UNDERGROUND STORAGE TANK REMOVAL
PACIFIC PLAZA GARAGE
1250 PACIFIC AVENUE
TACOMA, WASHINGTON

DECEMBER 31, 2008

FOR
PACIFIC PLAZA LLC

GeoEngineers

File No. 16574-001-01

Underground Storage Tank Removal
File No. 16574-001-01

December 31, 2008

Prepared for:

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UNDERGROUND STORAGE TANK REMOVAL
PACIFIC PLAZA GARAGE
1250 PACIFIC AVENUE
TACOMA, WASHINGTON
FOR
PACIFIC PLAZA LLC

INTRODUCTION

This report summarizes the results of the underground storage tank (UST) removal activities at the Pacific Plaza Garage property (site) located at 1250 Pacific Avenue in Tacoma, Washington (Figure 1). The property is herein referred to as the "site." The site is located on the northwest corner of the Pacific Avenue and South 13th Street intersection.

Pacific Plaza LLC is currently redeveloping the site. Pacific Plaza LLC contracted with GeoEngineers to perform UST site assessment services at the site. Absher Construction is the on-site contractor for the Pacific Plaza Redevelopment project. Our services were conducted in general accordance with Change Order No. 5 dated April 8, 2008.

Key site features that include former buildings and planned buildings are shown on Figures 2 and 3.

UST INFORMATION

A single-walled steel UST was encountered within the right-of-way (ROW) along the west side of Pacific Avenue in the vicinity of a proposed footing during construction activities in April 2008. The UST was approximately 12 feet long and 5 feet in diameter with an approximate capacity of 1,750 gallons. The use of the UST is unknown. A petroleum product was observed to be inside the UST.

SCOPE OF SERVICES

The purpose of our environmental services was to provide UST site assessor services for the removal of the UST. Our specific scope of services included the following.

1. Updated a Health and Safety Plan for our representatives in accordance with Washington Administrative Code (WAC) 296-24.
2. Assisted Pacific Plaza LLC and the City of Tacoma with the coordination of the removal of the UST.
3. Collected one sample of the product observed inside the UST. The product sample was submitted for hydrocarbon identification analysis by Washington State Department of Ecology (Ecology)-approved Method NWTPH-HCID. The sample was submitted to the analytical laboratory requesting a 24- to 48-hour turnaround.
4. Observed and documented the UST removal/remedial activities performed by H and K Underground (H and K), a subcontractor to Absher Construction.
5. Observed Phoenix Environmental, a subcontractor to H and K, remove the product and rinse the UST. A representative of Phoenix Environmental was the on-site UST site supervisor.
6. Field screened soil samples for the potential presence of petroleum hydrocarbons using water sheen tests, photoionization detector (PID) measurements and visual observations.

7. Collected 10 confirmation soil samples from the base and sidewalls of the remedial excavation for chemical analysis. The samples were submitted for analysis of diesel- and heavy oil-range petroleum hydrocarbons by Ecology-approved method NWTPH-Dx. Two samples were also submitted for RCRA metals by Environmental Protection Agency (EPA) 6000/7000 series, volatile organic compounds (VOCs) by EPA Method 8260, and carcinogenic polycyclic aromatic hydrocarbons (CPAHs) by EPA Method 8270-SIM. The soil samples were submitted to the laboratory on 10-day turnaround.
8. Collected three soil samples from the soil removed from the excavation for chemical analysis. The samples were submitted for analysis of diesel- and heavy oil-range petroleum hydrocarbons using Ecology-approved Method NWTPH-Dx. The soil samples were submitted to the analytical laboratory requesting a 24- to 48-hour turnaround.
9. Evaluated the chemical analytical results relative to Ecology's Model Toxics Control Act (MTCA) cleanup levels.
10. Assisted with the coordination of the disposal of petroleum-contaminated soil, as appropriate.
11. Conducted site visits upon request to observe and provide geotechnical observations of the surface within the bottom of the excavation prior to the placement of controlled density fill (CDF) as backfill.
12. Prepared a report that summarizes our findings.

UST CLOSURE ACTIVITIES

GENERAL

The area in the proximity of the UST was previously a concrete and brick sidewalk within the Pacific Avenue ROW. The sidewalk was demolished at the time of the removal of the UST. The top of the UST was located approximately 4 feet below the existing street elevation. The UST was bounded by footing columns to the north and south, a Comcast utility line to the east and the edge of the ROW to the west. The former location of UST and other site features are shown on Figures 2 and 3.

It appeared that the fill pipe had been removed and the access port located on the UST was covered with a rock prior to excavation activities (see Figure 4). A Comcast utility line was located on top of the eastern side of the UST. Product piping was observed north of the UST. The piping inside of the building was reportedly removed during recent construction activities. Absher was not aware of the UST at the time of the removal of the product piping.

The UST removal and sampling activities were conducted between April 10 and April 15, 2008. Photographs are included in Figures 4 through 10.

PRODUCT INSIDE UST

A product sample was collected from inside the UST on April 10, 2008 (UST-Product-01) for chemical analysis to profile the product for disposal purposes. The sample was submitted to the laboratory for hydrocarbon identification by Ecology-approved Method NWTPH-HCID. The results indicate that the product inside the UST was identified as a heavy oil-range petroleum hydrocarbon that resembled degraded Bunker-C.

UST CLEANING

H and K excavated the surface material from the top of the UST on April 10, 2008. Phoenix Environmental removed approximately 700 gallons of oil and 100 gallons sludge from the UST with a vactor truck. The UST was rinsed three times. Cobbles and sand were observed inside the UST.

Lt. Robert Bowers, City of Tacoma Fire Inspector, was present during the removal of the UST on April 10, 2008. Phoenix Environmental indicated that the remainder of soil and oil sludge was difficult to remove and requested to remove the UST in its current condition and dispose of the material at their facility. Lt. Bowers stated that removing the UST in its current condition was acceptable by the City of Tacoma Fire Prevention.

UST REMOVAL ACTIVITIES

H and K removed the UST with an excavator under the observation of a representative of GeoEngineers and Phoenix Environmental on April 11, 2008. Mr. Rob Olsen, UST Site Inspector with Tacoma Pierce County Health Department (TPCHD), was not on site during the removal of the UST. Mr. Olsen did observe the excavation area following removal of the UST.

Multiple discernable holes that ranged in size from approximately 1/8 inch to 1.5 inches were observed throughout the UST. Blue-gray wet soils were observed on the bottom 6 inches of the UST (see Figure 6). The UST was placed onto a flatbed truck lined with visqueen liner following removal and transported to Phoenix Environmental in Tacoma for final rinsing and disposal.

Minor amounts of water entered the UST between April 10 and April 11, 2008 prior to removal. Oily water spilled onto Pacific Avenue during removal of the UST. Oil absorbent diapers and booms were placed within and around the area to contain the spill and prevent the oily water from entering the catchbasin located on the northwest corner of Pacific Avenue and South 13th Street. A vactor truck hose was placed inside the catchbasin to collect water as Phoenix Environmental washed the street using a power sprayer immediately following the spill (see Figure 7). Oil residue was not visible in the area of the spill following the cleanup activities. The disposal tickets for the oily water and oil absorbent diapers and booms are provided in Appendix A.

Soils surrounding the UST appear to have been impacted from this leaking UST. The UST certificate of disposal and waste profile sheet are included in Appendices A and B, respectively. The release of petroleum hydrocarbons into the subsurface from the UST was reported to Ecology under Environmental Report Tracking System (ERTS) number 605007 on April 11, 2008. A copy of the report submitted to Ecology is provided in Appendix B.

SOIL EXCAVATION AND PRODUCT LINE REMOVAL ACTIVITIES

General

Removal of petroleum-contaminated soils surrounding the UST occurred between April 11 and 15, 2008. Field screening was conducted during soil excavation to aid in identifying potentially impacted soil. Field screening methods consisted of visual observations, sheen testing and PID measurements. Field screening indicated the potential presence of petroleum-impacted soil within the excavation primarily beneath the UST.

Subsurface Conditions

Subsurface conditions appeared to vary on the east and west sides of the excavation. The eastern side of the excavation appeared to be gravel fill for the UST and the adjacent roadway. The western side of the excavation consisted of surficial silty sand fill underlain by sandy silt.

The fill material on the eastern portion of the excavation consisted of brown gravel with sand and silt was encountered to the total depth 7.5 feet below ground surface (bgs). Gravel with blue-gray sand and silt was observed from approximately 7.5 feet bgs to the total depth of the excavation. A slight to heavy petroleum-like odor and sheen were observed in the blue-gray soils.

Light brown fill consisting of silty sand with gravel and bricks was observed to a depth of approximately 3 feet bgs on the west side of the excavation. The silty sand was underlain by sandy silt to the total depth of the excavation. Blue-gray sandy silt with a petroleum odor was observed between 7.5 feet and 8.5 feet within the majority of the western portion of the excavation. Blue-gray sandy silt extended to the depth of the excavation on the northwest portion of the excavation. A slight to moderate petroleum-like odor and sheen were observed in the blue-gray soils.

Soil Excavation Activities

Soil excavation activities occurred on April 11, 14 and 15, 2008. The excavation was limited due to a Comcast utility line to the east, column footings to the north and south, and the edge of the ROW to the west. The depth of the excavation was also limited due to caving of the sidewalls. The final dimensions of the excavation were approximately 15 feet long by 14.5 feet wide and between 9.5 to 11 feet deep (see Figure 3).

The majority of the potentially contaminated soil was vacuumed and/or excavated on April 11 and 14, 2008. An additional approximately 4 inches of blue-gray soils were removed from the base of the southeast portion of the excavation immediately prior to filling the excavation with Controlled Density Fill (CDF) on April 15, 2008.

Further excavation of the area on the northeast portion of the excavation could not be completed due to caving of the sidewalls and access of the excavator to this area. Blue-gray soils were observed within the final excavation on the northeast and northwest portions of the excavation. Petroleum-impacted soil was removed approximately 1.5 to 2 feet below the former bottom of the UST. The full possible extent of excavation given the constraints mentioned above was achieved. The excavation was backfilled with CDF on April 15, 2008.

A minor amount of water with an oil residue was observed within the eastern side of the excavation at a depth of approximately 8 feet bgs on April 11, 2008. The water dissipated during excavation of the material on April 14, 2008 and the removed soils did not appear to be wet. A lesser amount of water was observed in the excavation on April 15, 2008. The water may be related to a small isolated area of perched groundwater based on the decreasing amount of water observed within the excavation during the soil removal activities.

The excavated soil was stockpiled on site for subsequent sampling and analysis. A visqueen liner was placed on the top and bottom of the stockpiled soil.

Product Line Removal

Approximately three product lines (1 to 2 inches diameter) were removed north of the UST on April 24, 2008. The lines were approximately 15 feet long and terminated at the edge of the ROW (see Figure 3).

Phoenix Environmental collected the product lines for disposal. Approximately 1 foot of material was overexcavated below the product lines.

SOIL SAMPLING ACTIVITIES

Stockpile Sampling

Two soil samples (Disp-02 and Disp-03) were collected from the stockpiled soil for chemical analysis. Additionally, one soil sample (Disp-7.5-01) was collected within the excavation at a depth of approximately 7.5 feet bgs that was representative of the material removed with the vactor truck for chemical analysis. The approximate soil sample locations are shown on Figure 3.

Confirmation Soil Sampling

A total of 10 discrete confirmation soil samples were collected during the excavation activities. The following nine soil samples were collected from the excavator bucket: 1) four soil samples were collected at the base of the excavation (Conf-Btm-NW, Conf-Btm-SW, Conf-Btm-E, Conf-Btm-E-02). Soil sample Conf-Btm-E-02 was collected in the area of sample Conf-Btm-E following the additional excavation activities within the southeast portion of the excavation on April 15, 2008; 2) five discrete confirmation samples were collected on the sidewalls of the excavation (Conf-W.Wall-01, Conf-W.Wall-02, Conf-E.Wall, Conf-N.Wall, and Conf-S.Wall). One sample was collected from beneath the former product line (Conf-pipe) using hand tools.

Soil samples were collected in the blue-gray soil layer when available. Soil sample locations are shown on Figure 3. Soil sampling procedures are included as Appendix C.

GEOTECHNICAL EVALUATION

A geotechnical evaluation was conducted on the excavated surface prior to backfill with CDF in the area of the proposed foundation. We observed 1 to 2 inches of penetration during probing of the bottom of the excavation with a 5/8-inch-diameter rebar. The area appeared firm and unyielding. An evaluation of the prepared bearing surface for the proposed foundation was not conducted because the subgrade consisted of CDF.

CHEMICAL ANALYTICAL RESULTS

Soil samples were submitted for chemical analysis to Spectra Laboratories located in Tacoma, Washington. The chemical analytical data are summarized in Tables 1 and 2. A copy of the laboratory report is presented in Appendix D.

The chemical analytical data are described below relative to MTCA Method A unrestricted land use (ULU) and industrial land use (ILU) cleanup levels for soil. Method B ULU cleanup levels were used for comparison of barium, selenium, silver and specific VOCs, and SVOCs because Method A cleanup levels have not been established for these compounds.

PETROLEUM HYDROCARBONS

Diesel- and/or lube oil-range petroleum hydrocarbons were detected at concentrations greater than MTCA Method A ULU cleanup level (2,000 milligrams per kilogram [mg/kg]) in confirmation soil samples Conf-Btm-E and Conf-Btm-NW collected at the base of the northeast and northwest portions of the

excavation, respectively. Diesel- and lube oil-range petroleum hydrocarbons were detected at concentrations less than the MTCA Method A ULU cleanup levels in soil sample Conf-Btm-E-02 collected from the eastern portion of the excavation following the additional soil removal activities.

Diesel- and lube oil-range petroleum hydrocarbons were detected at a concentration greater than MTCA Method A ULU cleanup level in soil sample Disp-7.5-01 collected from approximately 7.5 feet bgs in the area representative of the material removed with the vactor truck.

Diesel- and lube oil-range petroleum hydrocarbons were either not detected or were detected at concentrations less than the respective MTCA Method A ULU cleanup levels in the remaining analyzed soil samples.

METALS

Metals were either not detected or were detected at concentrations less than the respective MTCA Method A ULU and ILU or Method B ULU cleanup levels in the analyzed soil samples.

VOCs

VOCs were either not detected or were detected at concentrations less than the MTCA Method A or Method B cleanup levels in the analyzed soil samples.

SVOCs

SVOCs were either not detected or were detected at concentrations less than the MTCA Method A or Method B cleanup levels in the analyzed soil samples.

cPAHs

cPAHs were either not detected or were detected at concentrations less than the MTCA Method A ULU and ILU cleanup levels in the analyzed soil samples.

CONCLUSIONS

A heating fuel/Bunker C single-walled UST and associated product lines were removed from the site in April 2008. The majority of the petroleum-contaminated soil was removed from the UST excavation completed on April 11, 14 and 15, 2008 with the exception of the known petroleum-contaminated soil on the northwest portion of the excavation and the potential petroleum contamination on the northeast portion of the excavation.

Diesel and lube oil-range petroleum hydrocarbons were detected at concentrations greater than the MTCA Method A cleanup levels in the soil in the northwest portion of the excavation at a depth of approximately 9.5 feet bgs. Potential petroleum-impacted soils may remain within northeastern portion of the excavation based on field observations. Further excavation could not be completed in the northeast portion of the excavation due to caving of the sidewalls and limited access of the excavator equipment in this area. Additional investigation may be necessary to further evaluate the vertical and lateral extent of the potential petroleum-impacted soil in the northeast and known petroleum-impacted soil in the northwest portion within the UST excavation area.

Approximately 472 tons of petroleum-contaminated soil was removed from the site during the UST closure activities. The petroleum-contaminated soil was transported and disposed at the Landfilling and Recycling Inc (LRI) landfill located in Graham, Washington. The disposal certificates are provided in Appendix A.

LIMITATIONS

We have prepared this report for the exclusive use by Pacific Plaza LLC and their authorized agents for the Pacific Plaza Garage project to be located at the northeast corner of South 13th Street and Pacific Avenue in Tacoma, Washington. Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in the field of environmental engineering in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

Please refer to Appendix E titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

TABLE 1
SUMMARY OF CHEMICAL ANALYTICAL RESULTS FOR PETROLEUM AND METALS[1] - SOIL
PACIFIC PLAZA PARKING GARAGE - UST REMOVAL
TACOMA, WASHINGTON

Sample ID[5]	Sample Date	Approximate Depth (feet bgs)	NWTPH -HCID[2]			NWTPH-Dx[3] (mg/kg)		RCRA[4] Metals (mg/kg)							
			Diesel Range	Oil Range	Gasoline Range	Diesel Range	Oil Range	Arsenic	Barium	Cadmium	Total Chromium	Lead	Mercury	Selenium	Silver
Product Sample															
UST-Product-080410	4/10/08	N/A	U	Detected[6]	U	--	--	--	--	--	--	--	--	--	--
Confirmation Samples															
Conf-Btm-E	4/14/08	10.5	--	--	--	**5,790**	**9,030**	U(5)	34	U(0.3)	19	U(4)	U(0.05)	U(8)	U(0.7)
Conf-Btm-E-02	4/15/08	11	--	--	--	203	284	--	--	--	--	--	--	--	--
Conf-Btm-SW	4/14/08	10.5	--	--	--	U(10.0)	U(100)	--	--	--	--	--	--	--	--
Conf-Btm-NW	4/14/08	9.5	--	--	--	1,340	**2,010**	--	--	--	--	--	--	--	--
Conf-Pipe	4/24/08	3	--	--	--	U(10.0)	U(100)	--	--	--	--	--	--	--	--
Conf-S. Wall	4/14/08	9.5	--	--	--	839	1,060	--	--	--	--	--	--	--	--
Conf-W. Wall -01	4/14/08	10	--	--	--	U(10.0)	U(100)	U(5)	42	U(0.3)	24	U(4)	U(0.05)	U(8)	U(0.7)
Conf-W. Wall -02	4/14/08	9	--	--	--	U(10.0)	U(100)	--	--	--	--	--	--	--	--
Conf- E. Wall	4/14/08	9.5	--	--	--	U(10.0)	U(100)	--	--	--	--	--	--	--	--
Conf-N. Wall	4/14/08	9	--	--	--	U(10.0)	U(100)	--	--	--	--	--	--	--	--
Stockpile Samples															
Disp-7.5-01	4/11/08	7.5	--	--	--	**2,540**	**5,740**	--	--	--	--	--	--	--	--
Disp - 02	4/15/08	Stockpile	--	--	--	407	447	--	--	--	--	--	--	--	--
Disp - 03	4/15/08	Stockpile	--	--	--	76.5	104	--	--	--	--	--	--	--	--
MTCA Method A Soil Cleanup Levels for Unrestricted Land Use (ULU)			N/A	N/A	N/A	2,000	2,000	20	5,600[7]	2.0	2,000	250	2.0	400[7]	400[7]
MTCA Method A Soil Cleanup Levels for Industrial Land Use (ILU)			N/A	N/A	N/A	2,000	2,000	20	245,000[8]	2.0	2,000	1,000	2.0	17,500[8]	17,500[8]

Notes:

[1] Chemical analysis performed by Spectra Laboratories of Tacoma, Washington.

[2] Hydrocarbon identification by Washington State Department of Ecology Method NWTPH-HCID.

[3] Washington State Department of Ecology Method NWTPH-Dx with acid/silica gel cleanup.

[4] Resource Conservation Recovery Act (RCRA) metals analyzed by EPA 6000/7000 Series Method.

[5] Sample ID -Confirmation sample - Wall or bottom - Location or sample number i.e., Confirmation west wall sample = Conf-W. Wall-01.

[6] Laboratory report indicates product sample contains heavy oil that appears to be Bunker C.

[7] MTCA Method B ULU cleanup level represented because MTCA Method A cleanup level has not been established.

[8] MTCA Method C ILU cleanup level represented because MTCA Method A cleanup level has not been established.

mg/kg = milligram per kilogram

— = Not Analyzed

U = Analyte was not detected at or greater than the listed reporting limit

MTCA = Model Toxics Control Act

Bold type indicates that the detected concentration is greater than the respective MTCA Cleanup Level.

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TABLE 2
SUMMARY OF CHEMICAL ANALYTICAL RESULTS FOR VOCs AND SVOCs[1] - SOIL
PACIFIC PLAZA PARKING GARAGE - UST REMOVAL
TACOMA, WASHINGTON

Chemical	Sample ID[2]		MTCA Method A ULU Cleanup Level	MTCA Method A ILU Cleanup Level
	Conf-W. Wall -01	Conf-Btm-E		
Depth (feet bgs)	10	10.5		
VOCs[3](mg/kg dry weight)				
Benzene	U(0.005)	U(0.025)	30	30
Toluene	U(0.005)	U(0.05)	7,000	7,000
Ethylbenzene	U(0.005)	U(0.025)	6,000	6,000
Total Xylenes	U(0.01)	U(0.05)	9,000	9,000
Methylene chloride	U(0.01)	U(0.10)	20	20
sec-Butylbenzene	U(0.005)	0.75	NE	NE
tert-Butylbenzene	U(0.005)	0.046	NE	NE
N-Propylbenzene	U(0.005)	0.56	NE	NE
1,2,4 Trimethylbenzene	U(0.005)	U(0.025)	4,000[5]	180,000[6]
1,3,5 -Trimethylbenzene	U(0.005)	U(0.025)	4,000[5]	180,000[6]
Isopropylbenzene	U(0.005)	0.318	8,000[5]	350,000[6]
4-Isopropyltoluene	U(0.005)	0.046	NE	NE
n-Butylbenzene	U(0.005)	1.18	NE	NE
Naphthalene	U(0.003)	0.128	5	5
Tetrachloroethene	U(0.005)	U(0.025)	50	50
SVOCs[4] (mg/kg dry weight)				
Acenaphthene	U(0.003)	0.70	4,800 [5]	210,000 [6]
Acenaphthylene	U(0.003)	0.35	NE	NE
Anthracene	U(0.003)	0.13	24,000 [5]	1,050,000 [6]
Benzo (ghi) perylene	U(0.003)	0.036	NE	NE
Fluoranthene	U(0.003)	0.10	3,200 [5]	140,000 [6]
Fluorene	U(0.003)	0.65	3,200 [5]	140,000 [6]
Phenanthrene	U(0.003)	0.50	NE	NE
Pyrene	U(0.003)	0.22	2,400 [5]	105,000 [6]
Benzo (a) anthracene (TEF 0.1)	U(0.003)	0.12	MTCA ULU cleanup level for the sum of all cPAHs is 0.1 mg/kg	MTCA ILU cleanup level for the sum of all cPAHs is 2.0 mg/kg
Benzo (a) pyrene (TEF 1.0)	U(0.003)	0.054		
Benzo (b) fluoranthene (TEF 0.1)	U(0.003)	0.056		
Benzo (k) fluoranthene (TEF 0.1)	U(0.003)	0.032		
Chrysene (TEF 0.01)	U(0.003)	0.21		
Dibenz (a,h) anthracene (TEF 0.1)	U(0.003)	U(0.025)		
Indeno (1,2,3-cd) pyrene (TEF 0.1)	U(0.003)	U(0.025)		
Total TEF of cPAHs (detect only)	--	0.07690	0.1	2.0

Notes:

[1] Chemical analysis performed by Spectra Laboratories of Tacoma, Washington.

[2] Sample ID -Confirmation sample - Wall or bottom - Location or sample number i.e. Confirmation west wall sample = Conf-W. Wall-01

[3] Volatile organic compounds (VOCs) were analyzed by EPA Method 5035/8260B. Other VOCs were analyzed but not detected.

[4] Semivolatile organic compounds (SVOCs) were analyzed by EPA Method 8270C. CPAHs were analyzed by Method 8270-SIM. Other SVOCs were analyzed but not detected.

[5] MTCA Method B ULU cleanup level represented because MTCA Method A cleanup level has not been established.

[6] MTCA Method C ILU cleanup level represented because MTCA Method A cleanup level has not been established.

MTCA = Model Toxics Control Act

TEF = Toxicity Equivalency Factor

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

mg/kg = milligram per kilogram

ULU = Unrestricted Land Use ILU = Industrial Land Use

NE = Cleanup level not established for this compound

U = Analyte was not detected at or greater than the listed reporting limit

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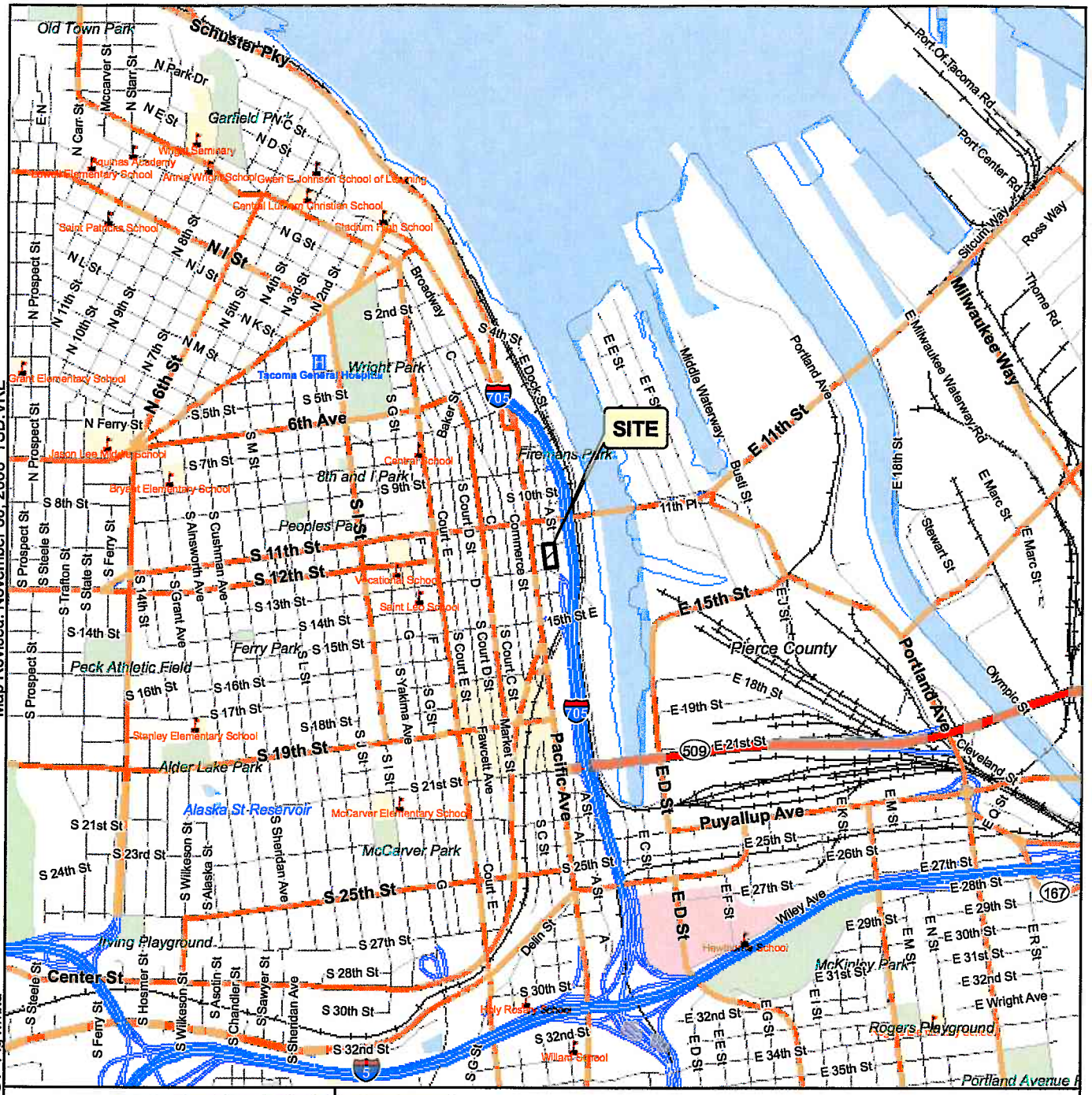

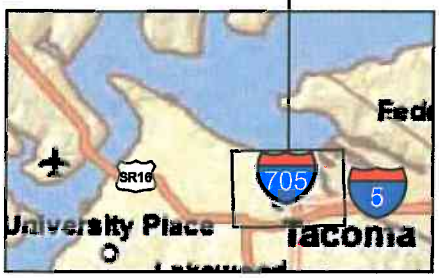

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Feet

Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
3. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without permission.

Data Sources: ESRI Data & Maps, Street Maps 2008, USGS
Topos Seamless - http://server.arcgisonline.com/arcgis/services
Transverse Mercator, Zone 10 N North, North American Datum 1983
North arrow oriented to grid north

Vicinity Map

Pacific Plaza Garage - UST Removal
Tacoma, Washington

GeoEngineers

Figure 1

Map Revised: November 30, 2008 TSD:VRE
Path: P:\16\16574001\GIS\16574001 UST Fig1.mxd
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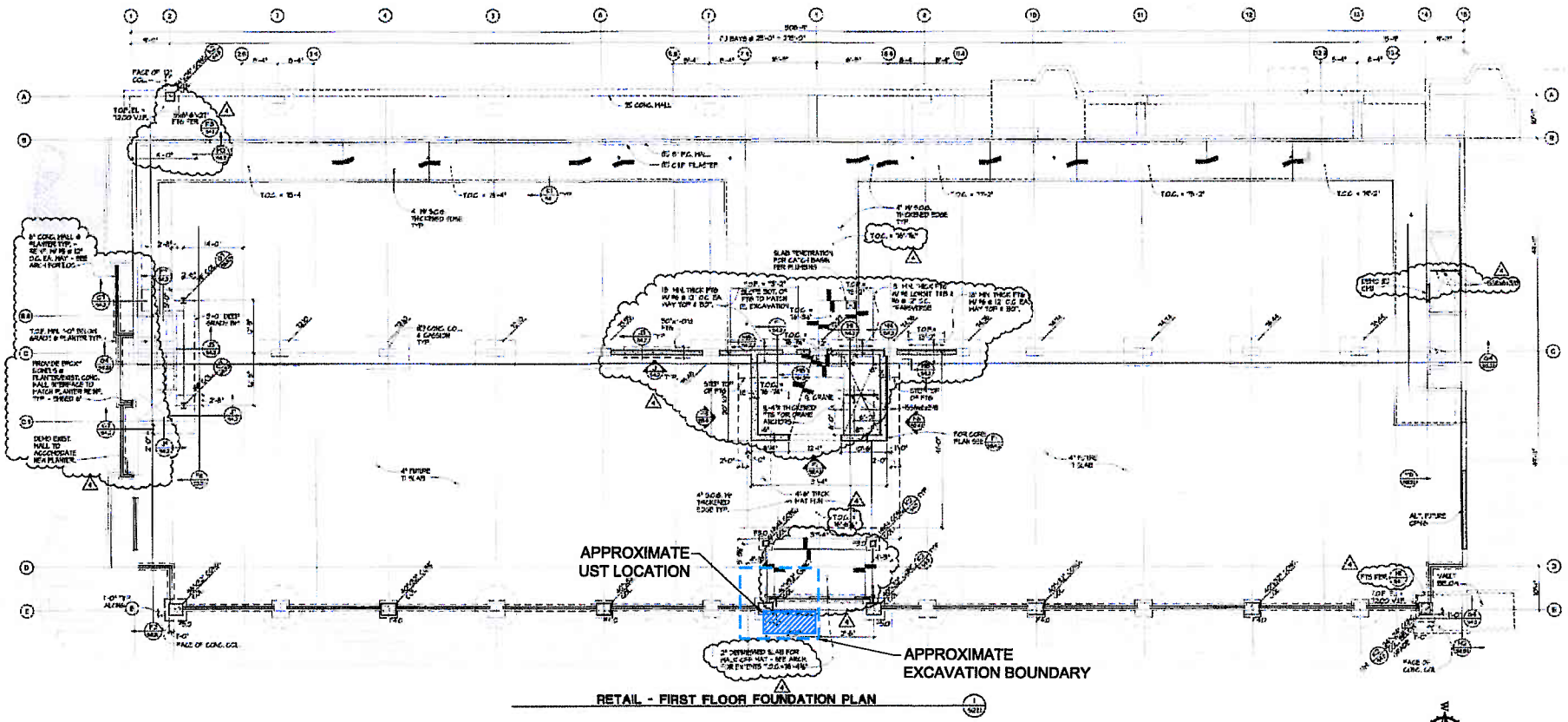

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Feet

Notes:
UST = Underground Storage Tank
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
Reference: Figure created by BLRB Architects on March 26, 2008 and provided by Absher Construction on December 1, 2008.

LEGEND:

Existing column for parking structure

Column under construction during renovation

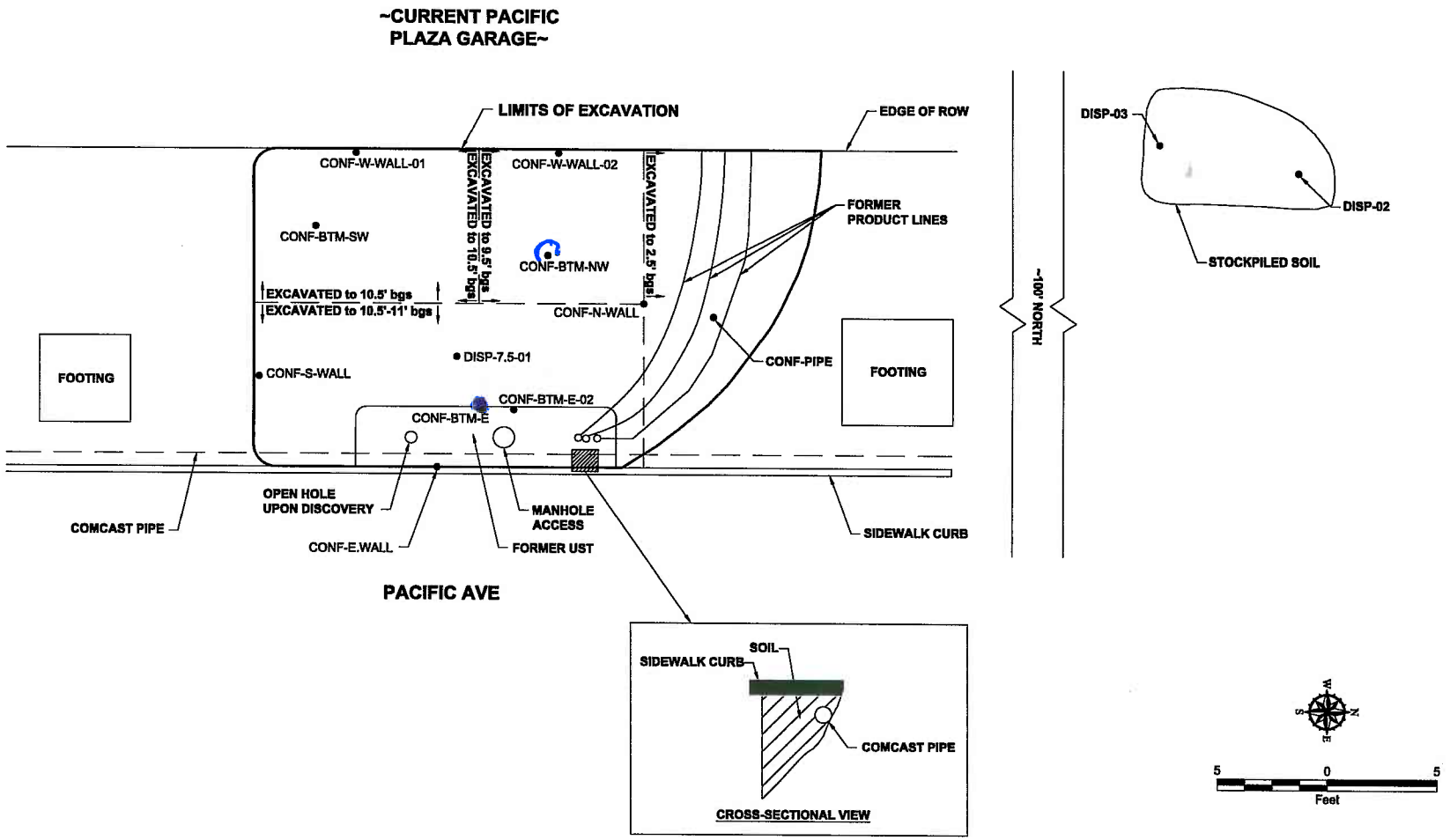
Former and Current Building

Pacific Plaza Garage - UST Removal
Tacoma, Washington

GeoEngineers

Figure 2

OFFICE:TACO PM:PSD P:\161\657400\101\CAD\161657400101_Fig_2.dwg\TAB:Fig-2 modified by pipandleton on Dec 10, 2008 - 15:33



Notes:
bgs = below ground surface
ROW = Right of Way
UST = Underground Storage Tank
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
Reference: Drawing created by GeoEngineers personnel.

LEGEND:

CONF-W-WALL-02 ● Soil Sample Location and Sample Name

Site Plan

Pacific Plaza Garage - UST Removal
Tacoma, Washington

GeoEngineers

Figure 3

Pacific Plaza Parking Garage at time of underground storage tank (UST) removal

Discovery of UST looking north. Orange paint shows the location of the new footing. Gray pipe shows the approximate southwest corner of the UST. White pipe is an abandoned phone line. (April 4, 2008)

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SITE PHOTOGRAPHS – APRIL 2008

FIGURE 4

TACO:\16\1657400101\Finals\1657400101_UST_Figures 4_10_Photos.ppt 123108

Phoenix Environmental removing oil and sludge from underground storage tank (UST) looking northeast. (April 10, 2008)

Top of UST exposed looking north. (April 10, 2008)

TACO:\16\1657400101\Finals\1657400101_UST_Figures 4_10_Photos.ppt 123108

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SITE PHOTOGRAPHS – APRIL 2008

FIGURE 5

Underground storage tank during removal looking northwest. (April 11, 2008)

Petroleum spill on the asphalt from removal. (April 11, 2008)

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SITE PHOTOGRAPHS – APRIL 2008

FIGURE 6

TACO:\16\1657400101\Finals\1657400101_UST_Figures 4_10_Photos.ppt 123108

Cleanup action for petroleum spill on asphalt during removal looking south. (April 11, 2008)

Vactor truck cleaning water out of catchbasin during the petroleum spill cleanup on the northwest corner of South 13th Street and Pacific Avenue. (April 11, 2008)

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SITE PHOTOGRAPHS – APRIL 2008

FIGURE 7

TACO:\16\165740010\Finals\165740010_UST_Figures 4_10_Photos.ppt 123108

Typical holes and rust observed on underground storage tank. (April 11, 2008)

Example of blue-gray soils and brown sandy silt in southwest portion of excavation (approximately 7 feet bgs). (April 14, 2008)

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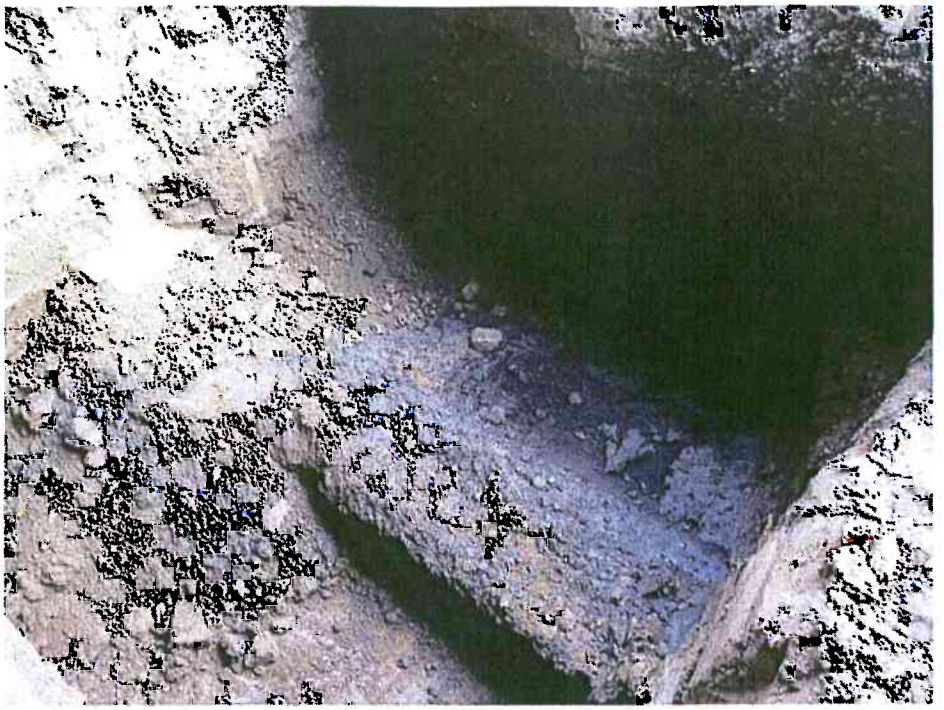
SITE PHOTOGRAPHS – APRIL 2008

FIGURE 8

TACO:\16\1657400101\Finals\1657400101_UST_Figures 4_10_Photos.ppt 123108



Example of blue-gray soils eastern portion of excavation (approximately 8.5 feet bgs). (April 14, 2008)

Final extent of excavation on west and northwest wall. (April 14, 2008)

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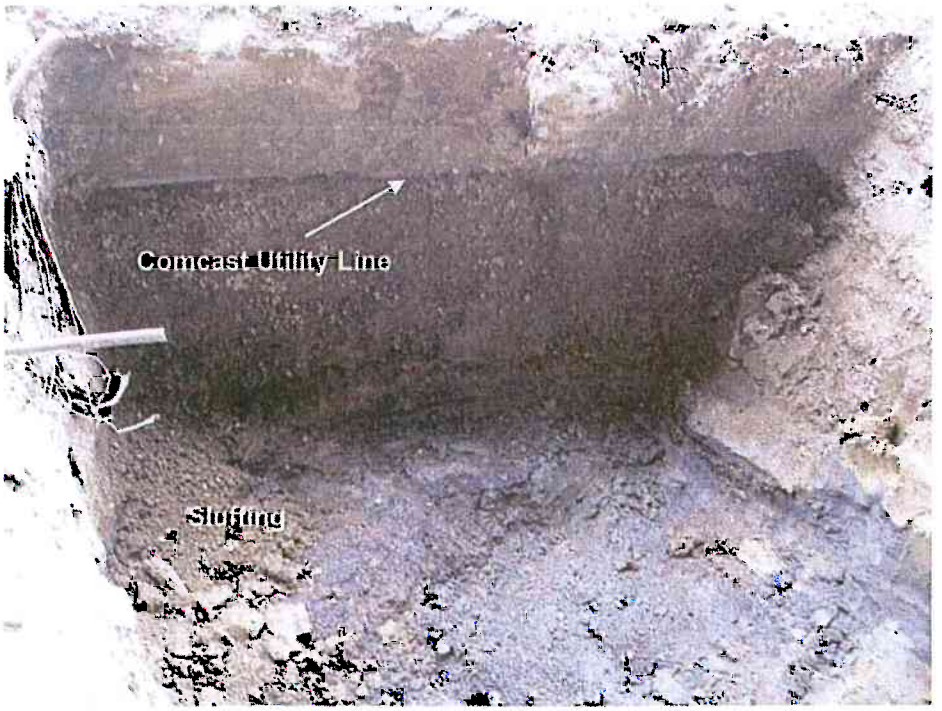
SITE PHOTOGRAPHS – APRIL 2008

FIGURE 9

Final extent of excavation on south wall. South wall soil sample (Conf-S.Wall) collected in blue-gray soils (April 14, 2008)



Final extent of excavation on east wall (April 14, 2008). Additional material was removed from the bottom of the excavation on April 15, 2008.

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SITE PHOTOGRAPHS – APRIL 2008

FIGURE 10

GeoEngineers

APPENDIX A
DISPOSAL CERTIFICATES AND INVOICES

PHOENIX ENVIRONMENTAL SERVICES, INC.
2212 PORT OF TACOMA ROAD
TACOMA, WA 98421
USA

Voice: 253-779-8474
Fax: 253-779-8470

INVOICE

Invoice Number: 2839839
Invoice Date: Apr 11, 2008
Page: 1
Duplicate

Bill To:	Ship to:
H&K UNDERGROUND 4521 FREEMAN ROAD PUYALLUP, WA 98371	PACIFIC PLAZA

Customer ID	Customer PO	Payment Terms	
HK100		Net 30 Days	
Sales Rep ID	**Shipping Method**	**Ship Date**	**Due Date**
	NONE		5/11/08

Quantity	Item	Description	Unit Price	Amount
1.00	WST-MISC.	2000 GAL TANK CLEANING AND DISPOSAL - INERT TANK CUT OPEN AND STEAM CLEAN OUT		
155.00	WST-SLU	OILY SLUDGE DISPOSAL - NONREG		

Subtotal	
Sales Tax	
Fuel Fee	
Total Invoice Amount	
Payment/Credit Applied	
TOTAL	0.00

Check/Credit Memo No: 26246

INVOICES PAID AFTER 30 DAYS WILL BE CHARGED FINANCE CHARGES

STRAIGHT BILL OF LADING – SHORT FORM – Original – Not Negotiable

Shipper's No. _____

(Carrier) PHOENIX ENVIRONMENTAL SCAC. _____ Carrier's No. WAR0000(0785

Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:

at _____, date 4/11/08 from _____

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said compa (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at sa destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or a portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: (Mail or street address of consignee for purposes of notification only.)	FROM:
Consignee PHOENIX ENVIRONMENTAL	Shipper PACIFIC PLAZA GARAGE (E
Street 1901 EAST D STREET	Street 12TH & PACIFIC AVE
Destination TACOMA Zip 98421	Origin TACOMA Zip
Route:	

Delivering Carrier	Trailer Initial/Number	U.S. DOT Hazmat Reg. Number
PHOENIX ENVIRONMENTAL		

No. of packages	HM	Description of articles, special marks, and exceptions	Hazard Class	I.D. Number	Packing Group	*Weight (subject to correction)	Class or rate	Labels required (if exemption)	Check column
1		2,000 GAL STEEL TANK (Empty)				2,500LBS			

Remit C.O.D. to: N/A
Address:
City: State: Zip:

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." Note. – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

COD AMT: $

Charges Advanced $

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. FEE: Prepaid ☑ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Co

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per N/A

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVER'S SIGNATURE:

SPECIAL INSTRUCTIONS:

SHIPPER: PACIFIC PLAZA GARAGE
PER: H&K UNDERGROUND DATE: 4/11/08

CARRIER: PHOENIX ENVIRONMENTAL
PER: _____ DATE: 4/11/08

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation

Permanent post office address of shipper

29-BLS-C3 (Rev.

INVOICE

PHOENIX ENVIRONMENTAL SERVICES
2212 Port of Tacoma Road
TACOMA, WASHINGTON 98421

PHONE: (888) 475-0116
FAX: (253) 779-8470

INVOICE NUMBER: 2839780
INVOICE DATE: 4/10/08
PAGE: 1

SOLD TO:
H&K UNDERGROUND
4521 FREEMAN ROAD
PUYALLUP, WA 98371

253-922-8444

CUSTOMER ID	CUSTOMER PO	PAYMENT TERMS
HK100		Net 30 Days

SALES REP ID	PROFILE DATE	DUE DATE
	STEVE KINDEL	5/10/08

QUANITY	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENSION
700.00 Gl	PS300	old PS300 Fuel oil		
100.00 Gal	oily sludge	oily sludge		X
6.0 hrs	Truck Driver	Truck & Driver Time		
6.0 hrs	Helper	Labor		

US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	Facility I.D.	Test PH	Test CHLOR	Containers No.	Containers Type	Total Quantity	Unit Wt./ Vol.	Container Size		
COMBUSTIBLE LIQUID N.O.S., (PETROLEUM NAPHTHA) NA1993, PGIII, ERG (128)									0 to 220 lbs per month Initials ____	SUBTOTAL
MATERIAL NOT REGULATED BY D.O.T. SPENT ANTIFREEZE (FOR RECYCLE) FP ____									220 to 2200 lbs. per month Initials ____	SALES TAX
USED OIL FILTERS ☐ CRUSHED NON REGULATED ☐ UNCRUSHED									over 2200 lbs per month Initials ____	FUEL FEE
"USED OIL"	B	NA	NA	1	TT	700	Gl	TT		TOTAL
oil sludge	B	NA	NA	1	TT	100	Gl	TT		PAST DUE

A = DESIGNATED FACILITY: PHOENIX ENVIRONMENTAL SERVICE, INC. 2212 PORT OF TACOMA ROAD TACOMA, WA 98421 1-888-475-0116 WAH000012930
B = DESIGNATED FACILITY: PHOENIX ENVIRONMENTAL SERVICE, INC. 1901 EAST "D" STREET TACOMA, WA 98421 1-888-475-0116 WAH000016212

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFED, DESCRIBED, PACKAGED, MARKED & LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF ALL GOVERNMENT AGENCIES. I CERTIFY THE MATERIALS DESCRIBED ABOVE ON THIS B.O.L. ARE NOT SUBJECT TO FEDERAL REGULATIONS FOR REPORTING PROPER DISPOSAL OF HAZARDOUS WASTE.

ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION **Generator's Signature Indicates Approval of Waste Profiles.** (See Reverse Side)
Finance Charge of 1 1/2 % Per Month Over Net 30 Plus Collection and / Or Attorney Fees if Applicable.

X [signature] — PRINT NAME | X [signature] — GENERATOR SIGNATURE | 4-10-08 — DATE

[signature] — PRINT NAME | [signature] — TRANSPORTER SIGNATURE | 4-10-08 — DATE

PRINT FACILITY | FACILITY OPERATOR | DATE

PHOENIX ENVIRONMENTAL SERVICES, INC.
2212 PORT OF TACOMA ROAD
TACOMA, WA 98421
USA

Voice: 253-779-8474
Fax: 253-779-8470

INVOICE

Invoice Number: 2839787
Invoice Date: Apr 11, 2008
Page: 1
Duplicate

Bill To:	Ship to:
H&K UNDERGROUND 4521 FREEMAN ROAD PUYALLUP, WA 98371	PACIFIC PLAZA

Customer ID	Customer PO	Payment Terms	
HK100		Net 30 Days	
Sales Rep ID	**Shipping Method**	**Ship Date**	**Due Date**
	NONE		5/11/08

Quantity	Item	Description	Unit Price	Amount
		SPILL CLEAN UP RESPONSE PACKAGE		
		TRUCK WITH SUPPLY'S AND VACUUM		
		TRUCK- VAC OUT AFFECTED STORM		
		DRAINS AND CLEAN OFF		
		CONTAMINATED ASPHALT		
7.75	TR-DR.	TRUCK AND DRIVER (PACKAGE TRUCK)		
7.75	TR-DR.	TRUCK AND DRIVER (VACUUM TRUCK)		
7.75	TR-LABOR	EXTRA LABORER		
875.00	WST-O/W.	MIXED OIL/WATER - NONREG		
300.00	WST-SLU	OILY SLUDGE DISPOSAL - NONREG		
2.00	WST-ABS.	WASTE ABSORBENT MATERIAL		
2.00	MISC-DRUM CHARGE	DRUM CHARGE		
3.00	PR-ABS-REG	OIL ABSORBENT PADS 17X19 100ct		
1.00	PR-MISC.	DRAIN GUARD REPLACE		
		CONTAMINATED ONE		
1.00	PR-JE0331	JET WASHER SOAP/LIQUID N-033		

Subtotal	
Sales Tax	
Fuel Fee	
Total Invoice Amount	
Payment/Credit Applied	
TOTAL	0.00

Check/Credit Memo No: 26246

INVOICES PAID AFTER 30 DAYS WILL BE CHARGED FINANCE CHARGES

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001308 Trisha Summers

04/01/08 / / 13:55

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight. 0 LB

Charge ticket

QTY.	UNIT					
30.69	TON	83 SOIL DISPOSAL-OC	31.85	977.48	35.19	1012.67

1012.67

PO # TICKET 16526
NOTES BILLED NUPRECON IN ERROR

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

02 | 001309 Trisha Summers

04/01/08 / / 13:56

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight 0 LB

Charge ticket

QTY	UNIT					
29.70	TON	83 SOIL DISPOSAL-OC	31.85	945.95	34.05	980.00

980.00

PO # TICKET 16522
NOTES BILLED NUPRECON IN ERROR

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001310 Trisha Summers

04/01/08 / / 13:56

Charge ticket

Gross Wt.	0	LB
Tare Wt.	0	LB
Net Weight	0	LB

QTY	UOM					
30.22	TON	83 SOIL DISPOSAL-OC	31.85	962.51	34.65	997.16

997.16

PO #
NOTES TICKET 16470
BILLED NUPRECON IN ERROR

May 16 08 10:59a H-K Underground, Inc. (253)922-8856 p.1b

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001311 Trisha Summers

04/01/08 / / 13:57

Gross Wt.	0	LB
Tare Wt.	0	LB
Net Weight	0	LB

Charge ticket

	UNIT					
27.45	TON	83	SOIL DISPOSAL-OC	31.85	874.28	31.47	905.75

905.75

PO #
NOTES TICKET 16455
BILLED NUPRECON IN ERROR

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

02 001312 Trisha Summers

04/01/08 / / 13:57

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight 0 LB

Charge ticket

QTY	UNIT					
31.18	TON	83 SOIL DISPOSAL-OC	31.85	993.08	35.75	1028.83

1028.83

PO # TICKET 16418
NOTES BILLED NUPRECON IN ERROR

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001313 Trisha Summers

04/01/08 / / 13:58

Charge ticket

Gross Wt.	0	LB				
Tare Wt.	0	LB				
Net Weight	0	LB				

30.02	TON	83 SOIL DISPOSAL-OC	31.85	956.14	34.42	990.56

990.56

PO # TICKET 16404
NOTES BILLED NUPRECON IN ERROR

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001314 Trisha Summers

04/01/08 / / 13:58

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight 0 LB

Charge ticket

26.73	TON	83 SOIL DISPOSAL-OC	31.85	851.35	30.65	882.00

882.00

PO # TICKET 16365
NOTES BILLED NUPRECON IN ERROR

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001315 Trisha Summers

04/01/08 / / 13:59

Gross Wt.	0	LB	Charge ticket			
Tare Wt.	0	LB				
Net Weight	0	LB				

24.95	TON	83 SOIL DISPOSAL-OC	31.85	794.66	28.61	823.27

823.27

PO #
NOTES BILLED NUPRECON IN ERROR

TICKET 16358

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

02 001316 | Trisha Summers

04/01/08 / / 14:15

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight 0 LB

Charge ticket

31.68	TON	83	SOIL DISPOSAL-OC	31.85	1009.01	36.32	1045.33

1045.33

PO #
NOTES TICKET 16570
BILLED NUPRECON IN ERROR

WEIGHMASTER		
IME OUT	VEHICLE	GALLONS
09:30	NUP34	
OTHER		

rge ticket

SION	FEE	TOTAL
9.01	36.32	1045.33

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

TENDERED	1045.33
CHANGE	
AMOUNT DUE	

PO # WDA 1211A
NOTES HARLOW TRK 34

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

02 001317 Trisha Summers

04/01/08 / / 14:15

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

Charge ticket

Gross Wt.	0	LB
Tare Wt.	0	LB
Net Weight	0	LB

31.83	TON	83 SOIL DISPOSAL-OC	31.85	1013.79	36.50	1050.29

1050.29

PO #
NOTES

TICKET 16558
BILLED NUPRECON IN ERROR

WEIGHMASTER		
E OUT	VEHICLE	ROLL OFF
?:01	NUP17	

?ER

e ticket

?N	FEE	TOTAL
1013.79	36.50	1050.29

31.85

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 1211A
NOTES HARLOW TRK 17

1050.29
TENDERED
CHANGE
CHECK NO

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
~~17925~~ Meridian St E
Puyallup, WA 98375

02 001318 Trisha Summers

04/01/08 / / 14:16

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

Charge ticket

Gross Wt.	0	LB
Tare Wt.	0	LB
Net Weight	0	LB

28.96	TON	83 SOIL DISPOSAL-OC	31.85	922.38	33.21	955.59

955.59

PO #
NOTES TICKET 16621
BILLED NUPRECON IN ERROR

WEIGHMASTER

TIME OUT	VEHICLE	HOIST OFF
11:10	NUP17	

OTHER

rge ticket

ISION	FEE	TOTAL
2.38	33.21	955.59

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

955.59
GRAHAM
CHECK NO.

PO # WDA 1211A
NOTES HARLOW TRK 17

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001319 Trisha Summers

04/01/08 / / 14:16

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight 0 LB

Charge ticket

29.94	TON	83 SOIL DISPOSAL-OC		31.85	953.59	34.33	987.92

987.92

PO # TICKET 16629
NOTES BILLED NUPRECON IN ERROR

WEIGHMASTER

TIME OUT	VEHICLE	ROLL OFF
11:34	NUP34	

OTHER

rge ticket

NSION	TEN	TOTAL
53.59	34.33	987.92

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

987.92

PO # WDA 1211A
NOTES HARLOWW TRK 34

FCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

02 001320 Trisha Summers

04/01/08 / / 14:17

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

Gross Wt.	0	LB
Tare Wt.	0	LB
Net Weight	0	LB

Charge ticket

27.25	TON	83 SOIL DISPOSAL-OC	31.85	867.91	31.24	899.15

899.15

PO #
NOTES TICKET 16665
BILLED NUPRECON IN ERROR

TIME OUT	VEHICLE
13:22	NUP17

OTHER

arge ticket

					...SION	FEE	TOTAL
27.25	TON	83 SOIL DISPOSAL-OC	31.85	867.91	31.24	899.15

899.15

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 1211A
NOTES HARLOW 17

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001321 Trisha Summers

04/01/08 / / 14:17

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight 0 LB

Charge ticket

30.95	TON	83 SOIL DISPOSAL-OC		31.85	985.76	35.49	1021.25

1021.25

PO # TICKET 16699
NOTES BILLED NUPRECON IN ERROR

WEIGHMASTER

TIME OUT	VEHICLE	HAUL OFF
14:34	NUP34	

OTHER

rge ticket

DIVISION	FEE	TOTAL
5.76	35.49	1021.25

1021.25 TENDERED

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 1211A
NOTES HARLOW TRK 34

May 16 08 10:56a H-K Underground, Inc. (253)922-8856 p.1

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
~~17925~~ Meridian St E
Puyallup, WA 98375

02 001322 Trisha Summers

04/01/08 / / 14:18

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

Gross Wt. 0 LB
Tare Wt. 0 LB
Net Weight 0 LB

Charge ticket

29.48	TON	83 SOIL DISPOSAL-OC	31.85	938.94	33.80	972.74

972.74

PO # TICKET 16715
NOTES BILLED NUPRECON IN ERROR

WEIGHMASTER

TIME OUT	VEHICLE	TRUCK OUT
15:31	NUP17	

OTHER

arge ticket

VISION	FEE	TOTAL
38.94	33.80	972.74

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 1211A
NOTES HARLOW TRK 17

972.74
TENDERED
CHANGE
CHECK NO.

ADJUSTMENT
PCRCD, LLC dba LRI-304th ST
17925 Meridian St E
Puyallup, WA 98375

000878 H-K UNDERGROUND// INC.
4521 FREEMAN RD. E.
PUYALLUP WA 98371

02 001323 Trisha Summers

04/01/08 / / 14:28

Charge ticket

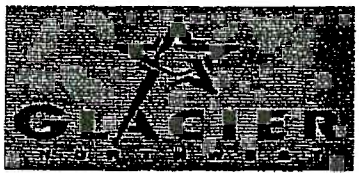
Gross Wt.	0	LB	
Tare Wt.	0	LB	
Net Weight	0	LB	

QTY	UNIT					
30.60	TON	83 SOIL DISPOSAL-OC	31.85	974.61	35.09	1009.70

5.8.08

1009.70

PO # TICKET 16761
NOTES BILLED NUPRECON IN ERROR



INVOICE

Customer #	Ship To	Bill To
1006238	5044378	1006238

Invoice No: 90428369
Invoice Date: 04/15/2008
Invoice Amt: 3,084.53
Invoice Due: 05/15/2008

5975 East Marginal Way South
SEATTLE, WA 98134
USA

Phone: 206 764-3000
Fax: 206 764-3012
E-mail: customerservice@glaciernw.com

Bill to:
ABSHER CONSTR CO
PO Box 280
PUYALLUP WA 98371-0152
USA

Ship to:
1250 PACIFIC AVE
TACOMA
WA 98499

Customer P.O.	Cust Order #	Project/Order #	Shipped Via	Terms	Due Date
454	1399354	1398708	Delivery	Net due 30 days	05/15/2008

Ship Date	Ticket Number	Plant	Prod Num	Description	UM	Quantity Shipped	Unit Price	Tax	Gross Price
04/15/2008	186418	721R	1420	1.5 SK FLY AEA CDF / LEAN	CY	10.000	56.45	N	564.50
04/15/2008	186433	721R	1420	1.5 SK FLY AEA CDF / LEAN	CY	10.000	56.45	N	564.50
04/15/2008	186459	721R	1420	1.5 SK FLY AEA CDF / LEAN	CY	10.000	56.45	N	564.50
04/15/2008	186472	721R	1420	1.5 SK FLY AEA CDF / LEAN	CY	10.000	56.45	N	564.50
04/15/2008	186487	721R	1420	1.5 SK FLY AEA CDF / LEAN	CY	9.500	56.45	N	536.28
				Environmental Fee				N	222.75
				Fuel Surcharge				N	67.50

PO# 52
033105.84-0100-001

RECEIVED
APR 22 2008
ABSHER CONSTRUCTION CO

Please include invoice number on checks & copy of invoices with adjustments

Total Quantity: 49.500

State & Local Taxes 0.00 %

SUBTOTAL: 3,084.53
Tax : 0.00
Total : 3,084.53

REMIT TO:
Glacier Northwest (Washington)
P O Box 3601
SEATTLE WA 98124-3601

Thank you for your business!

See Terms and conditions on reverse side.

ORIGINAL

GeoEngineers

APPENDIX B
PERMITS AND ECOLOGY SITE ASSESSMENT CHECKLIST

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

WASHINGTON STATE DEPARTMENT OF ECOLOGY

FOR OFFICE USE ONLY
Site #:
Facility Site ID #:

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): n/a

Site/Business Name: Pacific Plaza Parking Garage

Site Address: 1250 Pacific Avenue (Street) Telephone: (___)

Tacoma (City) Washington (State) (Zip Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
n/a	1,750	Boiler Heating oil

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

___ Investigate suspected release due to on-site environmental contamination.
___ Investigate suspected release due to off-site environmental contamination.
___ Extend temporary closure of UST system for more than 12 months.
___ UST system undergoing change-in-service.
___ UST system permanently closed with tank removed.
X Abandoned tank containing product.
___ Required by Ecology or delegated agency for UST system closed before 12/22/88.
___ Other (describe): _____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
1. The location of the UST site is shown on a vicinity map.	X TSD	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	X TSD	
3. A summary of UST system data is provided. (see Section 3.1.)	X TSD	
4. The soils characteristics at the UST site are described. (see Section 5.2)	X TSD	
5. Is there any apparent groundwater in the tank excavation?	minor perched	table TSD
6. A brief description of the surrounding land use is provided. (see Section 3.1)	x TSD	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	x TSD	
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	x TSD	
- groundwater samples distinguished from soil samples (if applicable)		N/a
- samples collected from stockpiled excavated soil	x TSD	
- tank and piping locations and limits of excavation pit	x TSD	
- adjacent structures and streets	x TSD	
- approximate locations of any on-site and nearby utilities	x TSD	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)		N/a
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	x TSD	
11. Any factors that may have compromised the quality of the data or validity of the results are described.		N/a

12. *The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.*		

SITE ASSESSOR INFORMATION

Tricia DeDonne — Person registered with Ecology
GeoEngineers — Firm Affiliated with

Business Address: 1101 S. Fawcett Avenue, Ste 200 — Street
Telephone: (253) 383-4940

Tacoma, Washington 98402
City — State — Zip Code

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

12/15/08 — Date
Signature of Person Registered with Ecology

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.

ERTS # 605007

Department of Ecology - Environmental Report Tracking System

Initial Report

External Reference #

Caller Information

	First	Last
Name	TRACY	WILLIS
Busines Name		
Street Address		
Other Address		
City	TACOMA	State WA Zip
E-mail		Confidential_FL

Phone	Ext	Type
(253) 446-3348		Business

Where did it happen

	Berth	Anchorag
Location Name	PACIFIC AVE JOB SITE	
Street Address	1250 PACIFIC AVE	
Other Address		
City/Place	TACOMA	State WA Zip
County - Region	PIERCE	SWRO FS ID
WIRA #		
Waterway		Type
Latitude		Longitude
Topo Quad 1:24:000	TACOMA	

Direction/Landmark (mile post, cross roads, township/range)

What happened

Spills Program Oil Spill? N

Incident Date	4/11/2008	Received Date	4/14/2008 10:29
Medium	SOIL		
Material	PETROLEUM - FUEL OIL		
	Quantity	Unit	
Source	UNDERGROUND STORAGE TANK		
Cause	LEAKING UNDERGROUND STORAGE TANK		
Incident Type			
Activity	UNKNOWN		
Impact	SOIL CONTAMINATION		
Vessel Name			
Hull Number			

Primary Potentially Responsible Party Information

	First	Last
Name		UNKOWN
Business Name		
Street Address		
Other Address		
City		State WA Zip
Phone	Ext	Type
E-mail		

Additional Contact Information

Name	Phone	Ext	Type

More Information

CALLER REPORTING THAT UNDERGROUND HEATING OIL TANK WAS REMOVED ON FRIDAY AT ABSHER CONSTRUCTIONS PACIFIC AVE JOB SITE IN TACOMA. SOIL CONTAMINATION WAS FOUND AROUND THE HEATING OIL TANK.

Entry Person SMITHERMAN, OPAL Entry Date 4/14/2008

ERTS # 605007

Referral

Referral # 111196

Referral Method
E-mail ERTS number
E-mail attachment
Print
Telephone

Person Referred to: PLIA, HOT CORDINATOR — Primary
Phone: (360) 586-5997 Fax: (360) 586-3184
E-mail: pliamail@plia.wa.gov
Program/Organization: PLIA - HEATING OIL TANKS
Address: 1015 10TH AVE SE
City: OLYMPIA WA 98504-0930
Region/Location: PLIA
Referral Date: 4/14/2008

Referral # 111198

Referral Method
E-mail ERTS number
E-mail attachment
Print
Telephone

Person Referred to: TACOMA PIERCE COUNTY HEALTH DEPARTMENT, SHERRILYN — Primary
Phone: (253) 798-2891 Fax: (253) 798-6294
E-mail: erts@tpchd.org
Program/Organization: TOXICS CLEANUP
Address:
City: TACOMA WA
Region/Location: swro
Referral Date: 4/14/2008

ERTS # 605007

Followup

Inspector Information

Referral # 111196
Lead Inspector PLIA, HOT CORDINATOR
Program/Organization PLIA - HEATING OIL TANKS

* Region/Location PLIA

# of Ecology Staff | Action | Overtime | Start Date | End Date
E-MAIL | | | 4/14/2008 | 4/14/2008

Where did it happen

Berth Anchorag
Location PACIFIC AVE JOB SITE
Street Address 1250 PACIFIC AVE
Other Address
City/Place TACOMA State WA
City/Place TACOMA State WA Zip
County PIERCE Regio SWRO FS ID
Waterway Type
WRIA #

What happened

Incident Date 4 /11/2008
Spills Program Oil Spill? N
Latitude Longitude
Topo Quad 1:24,000 TACOMA
Direction/Landmark (mile post, cross roads, township/range)

Medium
SOIL
Material
PETROLEUM - FUEL OIL
Quantity Unit Est

Source
UNDERGROUND STORAGE TANK
Cause
LEAKING UNDERGROUND STORAGE TANK
Incident Type

Activity
UNKNOWN
Impact
SOIL CONTAMINATION
Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to

Primary First Last
Name UNKOWN
Business Name
Street
Other Address
City State WA Zip
Phone Ext Type
E-mail

Narrative

From: Xyzlinda Marshall [mailto:xmarshall@plia.wa.gov] On Behalf Of PLIAMail
Sent: Monday, April 14, 2008 10:57 AM
To: Smitherman, Opal (ECY)
Subject: RE: ERTS605007.pdf - Adobe Acrobat Professional

I'm sorry, this property is not registered with our program. Please let me know if you need anything else.

Xyzlinda Marshall, Administrative Secretary

Pollution Liability Insurance Agency

From: Smitherman, Opal (ECY) [mailto:ODAV461@ECY.WA.GOV]
Sent: Monday, April 14, 2008 10:39 AM
To: PLIAMail
Subject: ERTS605007.pdf - Adobe Acrobat Professional

<<ERTS605007.pdf>>
Good Morning
I am referring the above ERTS for investigation. Please send me any follow-up information.
Thank You

ERTS # 605007

Opal Smitherman
Southwest Regional Office
Environmental Response Coordinator
360-407-6300 Phone
odav461@ecy.wa.gov

Entry Person: SMITHERMAN, OPAL Entry Date 4/14/2008

*** The Initial report contains only information provided to Ecology from the complainant.

TACOMA-PIERCE COUNTY HEALTH DEPARTMENT

No. 1211B

AMENDED WASTE DISPOSAL AUTHORIZATION

FILE COPY
Tacoma Pierce County
Health Department
4/28/2008 12:00:00 PM
Clerk 6-T1
Waste Disposal Auth Renew/Mod
$10.00
Receipt #101321
Visa 4007 McPhetridge

(XX) Non-Asbestos

( ) Asbestos (PSCAA Case # _____)

(XXX) Amendment

A. Generator Name: Pacific Plaza Parking Garage – City of Tacoma / GeoEngineers

B. Site Address: So. 13th & Pacific Avenue, Tacoma WA

C. Transporter Names: Contracted hauler

D. Technical Contact: Tricia DeOme, GeoEngineers Phone: (253)383-4940

E. Waste Description: Petroleum Contaminated Soils

( ) Sludge (XX) Solid (XX) Contaminated Soil ( ) Other

F. Approved Quantity: 300 Tons authorized for this Amendment (Project Total 2100 Tons)

G. **Actual Quantity (Filled in upon disposal):** _____

H. Multiple Loads: (XX) Yes ( ) No

I. Dates of Disposal: April 28, 2008 through August 20, 2008

J. Testing: NWTPH-Dx & Gx; VOC's; SVOC's & Total Metals (RCRA-8)

K. Reviewed by Department of Ecology: ( ) Yes (XX) No

L. Disposal/Transportation Requirements: Soils demonstrating excessive odors are not suitable for use as daily cover and shall be directly buried (disposed of) in the landfill. If odors are not excessive and the soils physical characteristics are suitable for utilization as a daily cover then the soils may be used as alternative daily cover. If soils are dry and a potential for windblown dust exists, loads shall be covered. The transporter shall maintain a copy of this waste disposal authorization in their cab and provide it to the scalehouse attendant upon delivery to the LRI Landfill.

M. Facility: (XX) LRI Landfill (304th Street LF), 30919 Meridian East, Graham, WA

CERTIFICATION

I hereby certify that I have personally examined and am familiar with the information submitted in this document and any supporting material. Based on my inquiry of those individuals immediately responsible for obtaining the information, the information submitted is true, accurate and complete to the best of my knowledge and ability and that all known and suspected hazards have been disclosed. I agree that the generator and/or transporter will abide by all conditions specified in line (L) or any attachments thereto.

Date	Title	Signature

AUTHORIZED BY:

APPROVED
APR 28 2008
TACOMA-PIERCE COUNTY HEALTH DEPT
ENVIRONMENTAL HEALTH DIV.

Andy Comstock (253) 798-6538
Cc: Jim Crandall, Olivier Allen-Mol, LRI,, fax # (253) 875-4788

Tacoma Fire Department
PERMIT APPLICATION

1. APPLICANT INFORMATION

Date: 04/10/08

Permit Type: UNDERGROUND TANK REMOVAL (See back)

Permittee (Firm): ABSHER CONSTRUCTION

Address: 1001 SHAW RD

Applicant Name: WILLIS, ROBERT/TRACY

Phones: Office: 253 845 9644 Fax: _____

2. SITE INFORMATION

Site Address: 1250 PACIFIC AV

Site Contact: TRACY WILLIS Phone: _____

Property Owner: _____

Address: _____

3. FINANCIAL

Permit Fee $ 225 00 NO permit fee _____

Make checks payable to **CITY TREASURER**

Check number 8083 Receipt number _____

For billing information use: *Permit & Service Fees Billing Form*

FEES SHALL NOT BE REFUNDED UPON FAILURE TO QUALIFY FOR A PERMIT.

4. Upon APPROVAL by Fire Department, the applicant will be notified.

Approved by: [signature] Date 04/10/08

Denied _____ Reason for denial _____

Special conditions or comments: _____

Original to FPB **Copy to Applicant**

Tacoma | Pierce County
Health Department
Healthier. Safer. Smarter.

Tacoma Pierce County
Health Department

4/9/2008 8:28:34 AM
Clerk 5-11
UST Removal/Abandonment 1 Tank
$750.00
Receipt #99043
Ck # 133481 Rusher Construction
VALIDATION

UNDERGROUND STORAGE TANK REMOVAL PERMIT

Tacoma-Pierce County Health Department (TPCHD)

Site Location 1250 Pacific Avenue Tacoma, WA

Facility Name Pacific Plaza

Removal Firm H & K Underground

Number of Tanks to be Removed (1) One

All work must be performed in accordance with TPCHD Board of Health Resolution No. 88-1056.

K Orr
Approval Signature

Permit #_____

Notice must be provided to the TPCHD five (5) business days prior to UST decommissioning. An UST site assessment report must be submitted to the TPCHD within 90 days of UST decommissioning.

Permit must be accessible at site - DO NOT ALTER OR DEFACE
Expires 180 days from validation date.

GeoEngineers

APPENDIX C
FIELD PROGRAM

APPENDIX C
FIELD PROGRAM

GENERAL

Subsurface conditions were observed during UST excavation activities at the site to evaluate the potential presence of petroleum hydrocarbons, metals, VOCs, SVOCs, in soil on April 11, 14 and 15, 2008.

A representative from our staff observed and classified the soils encountered in general accordance with American Society for Testing and Materials (ASTM) D 2488-90.

SOIL SAMPLING

Soil samples were collected using excavator and hand tools equipment. Upon retrieval, a GeoEngineers geologist examined the soil and performed field screening tests. The soil samples were collected from the center of the excavator bucket.

Selected soil samples were collected in glass jars (supplied by the analytical laboratory), labeled and stored in an ice-chest pending delivery to the laboratory. GeoEngineers' personnel used the recommended Method 5035A sampling protocols to collect soil samples for analysis of volatile organic compounds. All sampling equipment was decontaminated between samples using an Alconox soap wash and distilled water rinse.

FIELD SCREENING METHODS

Our representative conducted field screening on each of the soil samples obtained from the excavation. Field screening results can be used as a general guideline to delineate areas of potential petroleum-related contamination in soils. In addition, screening results are often used as a basis for selecting soil samples for chemical analysis. The screening methods employed included: 1) visual examination, 2) screening for organic vapors and 3) water sheen testing.

Visual screening consists of observing the soil for stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavy petroleum hydrocarbons such as motor oil, or when hydrocarbon concentrations are high. Sheen screening and headspace screening are more sensitive screening methods that can be effective in detecting petroleum-based products in concentrations lower than regulatory cleanup guidelines.

Headspace vapor testing for combustible gases consisted of using a Mini RAE 2000 photoionization detector (PID). Headspace vapor screening involves placing a soil sample in a plastic bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of the Mini RAE 2000 PID is inserted into the bag and the Mini RAE 2000 PID measures the concentration of organic vapors in the sample bag headspace. The Mini RAE 2000 PID is calibrated to isobutylene and is designed to quantify organic vapor concentrations up to 2,500 ppm (parts per million). The lower threshold of significance of the Mini RAE 2000 PID in this application is 10 ppm; however, values of zero were recorded by the instrument.

Water sheen testing involves placing soil in water and observing the water surface for signs of sheen. Sheens are classified as follows:

No Sheen (NS)	No visible sheen on water surface.
Slight Sheen (SS	Light colorless film, spotty to globular; spread is irregular, not rapid; areas of no sheen remain; film dissipates rapidly.
Moderate Sheen (MS)	Light to heavy film, may have some color or iridescence, globular to stringy, spread is irregular to flowing; few remaining areas of no sheen on water surface.
Heavy Sheen (HS)	Heavy colorful film with iridescence; stringy, spread is rapid; sheen flows off the sample; most of water surface may be covered with sheen.

APPENDIX D
CHEMICAL ANALYTICAL PROGRAM

ANALYTICAL METHODS

Chain-of-custody procedures were followed during the transfer of field samples to the analytical laboratory. The samples were held in cold storage pending extraction and/or analysis. The analytical results, analytical methods reference and laboratory quality assurance/quality control (QA/QC) records are included in this appendix. The analytical results are also summarized in the text of this report.

ANALYTICAL DATA REVIEW

The laboratory maintains an internal quality assurance program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries, and blank spike duplicate recoveries to evaluate the validity of the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The data quality goals were included in the laboratory reports. The laboratory compared each group of samples with the existing data quality goals and noted any exceptions in the laboratory report.

ANALYTICAL DATA REVIEW SUMMARY

It is our opinion that the analytical data are of acceptable quality for their intended use based on our data quality review.

GeoEngineers

APPENDIX D
CHEMICAL ANALYTICAL PROGRAM

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

04/17/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: UST-Product-080410
Sample Matrix: Oil
Date Sampled: 04/10/2008
Date Received: 04/10/2008
Spectra Project: 2008040183
Spectra Number: 1

Analyte	Result	Units	Method
HCID- Gasoline	ND	mg/Kg	NWTPH-HCID
HCID-Diesel	ND	mg/Kg	NWTPH-HCID
HCID-Oil	Present*	mg/Kg	NWTPH-HCID

*Sample contains Heavy Oil that appears to be Bunker C. **No surrogates added to sample.

Surrogate	Recovery	Method
p-Terphenyl	0**	NWTPH-HCID
4-Bromofluorobenzene	0**	NWTPH-HCID

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/snb

200304013

SPECTRA Laboratories

CHAIN of CUSTODY

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

PAGE 1 of 1

STANDARD ☐ RUSH ☒

CLIENT: GeoEngineers ADDRESS: 1101 S. Fawcett ADDRESS CHANGE ☐

PROJECT: ~~1605-241-01~~ Pacific Plaza

CONTACT: Tricia DeOre

PHONE: 253-262-2114 FAX:

e-MAIL: tdeore@geoengineers.com Prefer FAX ☐ or e-MAIL ☒

PURCHASE ORDER #: 1605-241-01

	SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX	NUMBER OF CONTAINERS	HYDROCARBONS: NWTPH-HCID	BTEX	BTEX/NWTPH-G	NWTPH-G	NWTPH-Dx	1664 SGT-HEM	1664 HEM	ORGANICS: 8260/624 VOA	8260 CHLOR SOLVENTS	8270/625 SEMI VOA	8270 PAH/PNA	8082/608 PCB		METALS: TOTAL METALS RCRA8	TOTAL METALS (SPECIFY)	TCLP METALS RCRA 8	TCLP METALS (SPECIFY)		OTHER: pH 9040/9045	TX/TOX 9076	TURBIDITY	FLASH POINT	BOD	SOLIDS (SPECIFY)						
1	UST-Product-080410	4/10	1045	P	1	X																												
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		

SPECIAL INSTRUCTIONS/COMMENTS:

RETURN SAMPLES ☐ DISPOSE SAMPLES ☐
(Shipping Fee Applies)

	SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME
RELINQUISHED BY		Tricia DeOre	GeoEngineers	4/10/08	1105
RECEIVED BY	Analee West	Analee West	Spectra	4/10/08	11:05am
RELINQUISHED BY					
RECEIVED BY					

Payment Terms: Net 30 days. Past due accounts subject to 1½% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. *Spectra Analytical, Inc.*

M99CS000569M 01/06

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

04/16/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Disp-02
Sample Matrix: Soil
Date Sampled: 04/15/2008
Date Received: 04/15/2008
Spectra Project: 2008040244
Spectra Number: 1
Rush

Analyte	Result	Units	Method
Diesel	407*	mg/Kg	NWTPH-D
Oil	447	mg/Kg	NWTPH-D

*Sample contains diesel range organics that appear to be weathered diesel.

Surrogate	Recovery	Method
p-Terphenyl	77	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/jjb

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

04/16/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#:	16574-001-01
Project:	Pacific Plaza
Client ID:	Disp-03
Sample Matrix:	Soil
Date Sampled:	04/15/2008
Date Received:	04/15/2008
Spectra Project:	2008040244
Spectra Number:	2
	Rush

Analyte	Result	Units	Method
Diesel	76.5*	mg/Kg	NWTPH-D
Oil	104	mg/Kg	NWTPH-D

*Sample contains diesel range organics that appear to be weathered diesel.

Surrogate	Recovery	Method
p-Terphenyl	87	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/jjb

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

04/24/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-W. Wall-01
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 1

Analyte	Result	Units	Method
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	74	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/sgh

SPECTRA Laboratories
2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

04/24/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-Btm-SW
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 2

Analyte	Result	Units	Method
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	72	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/sgh

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04/24/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-Btm-NW
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 3

Analyte	Result	Units	Method
Diesel	1340	mg/Kg	NWTPH-D
Oil	2010	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	94	NWTPH-D

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04/24/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-W. Wall-02
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 4

Analyte	Result	Units	Method
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	63	NWTPH-D

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04/24/2008

GeoEngineers, Inc.
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Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-N. Wall
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 5

Analyte	Result	Units	Method
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	78	NWTPH-D

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Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-S. Wall
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 6

Analyte	Result	Units	Method
Diesel	839	mg/Kg	NWTPH-D
Oil	1060	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	98	NWTPH-D

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04/24/2008

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Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-E. Wall
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 7

Analyte	Result	Units	Method
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	78	NWTPH-D

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04/24/2008

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Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-Btm-E
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040243
Spectra Number: 8

Analyte	Result	Units	Method
Diesel	5790	mg/Kg	NWTPH-D
Oil	9030	mg/Kg	NWTPH-D

*Surrogate diluted out of range.

Surrogate	Recovery	Method
p-Terphenyl	0*	NWTPH-D

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04/25/2008

GeoEngineers, Inc.
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Tacoma, WA 98402
Attn: Tricia DeOme

Project: Pacific Plaza
Client ID: (040243-1) Conf-W.Wall-01
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040406
Spectra Number: 1
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Acenaphthene--SIM	<0.003	mg/Kg	8270C SIM	Total Chromium	24	mg/Kg	SW846 6010B
Acenaphthylene--SIM	<0.003	mg/Kg	8270C SIM	Total Lead	< 4	mg/Kg	SW846 6010B
Anthracene--SIM	<0.003	mg/Kg	8270C SIM	Total Selenium	< 8	mg/Kg	SW846 6010B
Benzo(a)Anthracene--SIM	<0.003	mg/Kg	8270C SIM	Total Silver	< 0.7	mg/Kg	SW846 6010B
Benzo(a)Pyrene--SIM	<0.003	mg/Kg	8270C SIM	Total Mercury	< 0.05	mg/Kg	SW846 7471B
Benzo(b)Fluoranthene--SIM	<0.003	mg/Kg	8270C SIM	1,1,1,2-Tetrachloroethane	<0.005	mg/Kg	SW846 8260B
Benzo(ghi)Perylene--SIM	<0.003	mg/Kg	8270C SIM	1,1,1-Trichloroethane	<0.005	mg/Kg	SW846 8260B
Benzo(k)Fluoranthene--SIM	<0.003	mg/Kg	8270C SIM	1,1,2,2-Tetrachloroethane	<0.005	mg/Kg	SW846 8260B
Chrysene--SIM	<0.003	mg/Kg	8270C SIM	1,1,2-Trichloroethane	<0.005	mg/Kg	SW846 8260B
Dibenz(a,h)Anthracene--SIM	<0.003	mg/Kg	8270C SIM	1,1-Dichloroethane	<0.005	mg/Kg	SW846 8260B
Fluoranthene--SIM	<0.003	mg/Kg	8270C SIM	1,1-Dichloroethene	<0.005	mg/Kg	SW846 8260B
Fluorene--SIM	<0.003	mg/Kg	8270C SIM	1,1-Dichloropropene	<0.005	mg/Kg	SW846 8260B
Indeno(1,2,3-cd)Pyrene--SIM	<0.003	mg/Kg	8270C SIM	1,2,3-Trichlorobenzene	<0.005	mg/Kg	SW846 8260B
Naphthalene--SIM	<0.003	mg/Kg	8270C SIM	1,2,3-Trichloropropane	<0.005	mg/Kg	SW846 8260B
Phenanthrene--SIM	<0.003	mg/Kg	8270C SIM	1,2,4-Trichlorobenzene	<0.005	mg/Kg	SW846 8260B
Pyrene--SIM	<0.003	mg/Kg	8270C SIM	1,2,4-Trimethylbenzene	<0.005	mg/Kg	SW846 8260B
Total Arsenic	< 5	mg/Kg	SW846 6010B	1,2-Dibromo3Chloropropane	<0.05	mg/Kg	SW846 8260B
Total Barium	42	mg/Kg	SW846 6010B	1,2-Dibromoethane (EDB)	<0.005	mg/Kg	SW846 8260B
Total Cadmium	< 0.3	mg/Kg	SW846 6010B	1,2-Dichlorobenzene	<0.005	mg/Kg	SW846 8260B

Volatiles analyzed via 5035 low level direct sparge.

Surrogate	Recovery	Method
Dibromofluoromethane	88	SW846 8260B
1,2-Dichloroethane-d4	71	SW846 8260B
Toluene-d8	100	SW846 8260B
4-Bromofluorobenzene	107	SW846 8260B
Nitrobenzene-d5--SIM	55	8270C SIM
2-Fluorobiphenyl--SIM	71	8270C SIM
p-Terphenyl-d14--SIM	125	8270C SIM

Surrogate	Recovery	Method

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04/25/2008

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Attn: Tricia DeOme

Project: Pacific Plaza
Client ID: (040243-1) Conf-W.Wall-01
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040406
Spectra Number: 1
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,2-Dichloroethane	<0.005	mg/Kg	SW846 8260B	Bromodichloromethane	<0.005	mg/Kg	SW846 8260B
1,2-Dichloropropane	<0.005	mg/Kg	SW846 8260B	Bromoform	<0.005	mg/Kg	SW846 8260B
1,3,5-Trimethylbenzene	<0.005	mg/Kg	SW846 8260B	Bromomethane	<0.005	mg/Kg	SW846 8260B
1,3-Dichlorobenzene	<0.005	mg/Kg	SW846 8260B	Carbon Tetrachloride	<0.005	mg/Kg	SW846 8260B
1,3-Dichloropropane	<0.005	mg/Kg	SW846 8260B	Chlorobenzene	<0.005	mg/Kg	SW846 8260B
1,4-Dichlorobenzene	<0.005	mg/Kg	SW846 8260B	Chlorodibromomethane	<0.005	mg/Kg	SW846 8260B
2,2-Dichloropropane	<0.005	mg/Kg	SW846 8260B	Chloroethane	<0.005	mg/Kg	SW846 8260B
2-Butanone (MEK)	<0.05	mg/Kg	SW846 8260B	Chloroform	<0.005	mg/Kg	SW846 8260B
2-Chlorotoluene	<0.005	mg/Kg	SW846 8260B	Chloromethane	<0.005	mg/Kg	SW846 8260B
2-Hexanone (MBK)	<0.05	mg/Kg	SW846 8260B	Dibromomethane	<0.005	mg/Kg	SW846 8260B
4-Chlorotoluene	<0.005	mg/Kg	SW846 8260B	Dichlorodifluoromethane	<0.005	mg/Kg	SW846 8260B
4-Isopropyltoluene	<0.005	mg/Kg	SW846 8260B	Ethylbenzene	<0.005	mg/Kg	SW846 8260B
4-methyl-2-pentanone (MIBK)	<0.05	mg/Kg	SW846 8260B	Hexachlorobutadiene	<0.005	mg/Kg	SW846 8260B
Acetone	<0.05	mg/Kg	SW846 8260B	Isopropylbenzene	<0.005	mg/Kg	SW846 8260B
Acrolein	<0.05	mg/Kg	SW846 8260B	Methyl-tert-Butyl Ether	<0.005	mg/Kg	SW846 8260B
Acrylonitrile	<0.05	mg/Kg	SW846 8260B	Methylene chloride	<0.01	mg/Kg	SW846 8260B
Benzene	<0.005	mg/Kg	SW846 8260B	Naphthalene	<0.005	mg/Kg	SW846 8260B
Bromobenzene	<0.005	mg/Kg	SW846 8260B	Styrene	<0.005	mg/Kg	SW846 8260B
Bromochloromethane	<0.005	mg/Kg	SW846 8260B	Tetrachloroethene	<0.005	mg/Kg	SW846 8260B

Volatiles analyzed via 5035 low level direct sparge.

Surrogate	Recovery	Method
Dibromofluoromethane	88	SW846 8260B
1,2-Dichloroethane-d4	71	SW846 8260B
Toluene-d8	100	SW846 8260B
4-Bromofluorobenzene	107	SW846 8260B
Nitrobenzene-d5--SIM	55	8270C SIM
2-Fluorobiphenyl--SIM	71	8270C SIM
p-Terphenyl-d14--SIM	125	8270C SIM

Surrogate	Recovery	Method

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04/25/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

Project: Pacific Plaza
Client ID: (040243-1) Conf-W.Wall-01
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040406
Spectra Number: 1
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Toluene	<0.005	mg/Kg	SW846 8260B				
Total Xylenes	<0.01	mg/Kg	SW846 8260B				
Trichloroethene	<0.005	mg/Kg	SW846 8260B				
Trichlorofluoromethane	<0.005	mg/Kg	SW846 8260B				
Vinyl Acetate	<0.05	mg/Kg	SW846 8260B				
Vinyl chloride	<0.005	mg/Kg	SW846 8260B				
cis-1,2-Dichloroethene	<0.005	mg/Kg	SW846 8260B				
cis-1,3-Dichloropropene	<0.005	mg/Kg	SW846 8260B				
n-Butylbenzene	<0.005	mg/Kg	SW846 8260B				
n-Propylbenzene	<0.005	mg/Kg	SW846 8260B				
sec-Butylbenzene	<0.005	mg/Kg	SW846 8260B				
tert-Butylbenzene	<0.005	mg/Kg	SW846 8260B				
trans-1,2-Dichloroethene	<0.005	mg/Kg	SW846 8260B				
trans-1,3-Dichloropropene	<0.005	mg/Kg	SW846 8260B				

Volatiles analyzed via 5035 low level direct sparge.

Surrogate	Recovery	Method	Surrogate	Recovery	Method
Dibromofluoromethane	88	SW846 8260B			
1,2-Dichloroethane-d4	71	SW846 8260B			
Toluene-d8	100	SW846 8260B			
4-Bromofluorobenzene	107	SW846 8260B			
Nitrobenzene-d5--SIM	55	8270C SIM			
2-Fluorobiphenyl--SIM	71	8270C SIM			
p-Terphenyl-d14--SIM	125	8270C SIM			

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04/25/2008

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Attn: Tricia DeOme

Project: Pacific Plaza
Client ID: (040243-8) Conf-btm-E
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040406
Spectra Number: 2
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Acenaphthene--SIM	0.70	mg/Kg	8270C SIM	Total Chromium	19	mg/Kg	SW846 6010B
Acenaphthylene--SIM	0.35	mg/Kg	8270C SIM	Total Lead	< 4	mg/Kg	SW846 6010B
Anthracene--SIM	0.13	mg/Kg	8270C SIM	Total Selenium	< 8	mg/Kg	SW846 6010B
Benzo(a)Anthracene--SIM	0.12	mg/Kg	8270C SIM	Total Silver	< 0.7	mg/Kg	SW846 6010B
Benzo(a)Pyrene--SIM	0.054	mg/Kg	8270C SIM	Total Mercury	< 0.05	mg/Kg	SW846 7471B
Benzo(b)Fluoranthene--SIM	0.056	mg/Kg	8270C SIM	1,1,1,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260B
Benzo(ghi)Perylene--SIM	0.036	mg/Kg	8270C SIM	1,1,1-Trichloroethane	<0.025	mg/Kg	SW846 8260B
Benzo(k)Fluoranthene--SIM	0.032	mg/Kg	8270C SIM	1,1,2,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260B
Chrysene--SIM	0.21	mg/Kg	8270C SIM	1,1,2-Trichloroethane	<0.025	mg/Kg	SW846 8260B
Dibenz(a,h)Anthracene--SIM	<0.025	mg/Kg	8270C SIM	1,1-Dichloroethane	<0.025	mg/Kg	SW846 8260B
Fluoranthene--SIM	0.10	mg/Kg	8270C SIM	1,1-Dichloroethene	<0.025	mg/Kg	SW846 8260B
Fluorene--SIM	0.65	mg/Kg	8270C SIM	1,1-Dichloropropene	<0.025	mg/Kg	SW846 8260B
Indeno(1,2,3-cd)Pyrene--SIM	<0.025	mg/Kg	8270C SIM	1,2,3-Trichlorobenzene	<0.025	mg/Kg	SW846 8260B
Naphthalene--SIM	0.128	mg/Kg	8270C SIM	1,2,3-Trichloropropane	<0.025	mg/Kg	SW846 8260B
Phenanthrene--SIM	0.50	mg/Kg	8270C SIM	1,2,4-Trichlorobenzene	<0.025	mg/Kg	SW846 8260B
Pyrene--SIM	0.22	mg/Kg	8270C SIM	1,2,4-Trimethylbenzene	<0.025	mg/Kg	SW846 8260B
Total Arsenic	< 5	mg/Kg	SW846 6010B	1,2-Dibromo3Chloropropane	<0.25	mg/Kg	SW846 8260B
Total Barium	34	mg/Kg	SW846 6010B	1,2-Dibromoethane (EDB)	<0.025	mg/Kg	SW846 8260B
Total Cadmium	< 0.3	mg/Kg	SW846 6010B	1,2-Dichlorobenzene	<0.025	mg/Kg	SW846 8260B

Volatiles analyzed via 5035 Medium level Methanolic Extraction.

Surrogate	Recovery	Method
Dibromofluoromethane	99	SW846 8260B
1,2-Dichloroethane-d4	102	SW846 8260B
Toluene-d8	99	SW846 8260B
4-Bromofluorobenzene	118	SW846 8260B

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04/25/2008

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Attn: Tricia DeOme

Project: Pacific Plaza
Client ID: (040243-8) Conf-btm-E
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040406
Spectra Number: 2
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,2-Dichloroethane	<0.025	mg/Kg	SW846 8260B	Bromodichloromethane	<0.025	mg/Kg	SW846 8260B
1,2-Dichloropropane	<0.025	mg/Kg	SW846 8260B	Bromoform	<0.025	mg/Kg	SW846 8260B
1,3,5-Trimethylbenzene	<0.025	mg/Kg	SW846 8260B	Bromomethane	<0.025	mg/Kg	SW846 8260B
1,3-Dichlorobenzene	<0.025	mg/Kg	SW846 8260B	Carbon Tetrachloride	<0.025	mg/Kg	SW846 8260B
1,3-Dichloropropane	<0.025	mg/Kg	SW846 8260B	Chlorobenzene	<0.025	mg/Kg	SW846 8260B
1,4-Dichlorobenzene	<0.025	mg/Kg	SW846 8260B	Chlorodibromomethane	<0.025	mg/Kg	SW846 8260B
2,2-Dichloropropane	<0.025	mg/Kg	SW846 8260B	Chloroethane	<0.025	mg/Kg	SW846 8260B
2-Butanone (MEK)	<0.25	mg/Kg	SW846 8260B	Chloroform	<0.025	mg/Kg	SW846 8260B
2-Chlorotoluene	<0.025	mg/Kg	SW846 8260B	Chloromethane	<0.025	mg/Kg	SW846 8260B
2-Hexanone (MBK)	<0.25	mg/Kg	SW846 8260B	Dibromomethane	<0.025	mg/Kg	SW846 8260B
4-Chlorotoluene	<0.025	mg/Kg	SW846 8260B	Dichlorodifluoromethane	<0.025	mg/Kg	SW846 8260B
4-Isopropyltoluene	0.046	mg/Kg	SW846 8260B	Ethylbenzene	<0.025	mg/Kg	SW846 8260B
4-methyl-2-pentanone (MIBK)	<0.25	mg/Kg	SW846 8260B	Hexachlorobutadiene	<0.025	mg/Kg	SW846 8260B
Acetone	<0.25	mg/Kg	SW846 8260B	Isopropylbenzene	0.318	mg/Kg	SW846 8260B
Acrolein	<0.25	mg/Kg	SW846 8260B	Methyl-tert-Butyl Ether	<0.025	mg/Kg	SW846 8260B
Acrylonitrile	<0.25	mg/Kg	SW846 8260B	Methylene chloride	<0.10	mg/Kg	SW846 8260B
Benzene	<0.025	mg/Kg	SW846 8260B	Naphthalene	<0.025	mg/Kg	SW846 8260B
Bromobenzene	<0.025	mg/Kg	SW846 8260B	Styrene	<0.025	mg/Kg	SW846 8260B
Bromochloromethane	<0.025	mg/Kg	SW846 8260B	Tetrachloroethene	<0.025	mg/Kg	SW846 8260B

Volatiles analyzed via 5035 Medium level Methanolic Extraction.

Surrogate	Recovery	Method
Dibromofluoromethane	99	SW846 8260B
1,2-Dichloroethane-d4	102	SW846 8260B
Toluene-d8	99	SW846 8260B
4-Bromofluorobenzene	118	SW846 8260B

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04/25/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

Project: Pacific Plaza
Client ID: (040243-8) Conf-btm-E
Sample Matrix: Soil
Date Sampled: 04/14/2008
Date Received: 04/15/2008
Spectra Project: 2008040406
Spectra Number: 2
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Toluene	<0.05	mg/Kg	SW846 8260B				
Total Xylenes	<0.05	mg/Kg	SW846 8260B				
Trichloroethene	<0.025	mg/Kg	SW846 8260B				
Trichlorofluoromethane	<0.025	mg/Kg	SW846 8260B				
Vinyl Acetate	<0.25	mg/Kg	SW846 8260B				
Vinyl chloride	<0.025	mg/Kg	SW846 8260B				
cis-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260B				
cis-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260B				
n-Butylbenzene	1.18	mg/Kg	SW846 8260B				
n-Propylbenzene	0.56	mg/Kg	SW846 8260B				
sec-Butylbenzene	0.75	mg/Kg	SW846 8260B				
tert-Butylbenzene	0.046	mg/Kg	SW846 8260B				
trans-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260B				
trans-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260B				

Volatiles analyzed via 5035 Medium level Methanolic Extraction.

Surrogate	Recovery	Method
Dibromofluoromethane	99	SW846 8260B
1,2-Dichloroethane-d4	102	SW846 8260B
Toluene-d8	99	SW846 8260B
4-Bromofluorobenzene	118	SW846 8260B

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2008040243

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CHAIN of CUSTODY

PAGE 1 of 1

STANDARD [X] RUSH [X] see comment

CLIENT: GeoEngineers

ADDRESS: 1101 S. Fawcett Tacoma WA 98402

ADDRESS CHANGE ☐

PROJECT: Pacific Plaza

CONTACT: Tricia DeOme

PHONE: 253-383-2114 FAX:

e-MAIL: Prefer FAX ☐ or e-MAIL ☐

PURCHASE ORDER #: 1659-00101

	SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX	NUMBER OF CONTAINERS	NWTPH-HCID	BTEX	BTEX/NWTPH-G	NWTPH-G	NWTPH-D_X	1664 SGT-HEM	1664 HEM	8260/624 VOA	8260 CHLOR SOLVENTS	8270/625 SEMI VOA	8270 PAH/PNA	8082/608 PCB	TOTAL METALS RCRA8	TOTAL METALS (SPECIFY)	TCLP METALS RCRA 8	TCLP METALS (SPECIFY)	pH 9040/9045	TX/TOX 9076	TURBIDITY	FLASH POINT	BOD	SOLIDS (SPECIFY)	Hold for PAH + VOC
1	Conf-W.Wall-01	4/14	~~0915~~ 1320	S	4					X																		X
2	Conf-Btm-SW	↓	1325	S	4					X																		X
3	Conf-btm-NW	↓	1335	↓	4					X																		X
4	Conf-W.Wall-02	↓	1350	↓	4					X																		X
5	Conf-N.Wall	↓	1500	↓	4					X																		X
6	Conf-S.Wall	↓	1510	↓	4					X																		X
7	Conf-E.Wall	↓	1520	↓	4					X																		X
8	Conf-Btm-E	↓	1525	↓	5					~~X~~																		X
9	Disp-02	↓	1530	↓	1					X																		
10	Disp-03	↓	1535	↓	1					X																		

SPECIAL INSTRUCTIONS/COMMENTS:

Rush- Disp-02 + Disp-03

	SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME
RELINQUISHED BY	[signature]	Bethanie Roberts	GEI	4/14/08	4:45 pm
RECEIVED BY	[signature]	Analee West	Spectra	4/14/08	4:45pm
RELINQUISHED BY					
RECEIVED BY					

RETURN SAMPLES ☐ DISPOSE SAMPLES ☐
(Shipping Fee Applies)

Payment Terms: Net 30 days. Past due accounts subject to 1½% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. *Spectra Analytical, Inc.*

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

04/18/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: DISP-7.5-01
Sample Matrix: Soil
Date Sampled: 04/11/2008
Date Received: 04/11/2008
Spectra Project: 2008040222
Spectra Number: 1

Analyte	Result	Units	Method
Diesel	2540*	mg/Kg	NWTPH-D
Oil	5740	mg/Kg	NWTPH-D

*Sample contains diesel range organics that appear to be weathered diesel. **Surrogates diluted out of range.

Surrogate	Recovery	Method
p-Terphenyl	0**	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/mlh

SPECTRA Laboratories

FXG

2008040222

CHAIN of CUSTODY

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

PAGE 1 of 1

STANDARD ☐ RUSH ☒

CLIENT: GeoEngineers ADDRESS: 1101 SFawcett ADDRESS CHANGE ☐

PROJECT: Pacific Place

CONTACT: Tricia DeDine

PHONE: 253-383-4940 FAX:

e-MAIL: tdedine@geoengineers.com Prefer FAX ☐ or e-MAIL ☒

PURCHASE ORDER #: 16574-001-07

	SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX	NUMBER OF CONTAINERS	HYDROCARBONS: NWTPH-HCID	BTEX	BTEX/NWTPH-G	NWTPH-G	NWTPH-Dx	1664 SGT-HEM	1664 HEM	ORGANICS: 8260/624 VOA	8260 CHLOR SOLVENTS	8270/625 SEMI VOA	8270 PAH/PNA	8082/608 PCB	METALS: TOTAL METALS RCRA8	TOTAL METALS (SPECIFY)	TCLP METALS RCRA 8	TCLP METALS (SPECIFY)	OTHER: pH 9040/9045	TX/TOX 9076	TURBIDITY	FLASH POINT	BOD	SOLIDS (SPECIFY)
1	DISP-9.5-01	4/11	950	S	4					X																	
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											

SPECIAL INSTRUCTIONS/COMMENTS:

	SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME
RELINQUISHED BY		Tricia DeDine	GeoEngineers	4/11/08	1550
RECEIVED BY	Analee West	Analee West	Spectra	4/11/08	3:50pm
RELINQUISHED BY					
RECEIVED BY					

RETURN SAMPLES ☐ DISPOSE SAMPLES ☐

(Shipping Fee Applies)

Payment Terms: Net 30 days. Past due accounts subject to 1½% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. *Spectra Analytical, Inc.*

SPECTRA Laboratories

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COPY

GeoEngineers

05/09/2008

MAY 13 2008

Routing

File

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

P.O.#: 16574-001-01
Project: Pacific Plaza
Client ID: Conf-Btm-E-02
Sample Matrix: Soil
Date Sampled: 04/15/2008
Date Received: 04/15/2008
Spectra Project: 2008040245
Spectra Number: 1

Analyte	Result	Units	Method
Diesel	203	mg/Kg	NWTPH-D
Oil	284	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	93	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a6/nw

2008040245

SPECTRA Laboratories

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CHAIN of CUSTODY

PAGE 1 of 1

STANDARD [X] RUSH [ ]

CLIENT: GEI

ADDRESS: 1101 S. Fawcett Ave. Suite 200 ADDRESS CHANGE [ ]

PROJECT: 16574-001-01

CONTACT: Tricia

PHONE: 253-267-2114 FAX:

e-MAIL: Prefer FAX [ ] or e-MAIL [ ]

PURCHASE ORDER #:

#	SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX	NUMBER OF CONTAINERS	NWTPH-HCID	BTEX	BTEX/NWTPH-G	NWTPH-G	NWTPH-D_x	1664 SGT-HEM	1664 HEM	8260/624 VOA	8260 CHLOR SOLVENTS	8270/625 SEMI VOA	8270 PAH/PNA	8082/608 PCB	TOTAL METALS RCRA8	TOTAL METALS (SPECIFY)	TCLP METALS RCRA 8	TCLP METALS (SPECIFY)	pH 9040/9045	TX/TOX 9076	TURBIDITY	FLASH POINT	BOD	SOLIDS (SPECIFY)
1	wnf-btm-E-02	04/15/08	0655	S	4					X																	
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											

SPECIAL INSTRUCTIONS/COMMENTS:

	SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME
RELINQUISHED BY	Chad C Opit	Chad C Opitz	GEI	04/15/08	0804
RECEIVED BY	Analee West	Analee West	Spectra	4/15/08	8:04am
RELINQUISHED BY					
RECEIVED BY					

RETURN SAMPLES [ ] DISPOSE SAMPLES [ ]
(Shipping Fee Applies)

Payment Terms: Net 30 days. Past due accounts subject to 1½% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. *Spectra Analytical, Inc.*

SPECTRA Laboratories

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04/30/2008

GeoEngineers, Inc.
1101 Fawcett
Suite 200
Tacoma, WA 98402
Attn: Tricia DeOme

Project: Pacific Plaza/16574-001-01
Client ID: Conf-Pipe
Sample Matrix: Soil
Date Sampled: 04/24/2008
Date Received: 04/24/2008
Spectra Project: 2008040438
Spectra Number: 1

Analyte	Result	Units	Method
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D

Surrogate	Recovery	Method
p-Terphenyl	106	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a6/snb

2003040438

Chain of Custody Record & Laboratory Analysis Request

Spectra

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

ARI Assigned Number:	Turn-around Requested:	Page: 1 of 1	
ARI Client Company:	Phone:	Date: 4/23	Ice Present?
Client Contact: GEI		No. of Coolers:	Cooler Temps:
Client Project Name: Pacific Plaza			
Client Project #: 1055-004-07	Samplers:		

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: NWTPH-Dx	Notes/Comments
Conf-opp	4/23	9:20	S	4		

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Bethanie Roberts	Printed Name: Marie Holt	Printed Name:	Printed Name:
	Company: GEI	Company: Spectra	Company:	Company:
	Date & Time: 4/24/08 1:23pm	Date & Time: 4-24-08 1:24	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

GeoEngineers

APPENDIX E
REPORT LIMITATIONS AND GUIDELINES FOR USE

APPENDIX E
REPORT LIMITATIONS AND GUIDELINES FOR USE[1]

This appendix provides information to help you manage your risks with respect to the use of this report.

ENVIRONMENTAL SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES, PERSONS AND PROJECTS

This report has been prepared for use by Pacific Plaza LLC. This report is not intended for use by others, and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except Pacific Plaza LLC should rely on this environmental report without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

THIS ENVIRONMENTAL REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

This report has been prepared for Pacific Plaza LLC. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this report, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

RELIANCE CONDITIONS FOR THIRD PARTIES

If a lending agency or other parties intend to place legal reliance on the product of our services, we require that those parties indicate in writing their acknowledgement that the scope of services provided, and the general conditions under which the services were rendered including the limitation of professional liability, are understood and accepted by them. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions.

ENVIRONMENTAL REGULATIONS ARE ALWAYS EVOLVING

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability.

[1] Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

UNCERTAINTY MAY REMAIN EVEN AFTER THIS SITE INVESTIGATION IS COMPLETED

No site investigation can wholly eliminate uncertainty regarding the potential for contamination in connection with a property. Our interpretation of subsurface conditions in this study is based on field observations and chemical analytical data from widely spaced sampling locations. It is always possible that contamination exists in areas that were not explored, sampled or analyzed.

SUBSURFACE CONDITIONS CAN CHANGE

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying this report to determine if it is still applicable.

MOST ENVIRONMENTAL FINDINGS ARE PROFESSIONAL OPINIONS

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

DO NOT REDRAW THE EXPLORATION LOGS

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design drawings. Only photographic or electronic reproduction is acceptable, but recognize that separating logs from the report can elevate risk.

READ THESE PROVISIONS CLOSELY

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

GEOTECHNICAL, GEOLOGIC AND GEOENVIRONMENTAL REPORTS SHOULD NOT BE INTERCHANGED

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings,

conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

BIOLOGICAL POLLUTANTS

GeoEngineers' Scope of Work specifically excludes the investigation, detection, or assessment of the presence of Biological Compounds which are Pollutants in or around any structure. Accordingly, this report includes no interpretations, recommendations, findings, or conclusions for the purpose of detecting, assessing, or abating Biological Pollutants. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts.