlorobutadiene	ND<25	50	0.5	Hexachloroethane	ND<25	50	0.5
2-Hexanone	ND<25	50	0.5	Isopropylbenzene	36	50	0.5
4-Isopropyl toluene	ND<25	50	0.5	Methyl-t-butyl ether (MTBE)	ND<25	50	0.5
Methylene chloride	ND<25	50	0.5	4-Methyl-2-pentanone (MIBK)	ND<25	50	0.5
Naphthalene	130	50	0.5	n-Propyl benzene	80	50	0.5
Styrene	ND<25	50	0.5	1,1,1,2-Tetrachloroethane	ND<25	50	0.5
1,1,2,2-Tetrachloroethane	ND<25	50	0.5	Tetrachloroethene	ND<25	50	0.5
Toluene	33	50	0.5	1,2,3-Trichlorobenzene	ND<25	50	0.5
1,2,4-Trichlorobenzene	ND<25	50	0.5	1,1,1-Trichloroethane	ND<25	50	0.5
1,1,2-Trichloroethane	ND<25	50	0.5	Trichloroethene	ND<25	50	0.5
Trichlorofluoromethane	ND<25	50	0.5	1,2,3-Trichloropropane	ND<25	50	0.5
1,2,4-Trimethylbenzene	ND<25	50	0.5	1,3,5-Trimethylbenzene	ND<25	50	0.5
Vinyl Chloride	ND<25	50	0.5	Xylenes	79	50	0.5

Surrogate Recoveries (%)

%SS1:	97	%SS2:	96
%SS3:	98		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 52944

WorkOrder 1009107

Table with columns: EPA Method SW8260B, Extraction SW5030B, Spiked Sample ID: 1009107-005B, Analyte, Sample, Spiked, MS, MSD, MS-MSD, LCS, LCSD, LCS-LCSD, Acceptance Criteria (%). Rows include various analytes like tert-Amyl methyl ether (TAME), Benzene, t-Butyl alcohol (TBA), etc.

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 52944 SUMMARY

Summary table with columns: Lab ID, Date Sampled, Date Extracted, Date Analyzed, Lab ID, Date Sampled, Date Extracted, Date Analyzed. Rows show sample IDs and their respective dates and times.

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.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 52911

WorkOrder 1009107

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 1009053-001A			
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	RPD	LCS/LCSD	RPD
TPH(btex) ^f	ND	60	93.3	91.5	1.92	97.9	90.7	7.61	70 - 130	20	70 - 130	20
MTBE	ND	10	114	111	3.22	108	108	0	70 - 130	20	70 - 130	20
Benzene	ND	10	97.5	96	1.57	99.5	95.8	3.76	70 - 130	20	70 - 130	20
Toluene	ND	10	99.1	97.3	1.85	99.9	97.3	2.58	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	98.6	96.9	1.70	99.2	97	2.17	70 - 130	20	70 - 130	20
Xylenes	ND	30	101	99.7	1.73	102	99.8	1.81	70 - 130	20	70 - 130	20
%SS:	97	10	95	95	0	95	94	0.845	70 - 130	20	70 - 130	20

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

BATCH 52911 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1009107-001A	09/03/10 10:57 AM	09/08/10	09/08/10 2:27 AM	1009107-002A	09/03/10 8:42 AM	09/07/10	09/07/10 10:59 PM
1009107-003A	09/03/10 7:48 AM	09/07/10	09/07/10 11:32 PM	1009107-004A	09/03/10 4:54 AM	09/08/10	09/08/10 5:05 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 = matrix interference and/or 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, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 52940

WorkOrder 1009107

EPA Method SW8021B/8015Bm Extraction SW5030B Spiked Sample ID: 1009119-001A

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	RPD	LCS/LCSD	RPD
TPH(btex) [£]	ND	60	98.4	99.1	0.741	96.5	100	3.96	70 - 130	20	70 - 130	20
MTBE	ND	10	119	120	0.798	111	117	5.43	70 - 130	20	70 - 130	20
Benzene	ND	10	108	111	2.30	111	108	2.53	70 - 130	20	70 - 130	20
Toluene	ND	10	97.3	98.9	1.62	99.2	96.1	3.16	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	95.9	97.1	1.22	98.3	95.1	3.30	70 - 130	20	70 - 130	20
Xylenes	ND	30	108	109	0.886	110	107	2.92	70 - 130	20	70 - 130	20
%SS:	104	10	105	102	2.40	105	109	3.52	70 - 130	20	70 - 130	20

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

BATCH 52940 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1009107-005A	09/03/10 5:47 AM	09/08/10	09/08/10 2:57 AM	1009107-006A	09/03/10 6:44 AM	09/08/10	09/08/10 2:14 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.

NR = matrix interference and/or 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, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 52941

WorkOrder 1009107

EPA Method SW8015B		Extraction SW3510C/3630C							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	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	107	106	1.22	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	119	118	0.965	N/A	N/A	70 - 130	30

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

BATCH 52941 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1009107-001A	09/03/10 10:57 AM	09/03/10	09/04/10 3:20 PM	1009107-002A	09/03/10 8:42 AM	09/03/10	09/04/10 2:02 PM
1009107-003A	09/03/10 7:48 AM	09/03/10	09/04/10 7:12 PM	1009107-004A	09/03/10 4:54 AM	09/03/10	09/04/10 11:31 AM
1009107-005A	09/03/10 5:47 AM	09/03/10	09/04/10 12:46 PM	1009107-006A	09/03/10 6:44 AM	09/03/10	09/04/10 2:02 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.

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.

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A
 2. Page 1 of 1
 3. Emergency Response Phone: 800-424-9300
 4. Waste Tracking Number: NH13962-N

5. Generator's Name and Mailing Address: CHIU-OAKLAND, 5900 HOLLIS ST, SUITE A, EMERYVILLE, CA 94608
 Generator's Site Address (if different than mailing address): 800 FRANKLIN STREET, OAKLAND, CA 94607
 Generator's Phone: 510-420-0700

6. Transporter 1 Company Name: ENVIRONMENTAL LOGISTICS, INC. U.S. EPA ID Number: CAR000217513

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: FILTER RECYCLING SERVICES, INC., 180 WEST MONTE AVENUE, RIALTO, CA 92316 USA
 Facility's Phone: 800-698-4377
 U.S. EPA ID Number: CAD982444481

GENERATOR

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt/Vol.
	No.	Type		
1. NON-DOT REGULATED MATERIAL (Non-Hazardous Water)	1	DM	55	G
2. NON-DOT REGULATED MATERIAL (Non-Hazardous Soil)	2	DM	1,400	P
3.				
4.				

13. Special Handling Instructions and Additional Information:
 9B1) 12052207 Non-Hazardous Water ERG: N/A 1X55 WEAR APPROPRIATE PPE INV # 13962-N
 9B2) 12052208 Non-Hazardous Soil ERG: N/A 2X55
 EMERGENCY RESPONSE CHEMTREC 1-800-424-9300 CCN668232

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
 Generator's/Officer's Printed/Typed Name: ANDREW BENSHEW AS AGENT FOR CHIU-OAKLAND
 Signature: [Signature] Month: 5 Day: 23 Year: 12

INTERNATIONAL

15. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: Pedro Gonzalez Signature: [Signature] Month: 5 Day: 23 Year: 12
 Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
 17a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number:

17b. Alternate Facility (or Generator): U.S. EPA ID Number:
 Facility's Phone:

17c. Signature of Alternate Facility (or Generator): Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
 Printed/Typed Name: Steven Masters Signature: [Signature] Month: 5 Day: 25 Year: 12

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

1

3. Emergency Response Phone

800-424-9300

4. Waste Tracking Number

NH1079-N

5. Generator's Name and Mailing Address

CHIU-OAKLAND
5900 HOLLIS ST, SUITE A
EMERYVILLE, CA 94608

Generator's Site Address (if different than mailing address)

800 FRANKLIN STREET
OAKLAND, CA 94607

Generator's Phone: 510-420-0700

6. Transporter 1 Company Name

ENVIRONMENTAL LOGISTICS, INC

U.S. EPA ID Number

CAR000217513

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

FILTER RECYCLING SERVICES, INC.
180 WEST MONTE AVENUE
RIALTO, CA 92316 USA

U.S. EPA ID Number

CAD982444481

Facility's Phone: 800-698-4377

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1. NON-DOT REGULATED MATERIAL (Non-Hazardous Water)

2

DM

75

G

13. Special Handling Instructions and Additional Information

9B1) 12052207 Non-Hazardous Water ERG: N/A (2 X 55) WEAR APPROPRIATE PPE WO # 1079-N

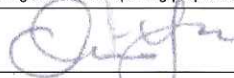
EMERGENCY RESPONSE CHEMTREC 1-800-424-9300 CCN668232

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

OLIVER TAN AS AGENT FOR CHIU-OAKLAND

Signature



Month Day Year

06 08 12

INT'L

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Oliver Sopon

Signature



Month Day Year

06 08 12

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

ENVIRONMENTAL LOGISTICS



P.O. Box 806, Colton, CA 92324
 info@environmentallogistics.org

(888) 641-3940

Generator: CHIU-OAKLAND
Job Address: 800 FRANKLIN STREET
City/ST/Zip: OAKLAND, CA 94607
Site Contact: OLIVER YAN
Phone: 916-919-0467
P.O. #: 40-4049124

WORK ORDER # 1079N

Page: 1 of 1
 Date: 06/08/12
 Sales Rep: CW
 Prepared By: arturo sapon

Bill To: CHIU OAKLAND C/O CONESTOGA-ROVERS & ASSOCIATES
Address: 5900 HOLLIS STREET, SUITE A
City/ST/Zip: EMERYVILLE, CA 94608
Contact: KEVIN GRIPPER (510.420.3307)
Email:

Manifest/BOL		Quantity	Rate	Total				
PAU 2 X 55 NON HAZ WATER TO FRS	NH1079-N	2 X 55						
Material Description		Quantity	Rate	Total				
Equipment/Outside Services		Quantity	Rate	Total				
STOP CHARGE								
Position	Personnel	Start	Arrive	Depart	End	Straight	Overtime	Total
Driver	Arturo Sapon	1300	1345	1410				

Description of Work:

PLEASE MEET OLIVER YAN ONSITE AT 2:00PM TO GET ACCESS TO DRUMS AND HE WILL SIGN THE PAPERWORK!!!!

It is the generator's responsibility to correctly identify chemical composition. If the material is rejected by the disposal site, the generator agrees to pay all testing, disposal, and transportation charges. In the event of any litigation arising from this agreement, the prevailing party is entitled to reasonable attorney's fees, expenses, and costs. Invoice subject to a 1.5% monthly interest rate on past due amount. Your signature acknowledges that you have read the state required notifications on the back of this document and that you are duly authorized to bind your company for the above services and associated cost.

Company Name: Conestoga-Rovers & Associates
 Client Signature: [Signature]
 Printed Name and Title: OLIVER YAN, EXECUTIVE

APPENDIX I

DWR WELL COMPLETION REPORTS

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED