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January 28, 2013

Laurelhurst Corporation
7040 26th Avenue NE
Seattle, Washington 98115-5899

Re: Supplemental Focused Subsurface Investigation (FSI) and Soil Remediation
Baskin-Robbins
3200 NE 45th Street
Seattle, Washington 98105

Mr. Marier:

EconCon, Inc., (ECI) has conducted a Supplemental Focused Subsurface Investigation (FSI) and focused soil remediation for the Site located at 3200 Northeast 45th Street, Seattle, Washington (the "Subject Site). This FSI was completed following the assembly of a Phase I Environmental Site Assessment (ESA), and a previous FSI prepared for the Subject Site in 2012. The Phase I ESA identified that the Subject Site formally housed an automobile service and fueling station. The previous FSI identified contamination exceeding the Washington State Department of Ecology's (Ecology) Model Toxics Control Act Method A (MTCA-A) cleanup level for benzene in soil. These soils were remediated by excavation and disposal of the soil. Following soil remediation, additional borings were advanced to determine if groundwater was contaminated.

The Subject Site is located in the City of Seattle, Washington. The major intersection of NE 45th Street, NE 45th Place, Union Bay Place NE and Mary Gates Memorial Drive NE is located at the west-southwest corner of the Site. The surrounding area is predominately comprised of commercial properties, restaurants, professional & medical offices, single and multi-family residences, and public school land for the University of Washington. The eastern property boundary parallels the adjacent buildings to the east housing Diane's Alterations and Tailoring to the north and Farmers Insurance to the south. The southern boundary borders Northeast 45th Street and the northern boundary borders Northeast 45th Place. Refer to Figures 1, 2, and 3 attached in Attachment A.

Scope of Work

The general scope of this investigation was to remove the benzene contaminated soils observed in Boring B1 drilled during the previous FSI, and determine if there is additional contamination caused by the historic automotive service and fueling station. The area north-northeast of B1 was blocked by a parked car during the previous FSI and not investigated at that time but was investigated during this supplemental FSI. For this supplemental FSI, ECI advanced two borings on the interior of the building (B6

and B7), and one boring on the exterior of the building (B8). This FSI included soil and ground water assessments from within the boundaries of the Site, interior and exterior of the building, and within the parking lot area.

The project scope of work included the following:

- Underground utility location utilizing ground penetrating radar (GPR) to identify potential subsurface utilities and structures;
- Collection and analysis of five soil samples from the floor and sidewalls of the remedial excavation at the location of Boring B1;
- Collection and analysis of one soil sample from the soils removed from the excavation, that were placed into two 55-gallon drums;
- Collection and analysis of soil and groundwater samples using standard coring and direct push technology (DPT) sampling techniques; and
- Preparation of this Letter Report documenting the FSI activities, findings, analysis of data, conclusions and recommendations.

Physical Settings

The United States Geological Survey (USGS), 47122-F3 Seattle North, WA 7.5-Minute series topographic map (1983) was reviewed. According to topographic map, the Site is located at approximately 45 feet above mean sea level. The map shows that the topography in the vicinity of the Site slopes generally to the south and rises to the north.

The Site is located in the Puget Lowlands geologic region, an elongated topographic and structural depression filled with complex sequences of glacial and nonglacial sediments that overlie bedrock. Continental ice sheets up to 3,000 feet thick covered portions of the Puget Lowland several times during the Quaternary period. Retreating ice carved new landscapes, rechanneled rivers, drained or formed lakes, and deposited glacial drift including till and outwash (WA DNR, 2002). According to the United States Geologic Survey (USGS), the Site area overlies the Younger Glacial Drift, a till unit deposited during the Pleistocene Epoch, with a moraine as the primary geologic feature. Till is defined as hard, blue-gray to gray concrete-like mixture of clay, silt, sand and gravel, deposited as end or recessional moraines, principally Wisconsin in age. This unit is possibly outwash from the Fraser Glaciation approximately 10,000 to 20,000 years ago. The Site is covered by asphalt and a building. No exposed soils are present.

The primary aquifers in the Puget Sound region are typically overlain by relatively impermeable glacial till deposits that are present at or near the ground surface. Within these till deposits are localized areas or lenses of water-bearing sands and gravels that may result in a shallow, perched water table. Lateral and vertical migration of shallow groundwater may be impeded by the relatively impermeable nature of the till and by the sometimes-discontinuous nature of the perched water-bearing sands and gravel.

Perched and discontinuous zones of shallow groundwater may be seasonally or perennially present, depending on site-specific conditions. Shallow groundwater flow directions fluctuate and tend to follow topographic gradient but are also affected by seasonal high water tables and variable soil characteristics. Groundwater migration pathways may also follow underground conduits such as utility trenches.

Potable water for the Subject Site is provided by Seattle Public Utilities water system that receives water from the Tolt and Cedar Rivers. The nearest surface water in the vicinity of the Site is Ravenna Creek, located approximately ¼ mile southwest of the Site and Lake Washington located approximately ½ mile south of the Site. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the Site or surrounding properties. Based on a review of the USGS 47122-F3 SEATTLE NORTH, WA topographic map, the inferred groundwater flow at the site is to the south.

Preliminary Activities

On Wednesday January 23, 2013, ECI retained the services of Mountain View Locating (Mt. View) to locate the presence of private and public utilities, and subsurface soil anomalies within the Site boundary. Mt. View utilized a ground-penetrating radar (GPR). The GPR was used to sweep the asphalt surface of the entire Site, and standard locating tools were used within the interior of the building. During the previous investigation, five soil anomalies were identified in various locations of the Site, although none were identified for this investigation. The anomalies previously found may have been the result of instrument "noise". The interior investigation aided in the identification of the utilities within the building. ECI utilized this information to locate and advance the excavation and borings. In addition to utilizing the private utility locating service, ECI contacted the Public Utility Notification Center and requested utility locations services for the public right-of-ways adjacent to the Subject Site.

Soil Remediation Activities

On Thursday January 24, 2013, ECI retained the services of Hi-Tech Construction as a general contractor, utilizing a backhoe to excavate the soils surrounding previous Boring B1. The excavation area was approximately 4 by 6 in size and 8 feet deep (figure 3). Below the asphalt surface was fill material consisting of gravel, brown/grey sands with small gravels, metal debris (possibly former fuel line piping), brick debris, organic material, and concrete. The concrete footing of the former building/Pump Island area was observed along the northern sidewall of the excavation. This slab was observed from approximately 1-ft bgs to the base of the excavation, at 8-ft bgs.

The benzene contamination was previously identified at 6 feet below ground surface (bgs) in Boring B1. Hi-Tech advanced an excavation to 8-feet bgs with an approximate two-foot radius surrounding the location of B1. Water was observed entering the excavation at approximately 7-ft bgs. Because contaminated soil was not previously observed above 5 feet bgs, excavated soil from the ground surface to 5-ft bgs were stockpiled adjacent to the excavation. The soils from 5-ft bgs to 8-ft bgs were placed into two 55-gallon drums until disposal can be arranged. These drums are being stored adjacent to the northwest corner of the building at the Site. One soil sample was collected from the drummed soils, and

analyzed for lead (by EPA Method 6020A/3050B) as required to characterize the soils for disposal. ECI collected soil samples from each of the four sidewalls and from the floor of the remedial excavation. These five samples were used to confirm that the previously identified benzene contamination had been removed. No visual or olfactory indications of petroleum contamination were observed from the floor and sidewall samples. The excavation was backfilled with the stockpiled soils (from zero to 5-ft bgs), compacted, and brought to grade with gravel. The asphalt surface will be repaired.

Soil samples were collected using industry standard EPA Method 5035 sampling techniques. Immediately upon collection, all soil samples were labeled and submitted to an Ecology accredited laboratory (Environmental Services Network's (ESN) Laboratory). Six soil samples soil were submitted to ESN, under the industry standard chain-of-custody protocols. The one sample collected from the drummed soils was analyzed for lead by EPA Method 6020A/3050B. The five remaining samples, from the floor and sidewalls were analyzed for gasoline range organics (GRO) by Method NWTPH-Gx, diesel range organics (DRO) by Method NWTPH-Dx, and volatile petroleum compounds Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) by EPA Method 8021B. This remediation area, and the locations of the soil samples collected are depicted on Figure 3, Attachment A.

Subsurface Investigation

Also on Thursday January 24, 2013, ECI retained the services of Environmental Services Network (ESN) to advance three borings within the boundaries of the Subject Site. The two interior borings were advanced up gradient from the previously identified benzene contamination (Boring B1). The subsurface conditions on the interior of the building consisted of a concrete flooring, followed by sands and gravels, which appear to be fill material. The interior borings were advanced with a core sampler and single-use "macrocore" liners. These borings were not able to be advanced below 1 foot below ground surface (bgs) due concrete found at that depth. One soil sample was collected from the interior subsurface, Boring B6. This sample was collected at 1 foot bgs.

The exterior Boring (B8) was advanced in the immediate vicinity of the former fueling pump island, north and up gradient of Boring B1. This area was blocked by a parked car during the previous FSI. Boring B8 was advanced to a depth of 10 bgs utilizing a direct push "Geoprobe®" with five-foot single-use "macrocore" liners. All former and new boring locations are depicted on Figure 3 in Attachment A.

During drilling, soil conditions were logged and screened continuously using visual and olfactory observations. The soil conditions encountered during drilling were described, in general conformance with the Unified Soil Classification System (USCS) visual manual procedures (ASTM 2488D). The results of field screening and the soil conditions encountered during drilling are presented on the soil boring logs in Attachment C. Soil samples were selected for laboratory analysis based upon the results of field screening observations to provide representative data of subsurface conditions at the Subject Site.

One soil sample was collected from Boring B6, and three soil samples and one water sample was collected from Boring B8. All samples were collected using industry standard EPA Method 5035

sampling techniques. Immediately upon collection, all soil and ground water samples were labeled and submitted to the analytical laboratory. ECI utilized ESN's Laboratory, an Ecology accredited laboratory. All samples were submitted to ESN, under the industry standard chain-of-custody protocol. These samples were analyzed for gasoline range organics (GRO) by Method NWTPH-Gx, diesel range organics (DRO) by Method NWTPH-Dx, and BTEX by EPA Method 8021B.

Regulatory Compliance

Regulatory compliance for this project is based on the Washington Administrative Code (WAC) 173-340 – Model Toxic Control Act (MTCA) - Chapter 70.105D RCW and is regulated by the Washington State Department of Ecology (Ecology). Ecology has established cleanup standards and requirements for the cleanup actions. The rules establishing these standards and requirements were developed by Ecology in consultation with a Science Advisory Board (established under the Act) and with representatives from local government, citizen, environmental, and business groups. The rules were first published in February 1991, with amendments in January 1996, February 2001, and October 2007.

Target analytes associated with potential releases at an automobile service and fueling facility consist of GRO, DRO, and BTEX, identified as the contaminants of concern (COC). The applicable soil and ground water clean up levels (CUL) for the COC are published in Chapter 173-340 WAC– Table 740-1 Method A Cleanup Levels for Soil, unrestricted land uses and Table 720-1 Method A Cleanup Levels for Ground Water, unrestricted land uses. Both are attached to this report.

FINDINGS

Subsurface Conditions

The exterior ground surface is covered by asphalt, underlain by approximately 4 to 6 inches of gravel, followed by layered grey to light brown sands with gravel, both ranging in grain size within interbedded layers to the maximum depth of exploration of approximately 8 to 10 feet bgs. Groundwater was encountered in Boring B8, and within the excavation at approximately 5 to 7 feet bgs. Descriptions of the soil types encountered at each boring location and the results of field screening are presented on the boring logs in Attachment C.

Analytical Results

As noted above, a total of 10 soil samples and one ground water sample were collected and submitted to ESN's laboratory. Of the 10 soil samples collected, 9 soil samples and the one ground water sample were analyzed for gasoline range organics, diesel range organics, and BTEX. The remaining soil sample was analyzed for lead by EPA Method 6020A/3050B. Soil and ground water sample analytical results are summarized within the attached Tables. The analytical laboratory reports are included in Attachment D.

The analytical results of the confirmation samples collected from the base and sidewalls of the remedial excavation did not detect petroleum hydrocarbons above the laboratory detection limits. It appears from these results that the contaminated soil near Boring B1 was remediated.

The organic chemical compound benzene was detected at a concentration of 0.23 milligrams per kilogram (mg/kg) exceeding MTCA-A Cleanup Levels of 0.03 mg/kg in Boring B8 sample B8-S25 at a depth of 9 feet bgs. This sample also exceeded the MTCA-A Cleanup Level of 30 mg/kg for gasoline in soil of, a cleanup level used when benzene is present. When benzene is not present, the cleanup level for gasoline in soil is 100 mg/kg. Target analytes toluene, ethylbenzene, and xylenes were also reported above the laboratory method reporting limits in this sample, but below the MTCA Cleanup Levels. In addition, samples B8-S24 (5 feet bgs) and B8-S26 (10 feet bgs) were also reported to contain concnetratins above the laboratory reporting limits for these analytes and for hydrocarbons in the lubricating oil range, but not reported exceeding the MTCA-A Cleanup Levels.

The remaining soil samples were all reported below the laboratory method reporting limits. The attached tables and laboratory report both present the analytical results.

The groundwater sample collected from Boring B-8, sample B8-W8, collected at approximately 5 feet bgs was reported containing BTEX and gasoline exceeding the MTCA-A Cleanup Levels. The diesel range and lubricating oil range analytes were not reported above the laboratory reporting limits. The following table displays the analytical results from sample B8-W8, the duplicate analysis run on the sample, and the applicable MTCA-A Cleanup Levels.

Analyte	Sample B8-W8 (µg/L)	Sample B8-W8-Duplicate (µg/L)	MTCA-A Clean-up Levels (µg/L)
Benzene	**11,000**	**10,000**	5
Toluene	**54,000**	**47,000**	1,000
Ethylbenzene	**5,400**	**3,900**	700
Xylenes	**32,000**	**27,000**	1,000
GRO	**160,000**	**99,000**	1,000/800*

*If benzene is present, the cleanup level for gasoline in water is lowered from 1,000 to 800 (µg/L)

Conclusions

The following conclusions are supported by the findings of this Supplemental FSI and localized soil remediation:

- The benzene soil contamination, previously identified in Boring B1-S01 at 6 feet bgs, has been excavated and removed. These soils are contained in two 55-gallon drums. Analysis of confirmation samples from each of the four sidewalls and the floor of the excavation were all reported below the laboratory reporting limits.
- Soil and groundwater is contaminated at the location of the former automobile service and fueling station identified during the Phase I ESA prepared for the Subject Site. Soil concentrations of benzene and gasoline exceed MTCA Method A Soil Cleanup Levels at the location of Boring B8.

Groundwater concentrations of gasoline and BTEX exceeded the respective MTCA-Method A groundwater Cleanup Levels at the location of Boring B8.

- Two soil borings were advance within the interior of the building on the Site (currently a Baskin-Robbins store). One shallow soil sample was collected at a depth of 1 foot bgs. This sample reported all analytes below the laboratory reporting limits.

The soil remediation excavation for the benzene contaminated soil previously identified in Boring B1 exposed the footing an old building at the site. Because groundwater samples from the previous investigation at the Site (Borings B1 through B5) did not detect gasoline or BTEX above the respective MTCA-Method A groundwater Cleanup Levels, this footing may have contained the migration of contaminated groundwater keeping the contamination localized.

Recommendations

Based on the characterization of soils and groundwater, both horizontally and vertically adjacent to sample B8-S25 and B8-W8, the concentrations of BTEX and gasoline exceeding the MTCA-A Cleanup Levels are believed to be localized. It is appears at this time, based on subsurface investigation findings gathered in November 2012, groundwater down gradient from Boring B8 has not been impacted.

The Model Toxics Control Act Cleanup Regulation (WAC 173-340-300(2)) states that owners and operators are required to report the discovery of a release of hazardous substances that may pose a threat to human health or the environment and that the release must be reported within 90 calendar days of the date of discovery. ECI recommends the Laurelhurst Corporation notify Ecology within the 90 days. If you have any questions regarding this process or need assistance please feel free to contact us.

We appreciate the opportunity to provide environmental consulting services to you on this project. If you have any questions or comments regarding this submittal please do not hesitate to contact us at (253) 238-9270

Sincerely,

Stephen M. Spencer
Principal Environmental Scientist

David R. Polivka L.G./L.Hg.
Senior Geologist

List of Attachments:

Attachment A – Project Figures

- Figure 1 – Site Location Map
- Figure 2 – Site Topographic Map
- Figure 3 – Sample Location Map
- Figure 4 – Project Photographs

Attachment B – Project Tables

- Table 1 - Soil Sample Analytical Results
- Table 2 - Ground Water Sample Analytical Results

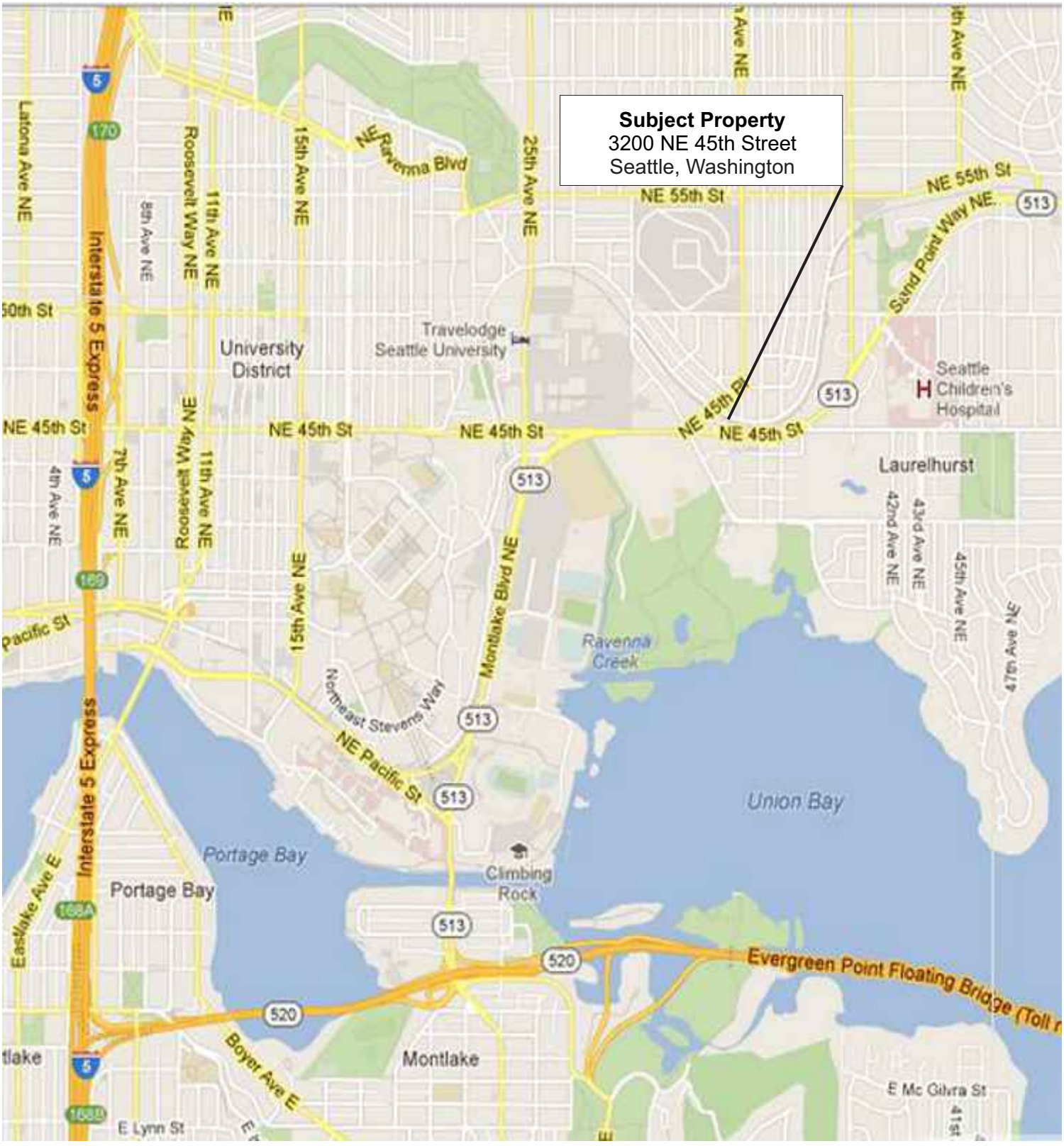
Attachment C - Project Boring Logs

Attachment D - Laboratory Analytical Results and Chain of Custody

Attachment E – Professional Qualifications

Attachment A

Project Figures



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Not To Scale

Site Vicinity Map
Focused Subsurface Investigation
3200 NE 45th Street
Seattle, Washington 98105

Date:	January 28, 2013
Completed By:	K. Allegretti
Reviewed By.:	S.Spencer
Version:	ECI-001
Project No.:	0453-04

Figure No.: 01
Sheet 01 of 01

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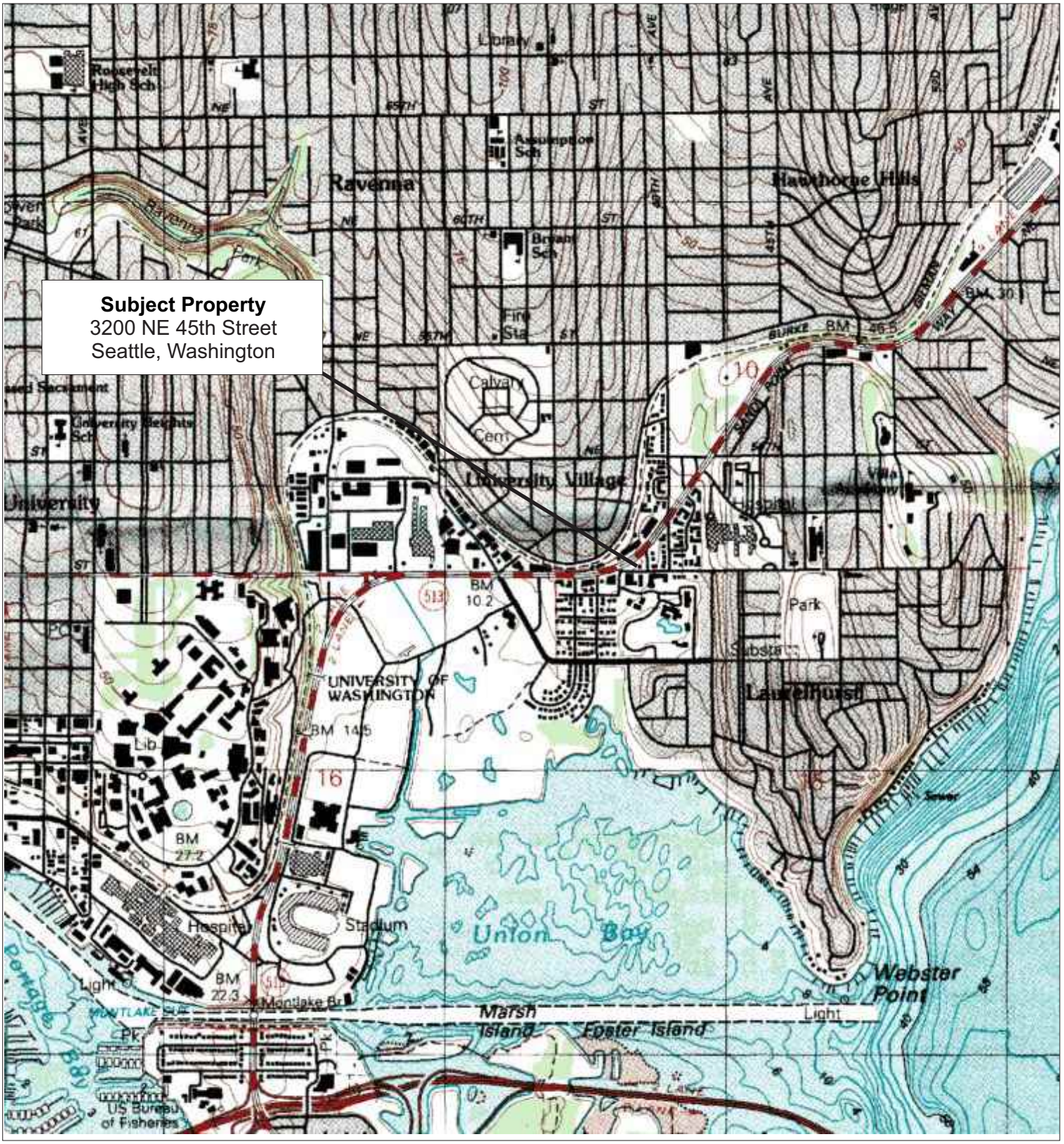

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Not To Scale

Site Topographic Map
Focused Subsurface Investigation
3200 NE 45th Street
Seattle, Washington 98105

Date:	January 28, 2013
Completed By:	K. Allegretti
Reviewed By.:	S.Spencer
Version:	ECI-001
Project No.:	0453-04

Figure No.: 02
Sheet 01 of 01

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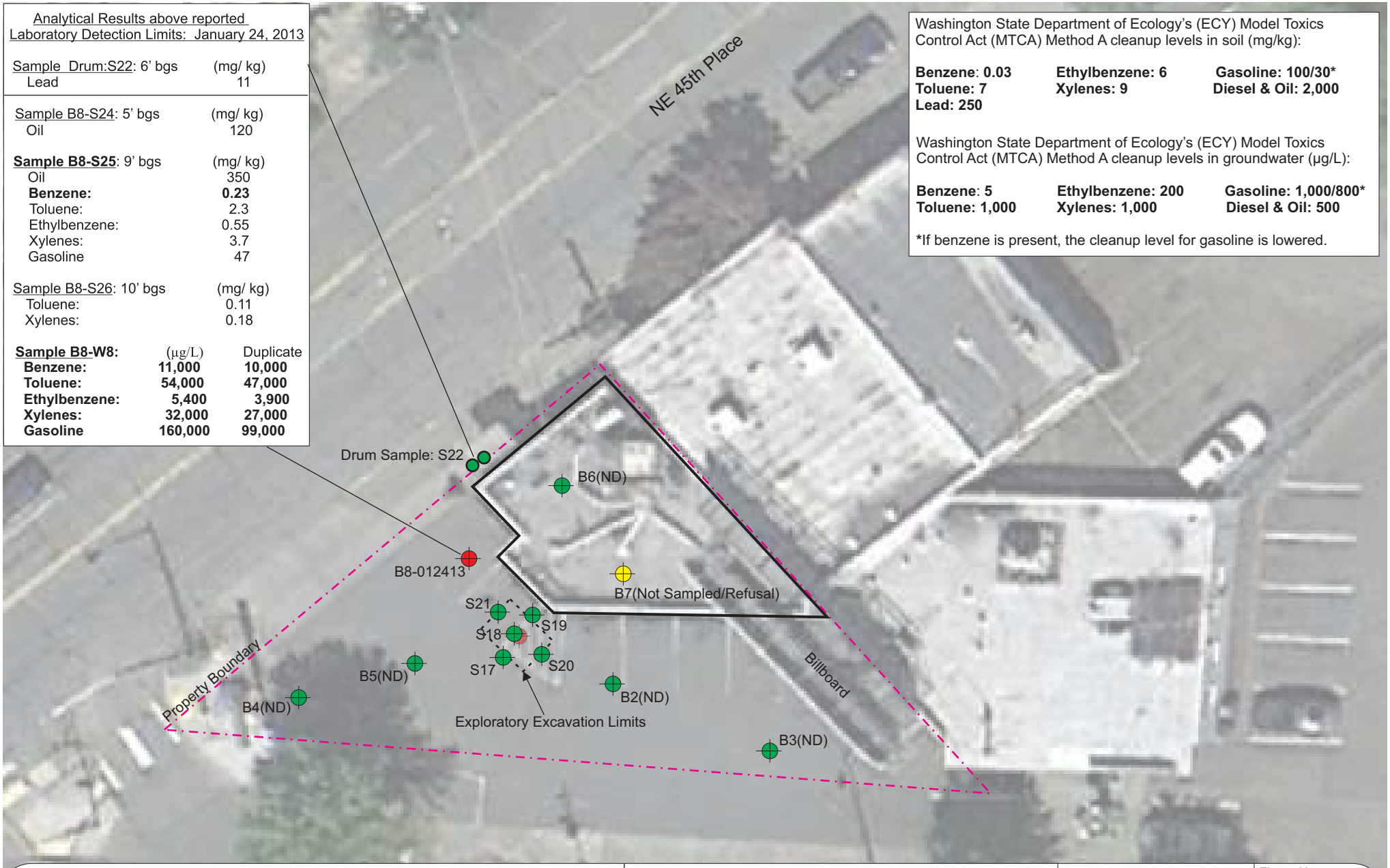

Analytical Results above reported Laboratory Detection Limits: January 24, 2013

Sample Drum:S22: 6' bgs	(mg/ kg)
Lead	11

Sample B8-S24: 5' bgs	(mg/ kg)
Oil	120

Sample B8-S25: 9' bgs	(mg/ kg)
Oil	350
Benzene:	**0.23**
Toluene:	2.3
Ethylbenzene:	0.55
Xylenes:	3.7
Gasoline	47

Sample B8-S26: 10' bgs	(mg/ kg)
Toluene:	0.11
Xylenes:	0.18

Sample B8-W8:	(µg/L)	Duplicate
Benzene:	**11,000**	**10,000**
Toluene:	**54,000**	**47,000**
Ethylbenzene:	**5,400**	**3,900**
Xylenes:	**32,000**	**27,000**
Gasoline	**160,000**	**99,000**

Washington State Department of Ecology's (ECY) Model Toxics Control Act (MTCA) Method A cleanup levels in soil (mg/kg):

Benzene: 0.03 **Ethylbenzene: 6** **Gasoline: 100/30***
Toluene: 7 **Xylenes: 9** **Diesel & Oil: 2,000**
Lead: 250

Washington State Department of Ecology's (ECY) Model Toxics Control Act (MTCA) Method A cleanup levels in groundwater (µg/L):

Benzene: 5 **Ethylbenzene: 200** **Gasoline: 1,000/800***
Toluene: 1,000 **Xylenes: 1,000** **Diesel & Oil: 500**

*If benzene is present, the cleanup level for gasoline is lowered.

Explanation

- Boring locations with soil and/or water sample results exceeding MTCA-A cleanup levels.
- Boring location samples reported below MTCA-A cleanup levels.

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Not To Scale

Sample Location Map
Focused Subsurface Investigation
3200 NE 45th Street
Seattle, Washington 98105

Date:	January 28, 2013
Completed By:	K. Allegretti
Reviewed By.:	S.Spencer
Version:	ECI-001
Project No.:	0453-04

Figure No.: 03
Sheet 01 of 01

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Photograph 1: Advancing boring B6 (attempt 1 of 3), adjacent to the freezers.

Photograph 2: Advancing boring B7, refusal encountered less than 1 foot bgs.

Photograph 3: Excavation of soils from boring B1 (October 2012), viewing southwest.

Photograph 4: View of concrete footing of former building, encountered on the north wall of the excavation.

Photograph 5: Advancing Boring B8, viewing northwest.

Photograph 6: Viewing northeast towards (from left to right:) the two stored 55-gallon drums, boring B8, and the excavation area.

N
Not To Scale

Project Photographs
Focused Subsurface Investigation
3200 NE 45th Street
Seattle, Washington 98105

Date:	January 28, 2013
Completed By:	K. Allegretti
Reviewed By.:	S.Spencer
Version:	ECI-001
Project No.:	0453-04

Figure No.: 04
Sheet 01 of 01

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Attachment B

Analytical Summary Tables

Table 1 - Soil Sample Analytical Results
Table 2 - Groundwater Sample Analytical Restuls

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Table 1 - Soil Sample Results
Focused Subsurface Investigation
3200 NE 45th Street
Seattle, Washington

January 28, 2013

Sample ID	Date Collected	Sample depth (Feet bgs)	Hydrocarbons[c, d, e, f]			Select Volatile Organics[g]				Lead[h]
			Diesel Range Organics[c]	Oil Range Organics[e]	Gasoline[f]	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total Xylenes
			Sample Reported in mg/kg							
S17-South SW	1/24/2013	7.5	<50	<100	<10	<0.02	<0.05	<0.05	<0.15	--
S18-Floor	1/24/2013	8	<50	<100	<10	<0.02	<0.05	<0.05	<0.15	--
S18-Floor	1/24/2013	8	<50	<100	<10	<0.02	<0.05	<0.05	<0.15	--
S19-North SW	1/24/2013	7.5	<50	<100	<10	<0.02	<0.05	<0.05	<0.15	--
S20-East SW	1/24/2013	7.5	<50	<100	<10	<0.02	<0.05	<0.05	<0.15	--
S21-West SW	1/24/2013	6	<50	<100	<10	<0.02	<0.05	<0.05	<0.15	--
S22-Drum	1/24/2013	6	--	--	--	--	--	--	--	11
S22-Drum-Dup	1/24/2013	6	--	--	--	--	--	--	--	21
B6-S23-1'	1/24/2013	1	<50	<100	<10	<0.02	<0.05	<0.05	<0.15	--
B8-S24-5'	1/24/2013	5	<50	120	<10	<0.02	<0.05	<0.05	<0.15	--
B8-S25-9'	1/24/2013	9	<50	350	**47**	**0.23**	2.3	0.55	3.7	--
B8-S26-10'	1/24/2013	10	<50	<100	<10	<0.02	0.11	<0.05	0.18	--
B8-S26-10'-Dup	1/24/2013	10	<50	<100	--	--	--	--	--	--
Laboratory Method Reporting Limit (MRL):			50	100	10	0.02	0.05	0.05	0.15	5
Ecology's MTCA Method A Cleanup Levels*:			2000	2000	100/30**	0.03	7	6	9	250

*Washington State Department of Ecology's Model Toxics Control Act (MTCA) Method A Cleanup Levels for soil

(c) Diesel-Range organics analyzed using Method NWTPH-Dx Ext. (EPA 8015)

(d) Mid-Range motor oil analyzed using Method NWTPH-Dx Ext. (EPA 8015)

(e) Oil-Range organics analyzed using Method NWTPH-Dx Ext. (EPA 8015)

(f) Gasoline-Range organics analyzed using Method NWTPH-Gx (EPA 8015)

(g) Select Volatile Organic Compounds analysed using Method 8012B

(h) Total Lead Compounds analysed using Method 6020A/3050B

"-" Indicates that the sample was not analyzed for the indicated analysis

**- The cleanup level for gasoline changes if benzene is present

"Dup"- Duplicate Sample

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Table 2 - Groundwater Sample Results
Focused Subsurface Investigation
3200 NE 45th Street
Seattle, Washington

January 28, 2013

Sample ID	Date Collected	Sample depth (Feet bgs)	Hydrocarbons[c, d, e, f]			Select Volatile Organics[G]			
			Diesel Range Organics[c]	Oil Range Organics[e]	Gasoline[f]	Benzene	Toluene	Ethylbenzene	Total Xylenes
			Sample Reported in µg/L						
B8-W8	1/24/2013	5.5'	<200	<400	**160,000**	**11,000**	**54,000**	**5,400**	**32,000**
B8:W8-Dup	1/24/2013	5.5'	<200	<400	**99,000**	**10,000**	**47,000**	**3,900**	**27,000**
Laboratory Method Reporting Limit (MRL):			250	500	100	1	1	1	3
Ecology's MTCA Method A Cleanup Levels*:			500	500	1000/800**	5	1000	700	1000

*Washington State Department of Ecology's Model Toxics Control Act (MTCA) Method A Cleanup Levels for ground water Table 140

(c) Diesel-Range organics analyzed using Method NWTPH-Dx Ext. (EPA 8015)

(d) Mid-Range motor oil analyzed using Method NWTPH-Dx Ext. (EPA 8015)

*Washington State Department of Ecology's Model Toxics Control Act (MTCA) Method A Cleanup Levels for soil

(f) Gasoline-Range organics analyzed using Method NWTPH-Gx (EPA 8015)

(G) Select Volatile Organic Compounds analysed using Method 8012B

"-" Indicates that the sample was not analyzed for the indicated analysis

**- The cleanup level for gasoline changes if benzene is present

"Dup"- Duplicate Sample

Attachment C

Boring Logs

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Boring No.:	**B6**	Sheet:	**1**	of	**1**	
Location:	**3200 NE 45th Street, Seattle, Wa**					
Date: **January 24, 2013**	Client:	**Laurelhurst Corp**				
Drilling Type:	**Core / Macro Sampler (Geoprobe)**		Water Level:	**N/A**		
Well Screen Size: **NA**	Surface Conditions:	**Tile/ Concrete**	Surface Elevation:	~45' ASL		
Longitude:	47°39'41.26"N	Time:	Start	Finish		
Latitude:	122°17'31.62"W		8:30	10:00		
Comments:	**Driller used 2' sampler w/ liners**					

Inches Driven	Inches Recovered	Sample Number	Sample Depth	Field Reading	Depth to Water	Boring Depth (in.)	Soil Description
						0	0-1": Concrete.
						1	1-2": Gravel debris
						2	2-12": Dry brown to grey sorted sand with small gravel.
						3	
						4	
						5	
						6	
						7	
						8	
						9	
						10	
						11	
		B6-S23				12	Refusal
						13	
						14	
						15	
						16	
						17	

ECI environmental services www.ecocononline.com	Boring No.:	B7	Sheet:	1	of	1
	Location:	3200 NE 45th Street, Seattle, Wa				
Date: January 24, 2013	Client:	Laurelhurst Corp				
Drilling Type: Core / Macro Sampler (Geoprobe)			Water Level:	N/A		
Well Screen Size: NA	Surface Conditions:	Tile/ Concrete	Surface Elevation:	~45' ASL		
	Longitude:	47°39'41.14"N	Time:	Start	Finish	
	Latitude:	122°17'31.44"W		9:05	9:30	
	Comments:	Driller uses 2' sampler w/ liners				

Inches Driven	Inches Recovered	Sample Number	Sample Depth	Field Reading	Depth to Water	Boring Depth (in.)	Soil Description
						0	
							0-1": Concrete
						1	
							Refusal
						2	
						3	
						4	
						5	
						6	
						7	
						8	
						9	
						10	
						11	
						12	
						13	
						14	
						15	
						16	
						17	

ECI environmental services www.ecocononline.com	Boring No.:	B8	Sheet:	1	of	1
	Location:	3200 NE 45th Street, Seattle, Wa				
Date: January 24, 2013	Client:	Laurelhurst Corp				
Drilling Type: Core / Macro Sampler (Geoprobe)			Water Level:	5'bgs		
Well Screen Size: NA	Surface Conditions:	Asphalt	Surface Elevation:	~45' ASL		
	Longitude:	47°39'41.16"N	Time:	Start	Finish	
	Latitude:	122°17'31.81"W		10:45	11:15	
	Comments:	Driller used 5' sampler w/ liners				

Feet Driven	Feet Recovered	Sample Number	Sample Depth	Field Reading	Depth to Water	Boring Depth (Ft.)	Soil Description
						0	0-6": Asphalt and gravel
						1	6"-4': Light brown/ grey, well sorted sands with gravel, with decreasing gravel quantity with depth. Some organic and brick debris around 3.5'.
						2	
						3	
						4	4'-5': Moist brown to grey fine sands with no gravel.
		B8-S24				5	
		B8-W8		ODOR			5'-8.5': Wet grey to brown sands and brick debris, and some gravel.
						6	
						7	
						8	8.5'-9': Moist grey to brown medium grained well sorted sand with some gravel
		B8-S25				9	9'-9.5': Moist dark brown/ grey coarse sands/ fine gravels
		B8-S26				10	9.5'-10': Slighlty moist grey to brown medium grained well sorted sand with some gravel
						11	
						12	
						13	
						14	
						15	
						16	
						17	

Attachment 5

Laboratory Analytical Results

Attachment 5
Laboratory Analytical Results

ESN NORTHWEST, INC. | Environmental Services Network

CHAIN-OF-CUSTODY RECORD

CLIENT: Eco Con, Inc.

ADDRESS: P.O. Box 153, Fox Island, WA 98333

PHONE: 503) 459-1058 FAX: 253) 369-6228

CLIENT PROJECT #: 0453-04 PROJECT MANAGER: K. Allegretti

DATE: 1/24/13 PAGE 1 OF

PROJECT NAME: Remediation & FSI-II

LOCATION: 3200 NE 45th St., Seattle

COLLECTOR: A. Flink & K. Allegretti DATE OF COLLECTION 1/24/13

Sample Number	Depth	Time	Sample Type	Container Type	TPH-HCID	TPH - Diesel & Oil	TPH - Gasoline	BTEX	VOC 8260CL	VOC 8260	SemiVol 8270	PAH's 8270	PCB's 8082	CL Pesticides 8081	RCRA 8 Metals	MTCA 5 Metals	Pb	Asbestos-PLM	GRO Suite	DRO Suite	WO Suite	NOTES	Total Number of Containers	Laboratory Note Number
1. S17 -7.5'	7.5'	9:10	Soil	4oz / 2 VOA	X	X	X															South Side Wall		
2. S18 -8'	8'	9:25																				Floor		
3. S19 -7.5'	7.5	9:30																				North Side Wall		
4. S20 -7.5'	7.5	9:35																				East Side Wall		
5. S21 -6'	6'	9:55																				West Side Wall		
6. S22-6'	6'	9:15															X					Drum Sample @ center of exc.		
7. B6 S23-1'	1'	9:55			X	X	X																	
8. B8-S24-5'	5'	11:10																				H_2O Level		
9. B8-S25-9'	9'	11:12																				Mid-Level		
10. B8-S26-10'	10'	11:15																				Bottom of Boring		
11. B8-W8	5.5'	11:20	Water	1L, 2 VOA & 1 Poly																		Hold Poly for time being		
12.																								
13.																								
14.																								
15.																								
16.																								
17.																								
18.																								

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Kathleen Allegretti	1/24/13 12:00pm	[signature]	1-29-13 1200
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ ESN DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

Turn Around Time: 24 HR 48 HR 5 DAY

ESN NORTHWEST CHEMISTRY LABORATORY

EcoCon, Inc
REMEDIATION & FSI-II PROJECT
Project # 0453-04
Seattle, Washington

ESN Northwest
1210 Eastside Street SE Suite 200
Olympia, WA 98501
(360) 459-4670 (360) 459-3432 Fax
lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	1/24/2013	1/25/2013	95	nd	nd
LCS	1/24/2013	1/25/2013	133	98%	---
S17-7.5'	1/24/2013	1/25/2013	98	nd	nd
S18-8'	1/24/2013	1/25/2013	95	nd	nd
S19-7.5'	1/24/2013	1/25/2013	99	nd	nd
S20-7.5'	1/24/2013	1/25/2013	94	nd	nd
S21-6'	1/24/2013	1/25/2013	99	nd	nd
B6-S23-1'	1/24/2013	1/25/2013	98	nd	nd
B8-S24-5'	1/24/2013	1/25/2013	95	nd	**120**
B8-S25-9'	1/24/2013	1/25/2013	89	nd	**350**
B8-S26-10'	1/24/2013	1/25/2013	100	nd	nd
B8-S26-10' Duplicate	1/24/2013	1/25/2013	99	nd	nd
Reporting Limits				50	100

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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EcoCon, Inc
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lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Water by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (ug/L)	Lube Oil Range Organics (ug/L)
Method Blank	1/24/2013	1/25/2013	82	nd	nd
LCS	1/24/2013	1/25/2013	72	86%	---
B8-W8	1/24/2013	1/25/2013	103	nd	nd
Reporting Limits				250	500

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

EcoCon, Inc
REMEDIATION & FSI-II PROJECT
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(360) 459-4670 (360) 459-3432 Fax
lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260C/5035A

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	106
LCS	1/24/2013	1/25/2013	90%	97%	103%	92%	100%	101
LCSD	1/24/2013	1/25/2013	89%	99%	102%	98%	---	102
S17-7.5'	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	111
S18-8'	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	107
S18-8' Duplicate	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	109
S19-7.5'	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	106
S20-7.5'	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	107
S21-6'	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	106
B6-S23-1'	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	107
B8-S24-5'	1/24/2013	1/25/2013	nd	nd	nd	nd	nd	108
B8-S25-9'	1/24/2013	1/25/2013	**0.23**	**2.3**	**0.55**	**3.7**	**47**	110
B8-S26-10'	1/24/2013	1/25/2013	nd	**0.11**	nd	**0.18**	nd	107
Reporting Limits			0.02	0.05	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE & LCS: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

EcoCon, Inc
REMEDIATION & FSI-II PROJECT
Project # 0453-04
Seattle, Washington

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(360) 459-4670 (360) 459-3432 Fax
lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Water by Method NWTPH-Gx/8260C/5030C

Sample Number	Date Analyzed	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Gasoline Range Organics (ug/L)	Surrogate Recovery (%)
Method Blank	1/24/2013	nd	nd	nd	nd	nd	111
LCS	1/24/2013	118%	100%	109%	102%	99%	111
LCSD	1/24/2013	112%	97%	103%	96%	---	114
B8-W8	1/24/2013	**11,000**	**54,000**	**5400**	**32,000**	**160,000**	110
B8-W8 Duplicate	1/24/2013	**10,000**	**47,000**	**3900**	**27,000**	**99,000**	110
Trip Blank	1/24/2013	nd	nd	nd	nd	nd	110
Reporting Limits		1.0	1.0	1.0	3.0	100	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE & LCS: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

EcoCon, Inc
REMEDIATION & FSI-II PROJECT
Project # 0453-04
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Analysis of Total Lead in Soil by Method 6020A/3050B

Sample Number	Date Prepared	Date Analyzed	Lead (Pb) (mg/kg)
Method Blank	1/24/2013	1/24/2013	nd
S22-6'	1/24/2013	1/24/2013	**11**
S22-6' Duplicate	1/24/2013	1/24/2013	**21**
Reporting Limit			5.0

"nd" Indicates not detected at listed detection limits.

ESN NORTHWEST CHEMISTRY LABORATORY

EcoCon, Inc
REMEDIATION & FSI-II PROJECT
Project # 0453-04
Seattle, Washington

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Olympia, WA 98501
(360) 459-4670 (360) 459-3432 Fax
lab@esnnw.com

QA/QC Data - Analysis of Total Metals in Soil by Method 6020A/3050B

Sample Number: S22-6'

	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Lead (Pb)	90.5	102	113	89.3	88.5	99.1	13.12

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead (Pb)	100	98.4	98.4

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120%
ACCEPTABLE RPD IS 35%

Attachment E

Professional Qualifications

Attachment E
Professional Qualifications

EcoCon, Inc. (ECI) is an environmental services company specializing in consulting and specialty contracting for clients throughout the western United States since 2002. We recognize the importance of blending a variety of expertise and experience in order to provide our clients the most effective support in addressing their specific project needs. Our professionals combine a high level of technical ability with a broad understanding of the overall regulatory compliance requirements.

ECI is obligated to maintain a broad understanding of the most current regulatory compliance requirements, local and state permitting requirements and our regions environmental advocacy group's positions. ECI provides our clients the services they require by offering non-biased, practical, realistic solutions while maintaining positive relations with the regulatory community.

Our associates have completed projects including remedial investigation / feasibility studies (RI/FS), remediation design and management, facility regulatory compliance assessments, due diligence assessments, regulatory compliance training, underground storage tank compliance and hazardous materials management as well as many other environmental compliance related matters for clients throughout the west coast in all avenues of business. The varied background of our associates compliments the diverse nature of our clientele, providing better understanding of our client's needs and ultimate goals for their projects.

The information in the following pages outlines our professional experience and capabilities in providing environmental management and consulting services. We appreciate your interest in ECI. At your convenience, please feel free to contact our office should you have any questions regarding this document or for any other reason.

Sincerely,
ECI | Environmental Consulting

Stephen M. Spencer
President

Company Licenses & Insurance

EcoCon, Inc. (ECI) is a Washington State licensed corporation. ECI maintains $2,000,000 in general liability, professional liability (E&O) and pollution liability insurance (Insurance Certificate Attached).

Washington State Contractors License Number: ECOCOI*894K3
Washington State UBI Number: 603-088-538
Federal Tax ID Number: 90-0661144

Stephen M. Spencer
President | Principal Environmental Scientist

- AAI Qualified Environmental Professional
- Certified Washington State Site Assessor
- Certified Underground Storage Tank Decommissioner
- OSHA Hazardous Materials & Emergency Response Supervisor
- AHERA Licensed Building Inspector

Mr. Spencer started his career working for the SRH Group in Portland as an environmental technician while attending college at Portland State University. Mr. Spencer left SRH in 1991 to start a small environmental services company with his father, John Spencer, the former Environmental Protection Agency Regional Administrator (Region 10 - 1980 to 1983). The new company, Creative Environmental Technologies (CETI), operated as a small consulting and contracting company from 1991 to 2001 when it was sold. Mr. Spencer continued his career from 2001 to 2002 working as a senior environmental scientist and project manager following the sale of CETI. In the fall of 2002 he resigned to start a new company, EcoCon, Inc. (ECI). His focus was on assisting smaller business that could not afford the larger environmental professional consulting fees, providing his clientele a more practical approach to regulatory compliance.

During his 25 year career, he has worked on and successfully completed projects in many varied aspects of the environmental industry for clients throughout the western United States. His forte is in facility assessment, due diligence investigation, health & safety program development, remediation management and general environmental regulatory compliance.

Mr. Spencer has established positive working relationships with regulatory agencies throughout the western United States, affording his clients a superior level of confidence in his approach to their specific project. His skills as a project manager frequently result in significant savings in both time and budget to his clients. He is adept in report writing providing a clear, concise detail of project activities. His client's have ranged from property owners and facility operators to the regulatory agencies. Mr. Spencer's overall understanding of environmental compliance requirements and mentoring by his father, an environmental attorney, provides a unique perspective on assessing potential and realized environmental risk and a creative understanding of remediation technique.

Thomas W. Smith, B.S. Environmental Science
Sr. Environmental Scientist / Project Manager

- Washington State Site Assessor
- UST Decommissioning Supervisor
- 80 HR OSHA Hazardous Materials & Emergency Response Certified
- AHERA Licensed Building Inspector
- Registered Environmental Assessor (REA I) State of California
- OSHA Hazardous Materials & Emergency Response Supervisor
- US Army Corp of Engineers Wetland Delineation Certification

Mr. Smith has over 15 years of professional experience and a strong background in environmental investigations, remediation projects, regulatory compliance, and emergency spill response actions. Mr. Smith has provided expertise to numerous industrial, commercial, and governmental clients in Washington, Oregon, Idaho, and, Montana.

Mr. Smith's environmental career began with an intern position for the Washington Department of Ecology working in the storm water unit then moved on to staff and senior environmental positions with two local environmental consulting firms. Mr. Smith has experience in conducting and managing Phase I and Phase II Environmental Site Assessments, soil and groundwater remediation projects, underground storage tank assessment and decommissioning projects, environmental compliance audits, and hazardous material surveys. Additionally, Mr. Smith has gained experience in managing emergency spill response actions for private and governmental clients. Mr. Smith's position with ECI as a Project Manager / Senior Environmental Scientist provides a vast knowledge base to ECI clients in multiple areas of environmental science and emergency spill response activities.

James D. Coppernoll, L.G. / L.HG (Sub-Consultant)
Licensed Geologist / Hydrogeologist

- AAI Qualified Environmental Professional
- Washington State Licensed Geologist and Hydrogeologist
- OSHA Hazardous Materials & Emergency Response Supervisor
- Certified Washington State Site Assessor
- Certified Underground Storage Tank Decommissioner

James D. Coppernoll is a Washington State licensed Geologist and Hydrogeologist with thirteen years of experience practicing environmental geology in the Northwest. During his career, Mr. Coppernoll worked with clients ranging from major oil companies and national corporations to local businesses to identify, manage, and resolve their environmental situations and helped local agencies, businesses, and individuals with their environmental, geological, and regulatory issues.

Mr. Coppernoll has conducted various environmental and geological investigations ranging from numerous Phase I Environmental Assessments to contaminated site investigations and remedial planning and implementation as well as land use and development studies in Washington, Oregon, Idaho, Montana, and Alaska, and has frequently acted as a regulatory liaison and client representative in third-party negotiations.

Mr. Coppernoll managed all phases of assessment and remediation at dozens of retail and bulk fuel facilities for major oil companies in the Northwest including: excavation and disposal of contaminated soil; free product recovery; feasibility studies; and design, installation, and operation/maintenance of in-situ soil and ground water remediation systems. Mr. Coppernoll managed many of these sites from initial assessment through remediation and closure with the state.

Mr. Coppernoll has conducted geological investigations and assessments for diverse property development projects in the northwest including landfills, hot springs, and residential properties. The purpose of these assessments and investigations was to provide professional and reliable information for use in developing sensitive areas properties.

Gina Mulderig, B.S. Chemistry
Environmental Scientist / Chemist

- AAI Qualified Environmental Professional
- Certified Washington State Site Assessor
- Certified Underground Storage Tank Decommissioner
- AHERA Licensed Building Inspector
- Certified Erosion and Sediment Control Lead
- OSHA Hazardous Materials & Emergency Response Certified

Ms. Mulderig received her Bachelors degree in Chemistry from the University of Puget Sound in 1979. Ms. Mulderig has been working in the environmental regulatory compliance field since 1985, starting her career with a position as an environmental analyst for Weyerhaeuser Company. Her fifteen year position at Weyerhaeuser required a thorough knowledge of environmental regulatory compliance, focusing on groundwater monitoring, waste water management, storm water management and facility compliance audits.

Ms. Mulderig worked with two local environmental services / consulting firms from 2000 until 2007, greatly increasing her overall regulatory compliance, hydrogeology and environmental engineering knowledge and experience.

Her position with ECI as a Project Manager / Environmental Scientist provides a vast knowledge base to ECI clients in multiple areas of regulatory compliance and environmental science.

Collette Foley, B.S. Geology
Environmental Scientist / Geologist

- AAI Qualified Environmental Professional
- Certified Washington State Site Assessor
- Certified Underground Storage Tank Decommissioner
- AHERA Licensed Building Inspector
- OSHA Compliance Supervisor
- OSHA Hazardous Materials & Emergency Response Certified

Ms. Foley has been conducting Phase I and II Environmental Site Assessments of commercial, industrial, multi- and single-family residential properties throughout western Washington since 2004. Ms. Foley performs a variety of activities associated with completing due diligence investigations including, but not limited to current and historical site research, regulatory agency file reviews, and subsurface investigations including drilling soil borings and installing monitoring wells to determine the presence and outcome of contamination in soil and groundwater.

Additionally, Ms. Foley completes asbestos “Good Faith” surveys prior to demolition or renovation of buildings; conducts project oversight for UST removals; and provides extensive environmental consulting as requested. Ms. Foley received her Bachelors degree in Geology and Environmental Science in 2003 from Pacific Lutheran University and has over two years experience as a field geologist / hydrogeologist performing regional hydrogeologic characterization and production well drilling.

Alexander J. Flink, B.S. Environmental Science
Environmental Scientist/Geologist

- AAI Qualified Environmental Professional
- CTED Lead Risk Assessor
- OSHA certified-80 hour HAZOWOPER
- Certified Nuke Gauge
- Washington State Certified Erosion and Sediment Control Lead (CESCL)
- WISHA Certified Adult CPR
- TDI Certified Deep Water Diver, Certified Nitrox Diver

Mr. Flink has over 13 years of professional experience in the environmental field conducting investigations and surveys from salmon habitat to site remediation. Mr. Flink has worked as field

technician, lab technician, environmental scientist, geologist and industrial hygienist. He has extensive experience operating drill rigs and limited access drill rigs for soil boring extractions including Macro-core, SPT, D&M, Dual Tube, soil vapors, water samples, in-situ bioremediation injections, as well as installing and abandoning water monitoring wells and sparge points.

He has extensive experience using photoionization detectors measuring volatile organic compounds in soil, obtaining water samples using low-flow and air gap methodology with peristaltic pumps, wale pumps, and bladder pumps identifying areas of contaminants and/or geostructural concerns, maintaining various remediation and extraction systems, nuke gauge testing for soil density, construction monitoring, construction observation, and erosion control.
Mr. Flink is a Washington and Oregon certified lead-based paint Risk Assessor. He has interviewed property owners and investigated potential lead hazards using X-Ray Fluorescence Technology for abatement and/or renovations for workers, supervisors, and owners in both governmental and private sectors maintaining and enforcing the DOE, OSHA, and EPA protocols.

Mr. Flink is an AHERA Asbestos Inspector investigating building use and potential asbestos hazard exposures to occupants for abatement and/or renovation practices for workers, supervisors, occupants and owners.

Mr. Flink has much experience conducting indoor air quality surveys (IAQ) for corporate and private sectors testing for mold, air born lead particulate and/or asbestos fibers, carbon dioxide, carbon monoxide, air temperature, relative air humidity, air velocity, and air flow.
Mr. Flink is a Certified Erosion and Sediment Control Lead (CESCL) implementing control measures for sustaining stable soil conditions, clean waterways, and engineering controls for said measures. He also tests and reports conditions for storm water, surface water, subsurface water (groundwater) for particulate, organic, and or inorganic constituents.

Kaitlyn Allegretti, B.S. Geology
Environmental Scientist / Technician

- AAI Qualified Environmental Professional
- Certified Washington State Site Assessor
- Certified Underground Storage Tank Decommissioner
- OSHA Hazardous Materials & Emergency Response Certified
- AHERA Licensed Building Inspector

Ms. Allegretti serves as a site manager and field technical for ECI. She graduated from the University of Dayton (2005) with a Bachelor's degree in Geology. Ms. Allegretti's primary responsibilities are field work including monitoring well sampling, underground storage tank closure and decommissioning and asbestos inspections. During her five years with ECI, Ms. Allegretti has completed in excess of fifty Phase I Environmental Site Assessments and in excess of 20 commercial underground storage tank closure projects.

James E. Corcoran, P.E. (Sub-Consultant)
Sr. Project Manager / Sr. Project Engineer - Principal, Summit Design Group, LLC

- Bachelor of Science - Civil Engineering - Oregon State University - 1991
- Washington State Registered Professional Engineer – 1999
- OSHA Hazardous Materials & Emergency Response Certified

Mr. Corcoran has 17 years of experience in Civil Engineering and Project Management. For the past three years, Mr. Corcoran has been the principal of a consulting business that provides civil engineering consulting and site development services including:

- Critical Areas Review
- FEMA floodplain study
- State Environmental Policy Act (SEPA) checklist
- Stormwater Pollution Prevention Plans (SWPPP)
- Spill Prevention, Control, and Countermeasure (SPCC) plans
- Temporary Erosion/Sediment Control (TESC) plans
- Permanent soil stabilization and precise grading plans
- Surface water collection, detention, retention, treatment, and infiltration design
- Construction coordination with utility purveyors
- Site inspection to verify conformance with design intent and contract documents

Mr. Corcoran has provided civil engineering consulting and stormwater management on residential, commercial, and industrial development projects in multiple Washington state jurisdictions including the City of Tacoma, the City of Lacey, the City of Kent, Pierce County, and King County. Specific projects that Mr. Corcoran provided engineering service include:

Preparing a TESC plan, SPCC plan, and surface water drainage collection and treatment system for a proposed petroleum products recycling process facility which discharges to a municipal storm sewer located in the Port of Tacoma Preparing a SEPA checklist, TESC plan, SPCC plan and surface water drainage collection and treatment system for a proposed privately owned fueling facility, which drains to an environmentally sensitive wetland in the City of Kent.

Preparing a TESC plan, and permanent surface water drainage retention and treatment system, which infiltrates to site soils underlying a proposed commercial retail center in Pierce County.

Preparing a TESC plan and permanent surface water drainage collection and treatment system which discharges to a municipal storm sewer in the City of Tacoma.

Preparing a TESC plan and permanent surface water drainage collection, detention and treatment system for a proposed supermarket and commercial retail center located on the Key Peninsula.

ECOCO-2 OP ID: CL

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/30/12

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Century Insurance Services LLC
3208 50th St Ct NW, Suite C104
Gig Harbor, WA 98335
Susie K Nelson
Phone: 253-851-9600
Fax: 253-851-9601

CONTACT NAME:
PHONE (A/C, No, Ext):
FAX (A/C, No):
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Endurance American Specialty	
INSURER B : Mutual of Enumclaw	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Ecocon, Inc
PO Box 153
Fox Island, WA 98335

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Employers Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC			ECC101013228-01	09/26/12	09/26/13	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $	2,000,000 50,000 5,000 2,000,000 2,000,000 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			CPP001215300	10/01/12	10/01/13	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $	1,000,000
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $	
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		ECC101013228-01	09/26/12	09/26/13	WC STATU-TORY LIMITS X OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $	1,000,000 1,000,000 1,000,000
A	Professional Liab			ECC101013228-01	09/26/12	09/26/13	Ea Claim Aggregate		2,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

EVIDENC

INFORMATIONAL PURPOSE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE