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July 11, 2005
File No.: 56130

Mr. Don Mellott
Director of Civil Engineering
BCRA
2106 Pacific Avenue, Suite 300
Tacoma, WA 98402

SUBJECT: Reliance Letter
Limited Phase II Environmental Site Assessment Report
Proposed Retail Site (No. 4265-00)
2119 Mildred Street West
Fircrest, Washington

Dear Mr. Mellott:

Per your request, Kleinfelder, Inc. (Kleinfelder) is pleased to provide this reliance letter to Wal-Mart Stores, Inc. (Wal-Mart) for the June 24, 2005 Limited Phase II Environmental Site Assessment (ESA) report prepared by Kleinfelder, Inc. for the above-referenced project. The report was prepared under contract between BCRA and Kleinfelder.

The following report may be relied upon by Wal-Mart, however, by accepting, Wal-Mart agrees that any use or reliance it places on the report shall be limited to the qualifications and limitations stated within the report and to the Terms and Conditions of the applicable project specific subconsultant agreement between Kleinfelder and BCRA:

- Limited Phase II Environmental Site Assessment, Proposed Retail Site (No. 4265-00), 2119 Mildred Street West, Fircrest, Washington. Kleinfelder Project No. 56130, dated June 24, 2005.

Wal-Mart shall also acknowledge that actual site conditions may change with time; that hidden conditions, not discoverable within the scope of the project, may exist at the site; and that the scope of the investigation was limited by time, budget and other constraints outlined in the report. Regardless of the findings of Kleinfelder's assessment, Kleinfelder makes no warranty that the site is free from existing or threatened pollution and Kleinfelder is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the project was conducted.

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In the preparation of the report and in the assembling of data and information related thereto, Kleinfelder represents to Wal-Mart that it has used the degree of care and skill ordinarily exercised by geotechnical and environmental consultants. No other warranties, expressed or implied, are made.

Kleinfelder appreciates the opportunity to be of service to you in this matter. Please do not hesitate to contact us at (425) 562-4200 or John Mancini, Kleinfelder's Client Service Manager for BCRA at (801) 261-3336, if you have any questions or require further information.

Sincerely,

KLEINFELDER, INC.

for Joel Carson, Senior Associate
Washington Area Manager

cc: John Mancini, Kleinfelder, Salt Lake City, UT

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June 24, 2005
Kleinfelder Project No.: 56130

Mr. Don Mellott, P.E.
Director of Civil Engineering
BCRA
2106 Pacific Avenue, Suite 300
Tacoma, WA 98402

Subject: **Limited Phase II Environmental Site Assessment**
Proposed Retail Site (No. 4265-00)
2119 Mildred Street West
Fircrest, Washington

Dear Mr. Mellott:

This letter presents the results of our Limited Phase II Environmental Site Assessment (ESA) performed at the above-referenced property located in Fircrest, Washington (see attached Figures 1 and 2). This limited investigation was performed to assess the potential presence of shallow soil and groundwater contamination from past site operations.

Our site assessment included collecting 29 discreet soil samples from 20 borings advanced along the northwest, central, and eastern portions of the property (see Figure 2 for boring locations). Three perched water samples were also collected from three soil borings completed along the central portion of the site. Following soil and perched water sampling activities, groundwater monitoring wells were installed within five soil borings completed along the eastern end of the site (see Figure 2 for monitoring well locations). Once the wells were installed and developed, one water sample was collected from each of the monitoring wells. Soil and water samples collected during this assessment were analyzed at a State Certified laboratory for the presence of volatile organic compounds (VOCs), total and dissolved metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), and total petroleum hydrocarbons (TPH as gasoline, diesel, and heavy oil).

In summary, the analytical results of the shallow soil and water samples indicate that the concentrations of TPH (as heavy oil) in three soil samples collected at the site and one VOC constituent (tetrachloroethene (PCE)) in two soil samples collected at the site exceeded Washington Department of Ecology's Model Toxics Control Act (MTCA) Method A soil

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cleanup levels. Isopropyltoluene, lead, chromium, and arsenic were also detected in several soil samples collected at the site, but not at concentrations exceeding MTCA Method A soil cleanup levels. Dissolved metals (arsenic, barium, chromium, and selenium) and one VOC constituent (acetone) were detected in some or all of the shallow groundwater samples collected at the site, but only the arsenic concentrations from two groundwater samples collected at the site exceeded the MTCA Method A groundwater cleanup level for arsenic. No other VOCs or TPH (as gasoline, diesel, and heavy oil) were detected above the laboratory reporting limits in shallow groundwater samples collected from the site. Analytical results are summarized in Tables 3 through 8 (see attached).

PREVIOUS SITE INVESTIGATION

A Phase I Environmental Site Assessment (ESA) report completed for the subject site (Kleinfelder, May 25, 2005) indicated that the northwest portion of the property is developed with a large industrial building and two smaller detached structures (a spray painting shed and a paint storage shed). The remainder of the property is undeveloped and was previously used as a depository for fill material. The industrial building and sheds are unoccupied and were observed storing the site owner's personal property, as well as an assortment of equipment, tools, machinery, and supplies that were formerly used in conjunction with the manufacturing of marine automatic pilots when the site was occupied by Metal Marine Pilot, Inc. Reportedly, Metal Marine Pilot had occupied the site from 1959 and ceased operations sometime during 2000. Hazardous materials used by Metal Marine Pilot in conjunction with their site operations included detergents, kerosene, paints, thinners, varnishes, stains, acids, glues, alcohols, aluminum coatings, hydraulic oil, and an assortment of cleaning solvents (PCE, methyl ethyl ketone, etc.).

Hazardous wastes formerly generated at the site included spent solvents, scrap metal, and sludge mixtures derived from washing and cleaning marine automatic pilot parts. During the course of Metal Marine Pilot's use at the site (1959 to 2000), there were several instances where hazardous materials were reportedly discharged or buried along the central and eastern portions of the site. There were also records indicating that four underground storage tanks (USTs) were removed and PCE impacted soil located in the central portion of the site was remediated during the late 1990s.

Kleinfelder's Phase I ESA report concluded that a recognized environmental condition was found to exist at the subject property. In summary, the site has had a long history of industrial use, which included the use and reported disposal of hazardous materials on the property.

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Previous environmental investigation and remediation reports completed for the site indicated that some of the past environmental issues were successfully addressed at the site. However, some areas were not adequately addressed (see Section 6.2 in the Phase I ESA report for details).

Recommendations contained in the Phase I ESA report included performing a limited subsurface investigation at the site to address the potential presence of shallow soil and groundwater contamination from Metal Marine Pilot's use of the property. Analytical results generated during the limited subsurface investigation could then be evaluated as to whether (or not) a more extensive investigation (i.e. the collection of additional soil and/or groundwater samples) should be performed at the site.

SOIL LITHOLOGY AND DEPTH TO GROUNDWATER

The near surface geology at the site consists of glacial till, which includes medium dense to very dense silty sand with some fine to coarse gravel. The glacial till extends to at least 40 feet below ground surface (bgs).

Fill material overlies the glacial till on most of the property east of the buildings. The depth of fill reported ranges between 1 to 25 feet bgs and consists of loose to medium dense silty sand, concrete rubble, and vegetation debris.

Perched water encountered at the site ranged in depths from approximately 16.6 to 19.6 feet bgs. Based on the subsurface drilling performed during this assessment and based on the results of Kleinfelder's geotechnical investigation of the site, it appears that perched water at the site is intermittent. The thickness of perched water is also variable. Of the five wells installed at the site during the course of this investigation, one well was dry (MW-67) and another had eight feet of water standing in the casing at the time of sampling (see Table 2 attached).

FIELD ACTIVITIES

Field activities involved with completing this Limited Phase II ESA were performed during May and June 2005. The field activities included collecting soil samples from 20 borings completed along the northwest, central, and eastern portions of the site. Perched groundwater samples were collected from three of the borings advanced along the central portion of the property. Field activities also included the installation of five temporary perched groundwater monitoring wells and the collection of water samples from each of the wells.

Drilling and Soil Sampling Activities

Between May 26 and May 31, 2005, twenty soil borings (B-58 through B-77) were completed along the northwest, central, and eastern portions of the site using a tuck-mounted drill rig supplied and operated by Boart Longyear/Holt Drilling, Inc. Five of the 20 borings (B-72 through B-76) were completed inside the main industrial building located along the northwest end of the property. Borings B-72 through B-76 were drilled using a small portable Taskmaster drill rig. Boring locations are depicted on Figure 2.

Soil borings advanced along the central and eastern portions of the site (outside of the industrial building) ranged in depths of approximately 6 to 24 feet bgs. Soil borings advanced within the industrial building ranged in depths of approximately 1.5 to 6 feet bgs. Soil samples for logging purposes were collected from each boring at a minimum depth interval of every 2.5 feet using a PVC sampling sleeve. Soil samples collected during this investigation were visually inspected for signs of chemical staining and field screened using a photoionization detector (PID). Soil samples were described using the Unified Soil Classification System (USCS). Prior to arrival at the site and between boring locations, the drilling equipment was cleaned using a steam cleaner.

Up to two soil samples per boring were selected for laboratory analysis based on field screening results. Perched water samples collected from borings B-59, B-63, and B-65 were also selected for laboratory analysis. Table 1 (attached) lists the soil and perched water samples collected during this Limited Phase II ESA investigation.

Nitrile type gloves were worn during sampling activities at each boring location. All soil samples selected for TPH and total metals analysis were transferred in the field from the sampling sleeves into four-ounce glass jars supplied by the laboratory. Soil samples selected to be analyzed for VOCs were collected directly from the sampling sleeves using plastic syringes in accordance with EPA's soil sampling method 5035A. A new syringe was used for every soil sample collected. Perched water samples collected from the bottoms of borings B-59, B-63, and B-65 were transferred into plastic and glass containers supplied by the laboratory using a peristaltic pump.

The jars containing the soil and perched water samples were sealed, labeled, and stored on ice in a cooler (and in a refrigerator) until delivery to the laboratory. The samples were delivered to ESN Northwest, a State Certified laboratory in Bellevue, Washington, to be analyzed for one or more of the following:

- VOCs, including gasoline components: benzene, toluene, ethylbenzene, and xylenes (BTEX) using procedures based on U.S. Environmental Protection Agency's (EPA's) Method 8260.

- TPH (as gasoline), by Ecology Method NWTPH-Gx.

- TPH (as diesel and heavy oil), by Ecology Method NWTPH-Dx.

- Total (soil) and dissolved (water) metals (eight priority pollutant metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), by EPA 6000 and 7000 Series Methods.

Monitoring Well Installation

After completing the borings and collecting the soil and perched water samples, temporary groundwater monitoring wells were installed immediately adjacent to boreholes B-66, B-67, B-68, B-69, and B-70 on May 29, 2005 (Figure 2). The monitoring wells were installed in accordance with Washington Administrative Code (WAC) 173-160 Minimum Standards for Construction and Maintenance of Wells.

The monitoring wells were constructed of 0.75-inch diameter, flush-thread Schedule 40 PVC casing and 5 feet of pre-packed 0.010-inch slot well screens manufactured by GeoInsights. The well screen for MW-66 was installed at approximately 15.6 to 20.5 feet bgs. The well screens for MW-67 and MW-68 were installed at approximately 19.3 to 24.3 feet bgs. The well screens for MW-69 and MW-70 were installed at approximately 20.0 to 25.0 feet bgs. The base of each well screen was sealed with a flush PVC bottom screw cap. A filter pack consisting of silica sand was placed around the wells to a depth of approximately ten feet below the ground surface. The annular space above the filter pack was sealed with approximately 10 feet of bentonite granules. A plastic end cap was placed on top of the PVC well casings and a protective flush-mount steel well cover was installed and sealed over the wells at ground surface.

The boring logs and well completion details are included as an attachment to this report.

Monitoring Well Development

On May 31, 2005, the monitoring wells were developed by Kleinfelder by pumping the wells with a peristaltic pump until dry, except in the case of monitoring well MW-70, which was pumped until the water became clear.

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Survey of Monitoring Well Locations and Elevations

On June 14, 2005, the monitoring wells were surveyed by Sitts & Hill Engineers. The basis of bearing for the survey was the Washington State Plane coordinate system, South zone, NAD 83/91 US foot, with a vertical datum of NGVD 29. The vertical, horizontal and ground surface survey controls of the well casings were measured to the nearest one-hundredth of a foot (0.01).

The well elevations, depth to water, and perched water elevations are summarized in Table 2. Perched water elevations varied depending on the quantity of water encountered within each of the wells. Although the perched water gradient could not be accurately calculated, the inferred groundwater flow direction is estimated to be towards the east and southeast, generally following surface topography.

Groundwater Sampling

On June 1, 2005, Kleinfelder collected groundwater samples from four of the five newly installed monitoring wells (MW-66, MW-68, MW-69 and MW-70). MW-67 was dry at the time of sampling. MW-66, MW-68, and MW-69 were purged dry using a peristaltic pump on May 31, 2005, and again on June 1, 2005 during sampling. A full sample volume was obtained from MW-68, MW-69, and MW-70. Partial sample volume was obtained from MW-66. Groundwater samples were obtained using a peristaltic pump and dedicated tubing.

Accurate documentation of field activities and measurements was recorded on Field Sampling Data Sheets (FSDS). Recorded data included sample collection information, as well as field measurements of pH and temperature when sufficient sample volume was available.

Nitrile gloves were worn during sampling activities at each well location. All samples were transferred into containers previously prepared by the laboratory. The sample containers were sealed, labeled, and stored on ice in a cooler (and in a refrigerator) until delivery to the analytical laboratory.

The groundwater samples were submitted to ESN Northwest for the following analysis:

- VOCs, including gasoline components: benzene, toluene, ethylbenzene, and xylenes (BTEX) using procedures based on U.S. Environmental Protection Agency's (EPA's) Method 8260.
- TPH (as gasoline), by Ecology Method NWTPH-Gx.
- TPH (as diesel and heavy oil), by Ecology Method NWTPH-Dx.

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- Dissolved metals (eight priority pollutant metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), by EPA 6000 and 7000 Series Methods.

RESULTS

Applicable Regulatory Standards – Soil and Groundwater

The rules that guide the cleanup process at sites within Washington are incorporated into the Model Toxics Control Act (MTCA) administered by Ecology, as defined in WAC 173-340. For this report, VOCs, metals, and TPH analytical laboratory results are compared to MTCA Method A cleanup levels for soil and groundwater. The Method A cleanup levels are conservative and are for sites with relatively few hazardous substances, which may be inappropriate for all sites. The regulations state that Method A should not automatically be used to define cleanup levels that must be met for financial, real estate, insurance coverage, or similar purposes. Additionally, exceedances of Method A cleanup levels do not necessarily mandate a cleanup action for a site. The applicable MTCA Method A soil and groundwater cleanup levels are presented in Tables 3 through 8, alongside the soil and perched water sample analytical results, for comparison.

The detected constituents that were reported by the laboratory as exceeding MTCA Method A soil and groundwater cleanup levels (i.e. TPH (as heavy oil), PCE, and arsenic) are discussed in detail below.

Soil Sample Analytical Results—Heavy Oil

TPH (as heavy oil) was detected in the following eight soil samples: B58-4 (850 mg/kg), B58-5 (740 mg/kg), B59-2 (6,500 mg/kg), B63-6 (6,200 mg/kg), B64-4 (1,400 mg/kg), B64-6 (170 mg/kg), B67-6 (6,600 mg/kg), and B69-4 (940 mg/kg). The MTCA Method A soil cleanup level for TPH (as heavy oil) is 2,000 mg/kg (see Table 3). Therefore, TPH (as heavy oil) concentrations in samples B59-2, B63-6, and B67-6 (see above) exceed the MTCA Method A soil cleanup level for TPH (as heavy oil). The soil samples impacted with heavy oil were either stained, produced an elevated PID reading, or had a distinct petroleum odor. Visual signs of stained soil where elevated levels of TPH (as heavy oil) were identified occurred intermittently and varied in depths ranging between 5 to 15 feet bgs (see Table 3). The source of the TPH (as heavy oil) in soil samples collected at the site is unknown, but may have potentially originated from historic spills and/or possibly from the fill material imported onto the property. In either case, the source of the heavy oil does not appear to have originated from a localized source, such as an aboveground or underground storage tank.

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Soil Sample Analytical Results—Tetrachloroethene (PCE)

One VOC constituent (tetrachloroethene (PCE)) was detected in the following three soil samples: B60-2 (0.02 mg/kg), B61-2 (0.2 mg/kg), and B62-2 (0.1 mg/kg). The MTCA Method A soil cleanup level for PCE is 0.05 mg/kg (see Table 4). Therefore, PCE concentrations in samples B61-2 and B62-2 (see above) exceed the MTCA Method A soil cleanup level for PCE. Samples B60-2, B61-2, and B62-2 were collected at a depth of approximately five feet bgs from three borings (B-60, B-61, and B-62) advanced within a sink drainage/discharge field associated with the former Material Preparation Shed (removed from the site approximately four years ago). PCE (as well as other solvents) were reportedly used by Metal Marine Pilot to clean navigational parts and other equipment. This cleaning process also included rinsing the parts with water (after cleaning them with solvents) in a sink located within the Material Preparation Shed prior to being painted within the Spray Painting Shed. Reportedly, between 1960 and 1992, the waste water accumulated during this cleaning process was routinely discharged onto the undeveloped central portion of the site via a concrete drain pipe connected to the sink drain located within the Material Preparation Shed. This practice stopped after 1992 when Metal Marine Pilot began transferring the waste water into an evaporator.

Based on Metal Marine Pilot's historic waste water discharge activities, the sink drain within the former Material Preparation Shed is the likely source of the PCE contamination, given that PCE was not detected in any other soil samples collected at the site.

Groundwater Sample Analytical Results--Arsenic

Arsenic was detected in a perched groundwater sample collected from borehole B-63 (17.9 ug/L), and from water samples collected from monitoring wells MW-68 (9.47 ug/L), MW-69 (4.11 ug/L), and MW-70 (2.67 ug/L). The MTCA Method A groundwater cleanup level for arsenic in water is 5.0 ug/L (Table 8). Arsenic analytical results from water samples obtained from B-63 and MW-70 exceed the MTCA Method A groundwater cleanup level for arsenic. The source(s) of the arsenic identified in the perched water at the site is currently unknown.

Isopropyltoluene, lead, chromium, and arsenic were also detected in several soil samples collected at the site, but not at concentrations exceeding MTCA Method A soil cleanup levels. Acetone and dissolved arsenic, barium, chromium, and selenium were detected in some or all of the groundwater samples, but only the arsenic concentrations (see above) exceeded the MTCA Method A groundwater cleanup level. Laboratory analytical reports indicated that no other VOCs or total petroleum hydrocarbons (as gasoline, diesel, and heavy oil) were detected above the laboratory reporting limits in water samples collected from the site.

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SUMMARY AND CONCLUSIONS

Consistent with BCRA's request, Kleinfelder completed a Limited Phase II ESA at the subject site. This investigation included (1) collecting 29 discreet soil samples from 20 borings advanced along the northwest, central, and eastern portions of the site; (2) collecting shallow water samples from boreholes where perched water was encountered; (3) installing five groundwater monitoring wells along the eastern portion of the site; (4) collecting groundwater samples from the monitoring wells; and (5) submitting the soil and groundwater samples to a State Certified laboratory to be analyzed for the presence of VOCs, TPH (as gasoline, diesel, and heavy oil), and metals.

Analytical results of soil samples collected at the site indicate elevated levels of PCE and TPH (as heavy oil) in soil located along the central and eastern portions of the site. Additionally, elevated levels of arsenic were identified in two perched water samples collected at the site. The extent of the PCE and TPH (as heavy oil) in soil was not fully characterized during this assessment. Similarly, the source and distribution of arsenic in perched water at the site was also not fully characterized.

RECOMMENDATIONS

As discussed above, analytical results of soil and perched water samples collected at the site revealed the presence of PCE, TPH (as heavy oil), and arsenic at concentrations above the corresponding MTCA Method A cleanup levels. The extent of PCE, heavy oil, and arsenic contamination to soil and perched groundwater has not been fully characterized. Therefore, based on the findings of this assessment, Kleinfelder recommends that additional soil and water sampling be conducted at the site to further assess the extent of PCE, TPH (heavy oil), and arsenic levels. This supplemental investigation should include the following:

1. Collect up to 14 soil samples from seven borings advanced along the central undeveloped portion of the property, adjacent to the areas where elevated levels of PCE and TPH (as heavy oil) were identified.

2. Re-sample perched water within the four water-bearing monitoring wells located along the eastern portion of the site. Additionally, advance one boring down to perched groundwater near the site's eastern boundary and collect another perched water sample. Analyze up to 5 perched water samples for the presence of arsenic and compare laboratory analytical results with the previous arsenic results. Analyzing perched water samples for the presence of VOCs and TPH (as heavy oil) should also be conducted.

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LIMITATIONS

The work described herein was performed to address environmental concerns expressed in Kleinfelder's May 25, 2005 Phase I ESA report concerning the subject site. The findings and recommendations in this report are made based upon the analytical results, field observations, and our best professional judgment. It is possible that unforeseen events could occur that may limit the effectiveness of the assessment. Although risk can never be eliminated, more detailed and extensive sampling and testing would yield better management of site risks. Since such extensive services involve greater expense, we ask our clients to participate in identifying the level of service that will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

The scope of work on this project was presented in our Contract Modification No.1 (dated May 20, 2005) and subsequently approved by BCRA as out client. Please be aware our scope of work was limited to those items specifically identified in the proposal. Other activities not specifically included in the presented scope of work (in the Contract Modification, correspondence, or this report) are excluded and should not be considered to be a part of our scope of services.

Land use, site conditions (both on-site and off-site) and other factors will change over time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings and opinions can be considered valid only as of the date of the site visit.

This report may be used by BCRA and their client (The Client) and only for the purposes stated within a reasonable time from its issuance, but in no event later than one year from the date of this report.

Any party other than BCRA and The Client who would like to use this report shall notify Kleinfelder of such intended use (see attached "Third Party Reliance Letter" template). Based on the intended use of this report, Kleinfelder may require that additional work be performed and that a revised report be issued. Non-compliance with any of these requirements by BCRA, The Client, or anyone else will release Kleinfelder from any liability resulting from the use of this letter report by any unauthorized party.

No warranty, either express, or implied is made.

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CLOSING

We trust this report meets your needs at this time and appreciate the opportunity to provide our consulting services to BCRA. Please contact the undersigned at (425) 562-4200 or John Mancini (Kleinfelder's Senior Client Service Manager to BCRA) at (801) 261-3336 if you have questions or require additional information.

Sincerely,

KLEINFELDER, INC.

for

Dana P. Divine
Staff Hydrogeologist

Ted W. Sykes
Project Manager

Kevin G. Lakey, PE, LHG
Environmental Services Manager

Cc: John Mancini, Senior Client Service Manager

Attachments: Figure 1 – Site Vicinity Map
Figure 2 – Soil Borings/Monitoring Well Locations Map
Table 1 – Log of Soil and Water Samples Collected
Table 2 – Well Installation Details
Table 3 – Soil Sample Analytical Results: TPH-Gx and TPH-Dx
Table 4 – Soil Sample Analytical Results: VOCs
Table 5 – Soil Sample Analytical Results: Total Metal Concentrations
Table 6 – Water Sample Analytical Results: TPH-Gx and TPH-Dx
Table 7 – Water Sample Analytical Results: VOCs
Table 8 – Water Sample Analytical Results: Dissolved Metal Concentrations
Boring Logs/Monitoring Well Installation Details
Analytical Laboratory Reports and Chain-of-Custody
Third Party Reliance Letter Template

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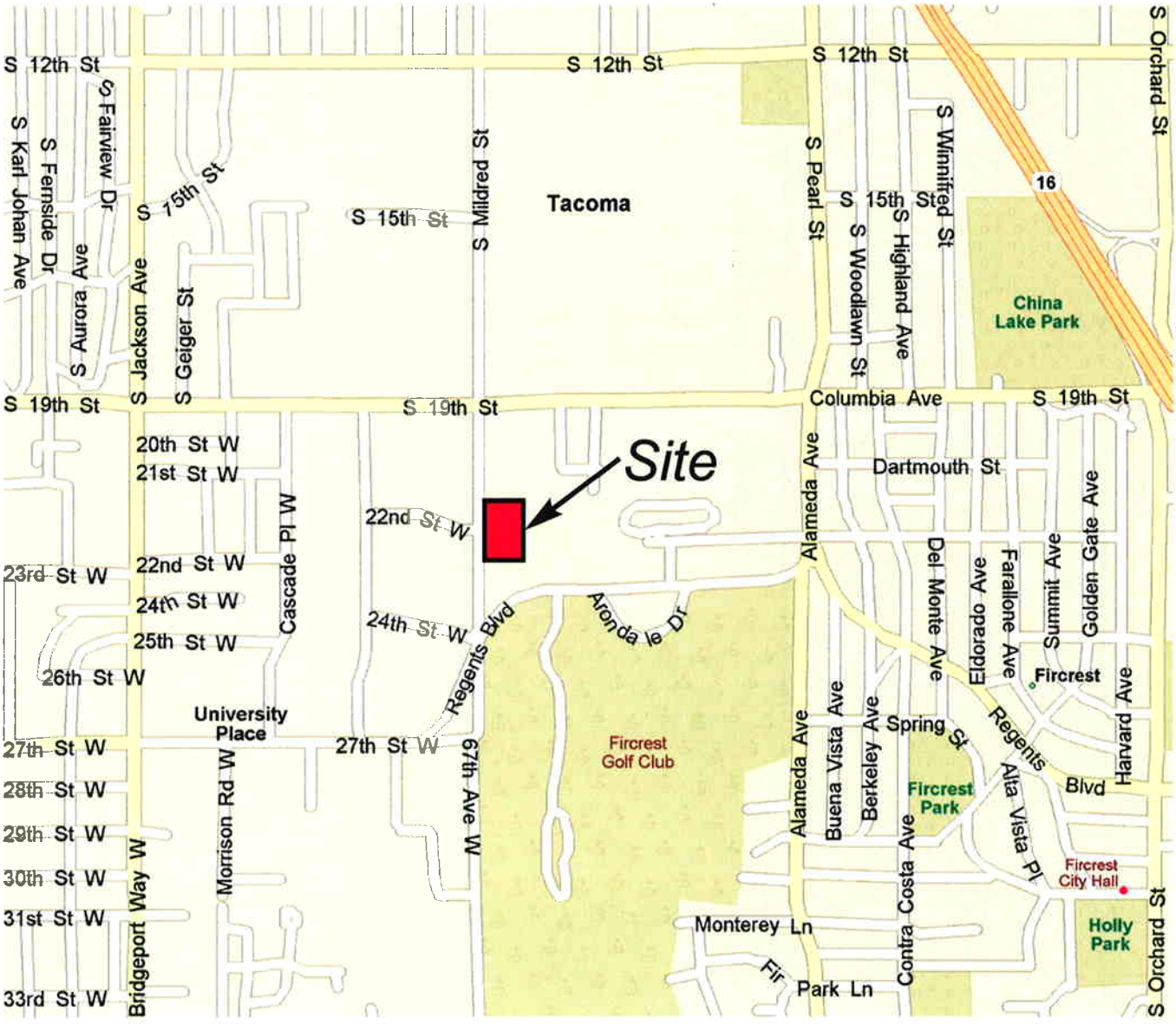

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Not to Scale

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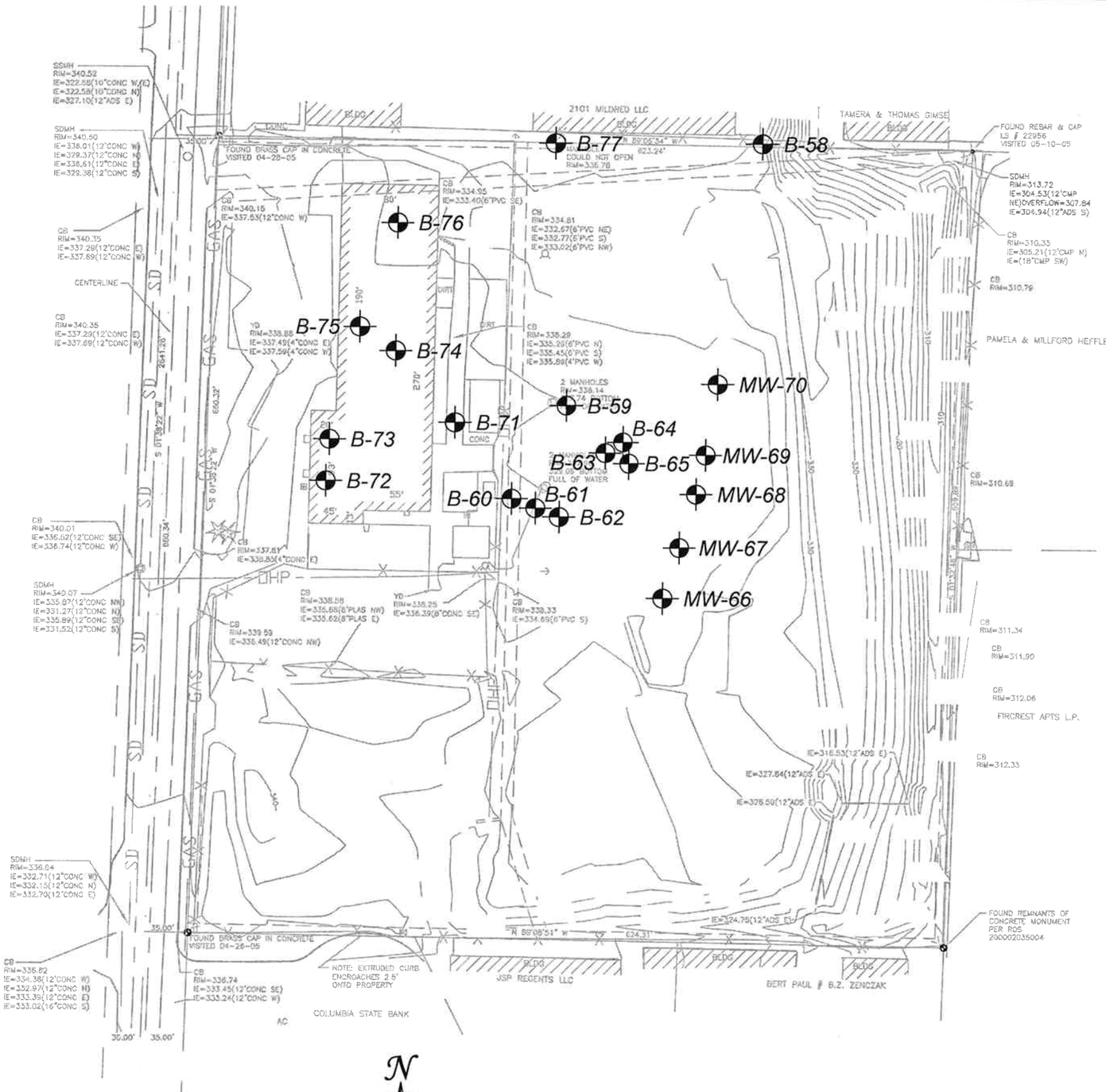
PROJECT NO. 56130 June 2005

Vicinity Map

Proposed Retail Site (No.95984)
2119 Mildred Street West
Fircrest, Washington

FIGURE 1



Legend

B-59 Boring Location

MW-66 Monitoring Well Location

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Proposed Retail Site (No.95984)
2119 Mildred Street West
Fircrest, Washington

Project: 56130 *June 2005*

Boring/Monitoring Well Locations Plan

FIGURE 2

Table 1
Log of Soil and Water Samples Collected

Borehole	Soil Sample Name	Detections ?	Water Sample Name	Detections ?
B-58	B58-4 @ 10'	Y		
	B58-5 @ 12.5'	Y		
B-59	B59-2 @ 5'	Y	B-59	--
B-60	B60-2 @ 5'	Y		
B-61	B61-2 @ 5'	Y		
B-62	B62-2 @ 5'	Y		
B-63	B63-2 @ 5'	--	B-63	Y
	B63-6 @ 15'	Y		
B-64	B64-4 @ 8.5'	Y		
	B64-6 @ 15'	Y		
B-65	B65-1 @ 2.5'	--	B-65	Y
	B65-7 @ 15'	Y		
B-66	B66-2 @ 5'	--	MW-66	Y
	B66-9 @ 22.5'	--		
B-67	B67-4 @ 12'	--		
	B67-6 @ 15'	Y		
B-68	B68-2 @ 5'	Y	MW-68	Y
	B68-8 @ 20'	--		
B-69	B69-4 @ 11.5'	Y	MW-69	Y
	B69-9 @ 22.5'	Y		
B-70	B70-2 @ 5'	Y	MW-70	Y
	B70-9 @ 22.5'	Y		
B-71	B71-2 @ 5'	--		
B-72	B72-1 @ 1'	--		
B-73	B73-1 @1	--		
B-74	B74-1 @ 1'	--		
B-75	B75-1 @ 1'	Y		
B-76	B76-1 @ 1'	--		
B-77	B57-2 @ 5'	--		

Notes:
"MW-" water samples are named "B-" on Chain-of-custody and lab reports.
"Detections" refer to any detection above the reporting limit.
"-- "indicates no detections above the reporting limit for the compounds analyzed.

Table 2
Well Installation Details

Well	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Top of Sand Pack (feet bgs)	PVC Elevation (feet NGVD 29)	Depth to Water (feet bgs)	Water Elevation (feet NGVD 29)
MW-66	15.6	20.6	10	337.44	17.51	319.93
MW-67	19.3	24.3	10	337.23	--	--
MW-68	19.3	24.3	10	337.21	16.55	320.66
MW-69	20.0	25.0	10	337.46	19.60	317.86
MW-70	20.0	25.0	10	337.29	17.00	320.29

Table 3
Soil Sample Analytical Results
TPH-G and TPH-Dx

Soil Sample Name	TPH-G (mg/kg)	TPH-D (mg/kg)	Heavy Oil (mg/kg)	Kerosene (mg/kg)
MTCA A	**100**	**2,000**	**2,000**	**--**
B58-4 @ 10'	<5.0	<20	**850**	<20
B58-5 @ 12.5'	<5.0	<20	**740**	<20
B59-2 @ 5'	<5.0	<20	**6,500**	<20
B60-2 @ 5'	<5.0	<20	<50	<20
B61-2 @ 5'	<5.0	<20	<50	<20
B62-2 @ 5'	<5.0	<20	<50	<20
B63-2 @ 5'	<5.0	<20	<50	<20
B63-6 @ 15'	<5.0	<20	**6,200**	<20
B64-4 @ 8.5'	<5.0	<20	**1,400**	<20
B64-6 @ 15'	<5.0	<20	**170**	<20
B65-1 @ 2.5'	<5.0	<20	<50	<20
B65-7 @ 15'	<5.0	<20	<50	<20
B66-2 @ 5'	<5.0	<20	<50	<20
B66-9 @ 22.5'	<5.0	<20	<50	<20
B67-4 @ 12'	<5.0	<20	<50	<20
B67-6 @ 15'	<5.0	<20	**6,600**	<20
B68-2 @ 5'	<5.0	<20	<50	<20
B68-8 @ 20'	<5.0	<20	<50	<20
B69-4 @ 11.5'	<5.0	<20	**940**	<20
B69-9 @ 22.5'	<5.0	<20	<50	<20
B70-2 @ 5'	<5.0	<20	<50	<20
B70-9 @ 22.5'	<5.0	<20	<50	<20
B71-2 @ 5'	<5.0	<20	<50	<20
B72-1 @ 1'	<5.0	<20	<50	<20
B73-1 @ 1'	<5.0	<20	<50	<20
B74-1 @ 1'	<5.0	<20	<50	<20
B75-1 @ 1'	<5.0	<20	<50	<20
B76-1 @ 1'	<5.0	<20	<50	<20
B77-2 @ 5'	<5.0	<20	<50	<20

Notes:
TPH-G indicates Total Petroleum Hydrocarbons-Gasoline Range.
TPH-D indicates Total Petroleum Hydrocarbons-Diesel Range.
The gasoline MTCA A level is applicable in the absence of benzene.
Bold indicates detection above laboratory reporting limit.
Shaded indicates value exceeds MTCA A level.
Kerosene does not have a MTCA A level.
B77-2 @ 5' is listed as B57-2 @ 5' on Chain-of-custody and lab reports.

Table 4
Soil Sample Analytical Results
VOCs

Soil Sample Name	PCE (mg/kg)	Isopropyltoluene (mg/kg)
MTCA A	**0.05**	**--**
B58-4 @ 10'	<0.02	<0.05
B58-5 @ 12.5'	<0.02	<0.05
B59-2 @ 5'	<0.02	<0.05
B60-2 @ 5'	**0.02**	<0.05
B61-2 @ 5'	**0.2**	<0.05
B62-2 @ 5'	**0.1**	<0.05
B63-2 @ 5'	<0.02	<0.05
B63-6 @ 15'	<0.02	**0.06**
B64-4 @ 8.5'	<0.02	<0.05
B64-6 @ 15'	<0.02	<0.05
B65-1 @ 2.5'	<0.02	<0.05
B65-7 @ 15'	<0.02	<0.05
B66-2 @ 5'	<0.02	<0.05
B66-9 @ 22.5'	<0.02	<0.05
B67-4 @ 12'	<0.02	<0.05
B67-6 @ 15'	<0.02	<0.05
B68-2 @ 5'	<0.02	<0.05
B68-8 @ 20'	<0.02	<0.05
B69-4 @ 11.5'	<0.02	<0.05
B69-9 @ 22.5'	<0.02	<0.05
B70-2 @ 5'	<0.02	<0.05
B70-9 @ 22.5'	<0.02	<0.05
B71-2 @ 5'	<0.02	<0.05
B72-1 @ 1'	<0.02	<0.05
B73-1 @ 1'	<0.02	<0.05
B74-1 @ 1'	<0.02	<0.05
B75-1 @ 1'	<0.02	<0.05
B76-1 @ 1'	<0.02	<0.05
B57-2 @ 5'	<0.02	<0.05

Notes:
Only compounds having detections are listed.
Bolded values indicate detections above the laboratory detection limit.
Shaded values indicate detections above MTCA A level.
Isopropyltoluene does not have a MTCA A level.

Table 5
Soil Sample Analytical Results
Total Metals

Soil Sample Name	Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Arsenic (mg/kg)	Silver (mg/kg)	Barium (mg/kg)	Selenium (mg/kg)	Mercury (mg/kg)
MTCA A	**250**	**2**	**--**	**20**	**--**	**--**	**--**	**2**
B58-4 @ 10'	<5	<1	<5	<5	<20	<500	<50	<0.5
B58-5 @ 12.5'	**14**	<1	**8.4**	<5	<20	<500	<50	<0.5
B59-2 @ 5'	**15**	<1	**7.9**	<5	<20	<500	<50	<0.5
B60-2 @ 5'	<5	<1	<5	<5	<20	<500	<50	<0.5
B61-2 @ 5'	<5	<1	**6.7**	<5	<20	<500	<50	<0.5
B62-2 @ 5'	**8**	<1	<5	<5	<20	<500	<50	<0.5
B63-2 @ 5'	<5	<1	<5	<5	<20	<500	<50	<0.5
B63-6 @ 15'	<5	<1	<5	<5	<20	<500	<50	<0.5
B64-4 @ 8.5'	**12**	<1	**5.3**	<5	<20	<500	<50	<0.5
B64-6 @ 15'	**15**	<1	**5.9**	<5	<20	<500	<50	<0.5
B65-1 @ 2.5'	<5	<1	<5	<5	<20	<500	<50	<0.5
B65-7 @ 15'	**12**	<1	**6.5**	<5	<20	<500	<50	<0.5
B66-2 @ 5'	<5	<1	<5	<5	<20	<500	<50	<0.5
B66-9 @ 22.5'	<5	<1	<5	<5	<20	<500	<50	<0.5
B67-4 @ 12'	<5	<1	<5	<5	<20	<500	<50	<0.5
B67-6 @ 15'	<5	<1	<5	<5	<20	<500	<50	<0.5
B68-2 @ 5'	**13**	<1	<5	<5	<20	<500	<50	<0.5
B68-8 @ 20'	<5	<1	<5	<5	<20	<500	<50	<0.5
B69-4 @ 11.5'	**26**	<1	<5	<5	<20	<500	<50	<0.5
B69-9 @ 22.5'	**60**	<1	<5	**15**	<20	<500	<50	<0.5
B70-2 @ 5'	<5	<1	**5.5**	<5	<20	<500	<50	<0.5
B70-9 @ 22.5'	**8**	<1	<5	<5	<20	<500	<50	<0.5
B71-2 @ 5'	<5	<1	<5	<5	<20	<500	<50	<0.5
B72-1 @ 1'	<5	<1	<5	<5	<20	<500	<50	<0.5
B73-1 @ 1 '	<5	<1	<5	<5	<20	<500	<50	<0.5
B74-1 @ 1'	<5	<1	<5	<5	<20	<500	<50	<0.5
B75-1 @ 1'	**8.7**	<1	<5	<5	<20	<500	<50	<0.5
B76-1 @ 1'	<5	<1	<5	<5	<20	<500	<50	<0.5
B77-2 @ 5'	<5	<1	<5	<5	<20	<500	<50	<0.5

Notes:
Bold indicates detection above the laboratory reporting limit.
B77-2 @ 5' is listed as B57-2 @ 5' on Chain-of-custody and laboratory reports.
No MTCA A cleanup level for total chromium is defined. The chromium (III) limit is 2,000 mg/kg.
The chromium (VI) limit is 19 mg/kg.

Table 6
Water Sample Analytical Results
TPH-G and TPH-Dx

Water Sample Name	TPH-G (ug/L)	TPH-D (ug/L)	Heavy Oil (ug/L)	Kerosene (ug/L)
MTCA A	**1,000**	**500**	**500**	**--**
B59	<0.10	<0.2	<0.5	<0.2
B65	<0.10	<0.2	<0.5	<0.2
B59	<0.10	<0.2	<0.5	<0.2
MW-66	<0.10	<0.2	<0.5	<0.2
MW-68	<0.10	<0.2	<0.5	<0.2
MW-69	<0.10	<0.2	<0.5	<0.2
MW-70	<0.10	<0.2	<0.5	<0.2

Notes:
TPH-G indicates Total Petroleum Hydrocarbons-Gasoline Range.
TPH-D indicates Total Petroleum Hydrocarbons-Diesel Range.
Kerosene does not have a MTCA A level.

Table 7
Water Sample Analytical Results
VOCs

Water Sample Name	Acetone (ug/L)
MTCA A	--
B59	**34**
B65	<10
B59	<10
MW-66	<10
MW-68	<10
MW-69	<10
MW-70	<10

Notes:
Only compounds having detections are listed.
Acetone does not have a MTCA A level.

Table 8
Water Sample Analytical Results
Dissolved Metals

Soil Sample Name	Arsenic (ug/L)	Barium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Lead (ug/L)	Selenium (ug/L)	Silver (ug/L)	Mercury (ug/L)
MTCA A	**5**	**--**	**5**	**50**	**15**	**--**	**--**	**2**
B63	**17.9**	**132**	<2.5	**3.59**	<2.5	**3.65**	<2.5	<0.2
B65	<2.5	**22**	<2.5	<2.5	<2.5	<2.5	<2.5	<0.2
MW-66	<2.5	**109**	<2.5	<2.5	<2.5	**2.59**	<2.5	<0.2
MW-68	**2.67**	**155**	<2.5	**5.05**	<2.5	<2.5	<2.5	<0.2
MW-69	**4.11**	**214**	<2.5	<2.5	<2.5	<2.5	<2.5	<0.2
MW-70	**9.47**	**151**	<2.5	<2.5	<2.5	<2.5	<2.5	<0.2

Notes:
Bold indicates detections above the laboratory reporting limit.
Shaded indicates value is above MTCA A limits.
"MW-" water samples are named "B-" on Chain-of-custody and laboratory reports.

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
0													SM	
											1			SILTY SAND (SM): brown, dry to moist, fine to medium sand, trace fine to coarse gravel, trace organics (roots, wood) (FILL)
5											2			
											3			SILTY SAND (SM): brown, moist, fine to medium sand, some coarse gravel, cobble piece in shoe
10											4			SILTY SAND (SM): brown, moist, fine to medium sand, trace fine gravel, possible staining (FILL)
											5			SILTY SAND (SM): olive-gray to brown, moist, fine to medium sand, trace fine gravel (FILL)
15											6			
											7			SILTY SAND (SM): olive-gray to brown, moist, fine to medium sand, trace coarse sand, trace fine gravel (FILL)
20														

DATE DRILLED: 5-27-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 24.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-58

Appendix
A - a

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
20											8			
											9			SILTY SAND (SM): olive-gray, moist, fine to medium sand, trace fine gravel, rock piece in shoe, driller said harder at 23'
24														(TILL) Refusal at 24 feet. No water encountered.

* SAMPLER TYPE: Cal. (3"OD) Split Spoon; SPT (2" OD) Split Spoon; Core Sample; Shelby Tube; Grab; No Recovery

**HAMMER WEIGHT: 300 lbs (30" Drop); 140 lbs (30" Drop)

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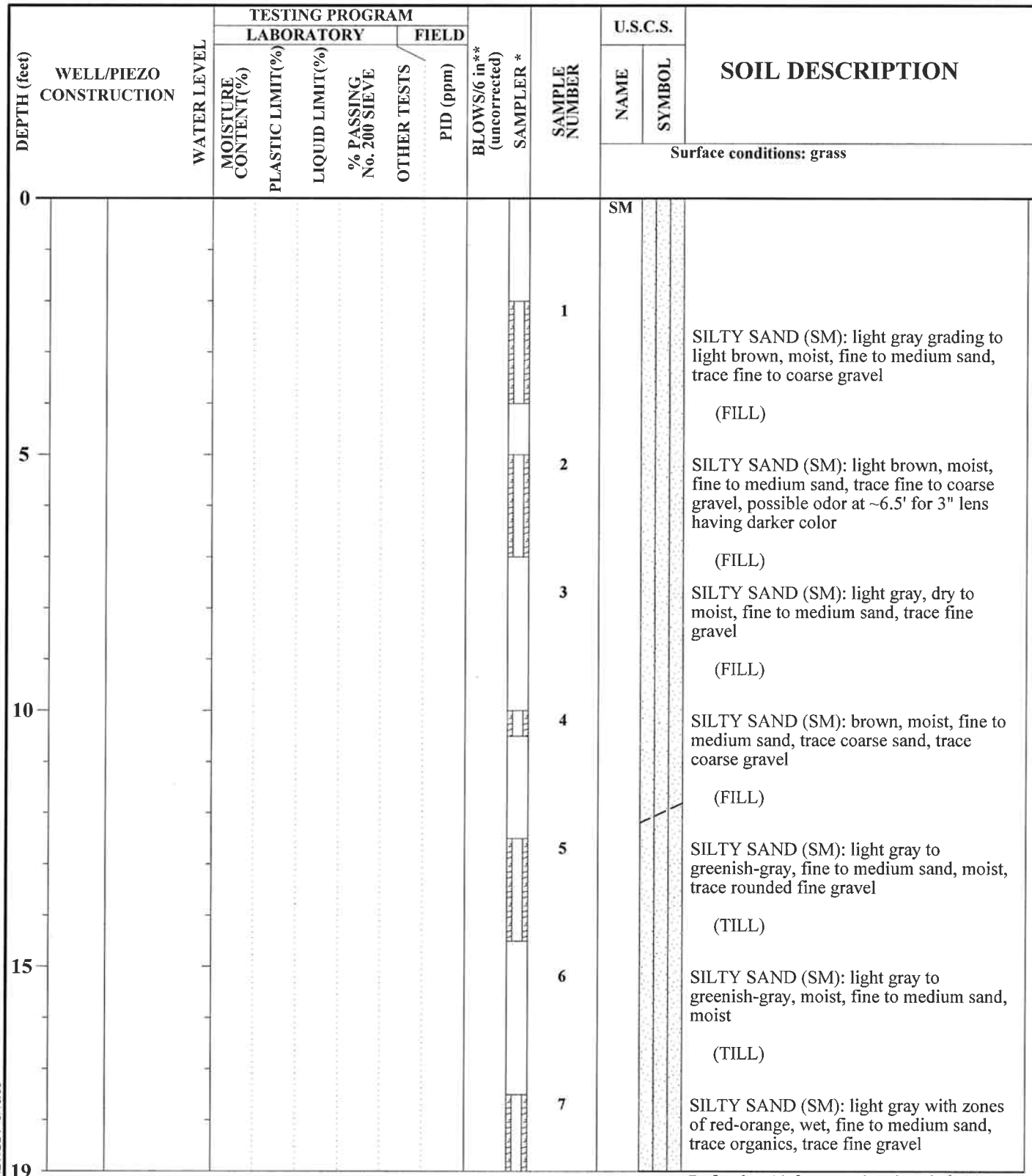
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-58

Appendix
A - b



DATE DRILLED: 5-26-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 19.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

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GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-59

Appendix
A -

2002 STAN. INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: grass
0												SM		SILTY SAND (SM): greenish-gray to olive-gray, dry to moist, fine to medium sand, trace fine gravel, trace organics (roots)
											1			(FILL)
5											2			SILTY SAND (SM): olive-gray, moist, fine to medium sand, trace fine gravel
6														Refusal at 6 feet. No water encountered.

DATE DRILLED: 5-26-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 6.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

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GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING
PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-60

Appendix
A -
PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	TESTING PROGRAM: FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: grass
0													SM	SILTY SAND (SM): light gray, moist, fine to medium sand, trace fine to coarse gravel. (FILL)
											1			
5											2			SILTY SAND (SM): light brown, moist, fine to medium sand grading to green-gray, moist, silty sand at ~6' (TILL)
											3			SILTY SAND (SM): light gray, trace fine gravel (TILL)
10											4			SILTY SAND (SM): light gray to greenish-gray, dry to moist, fine to medium sand, trace fine gravel (TILL)
12														Refusal at 12 feet. No water encountered.

DATE DRILLED: 5-26-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 12.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

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GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-61

Appendix
A -

PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

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BY: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	TESTING PROGRAM: FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: grass
0													SM	
											1			SILTY SAND (SM): light gray, moist, fine to medium sand, trace fine gravel. Shoe is light brown (SM), trace organics
														(FILL)
5											2			SILTY SAND (SM): light brown, moist, fine- to medium sand, trace fine to coarse gravel
														(FILL)
											3			SILTY SAND (SM): green-gray, moist, fine to medium sand, some fine to coarse gravel
														(TILL)
10											4			as above
											5			SILTY SAND (SM): olive-gray, moist, fine to medium sand, trace fine gravel
13														Refusal at 13 feet. No water encountered.

DATE DRILLED: 5-26-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 13.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-62

Appendix
A -

PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: grass
0													SM	
											1			SILTY SAND (SM): olive-gray, dry to moist, fine to medium sand, trace fine gravel (FILL)
5											2			SILTY SAND (SM): olive-gray, moist, fine to medim sand, trace fine gravel, (FILL)
											3			
10											4			SILTY SAND (SM): brown mottled with gray, moist, fine to medium sand, some small to coarse gravel, trace organics (wood chips) (FILL) probe advancement slowed
											5			SILTY SAND (SM): brown to olive-gray, moist, fine to medium sand, trace fine gravel (TILL)
15											6			SILTY SAND (SM): dark brown, fine to medium sand, some fine to coarse gravel, stained (TILL)
											7			SILTY SAND (SM): light gray grading to olive-gray, fine to medium sand, trace fine gravel
19														Refusal at 19 feet. Water sample collected.

DATE DRILLED: 5-26-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 19.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

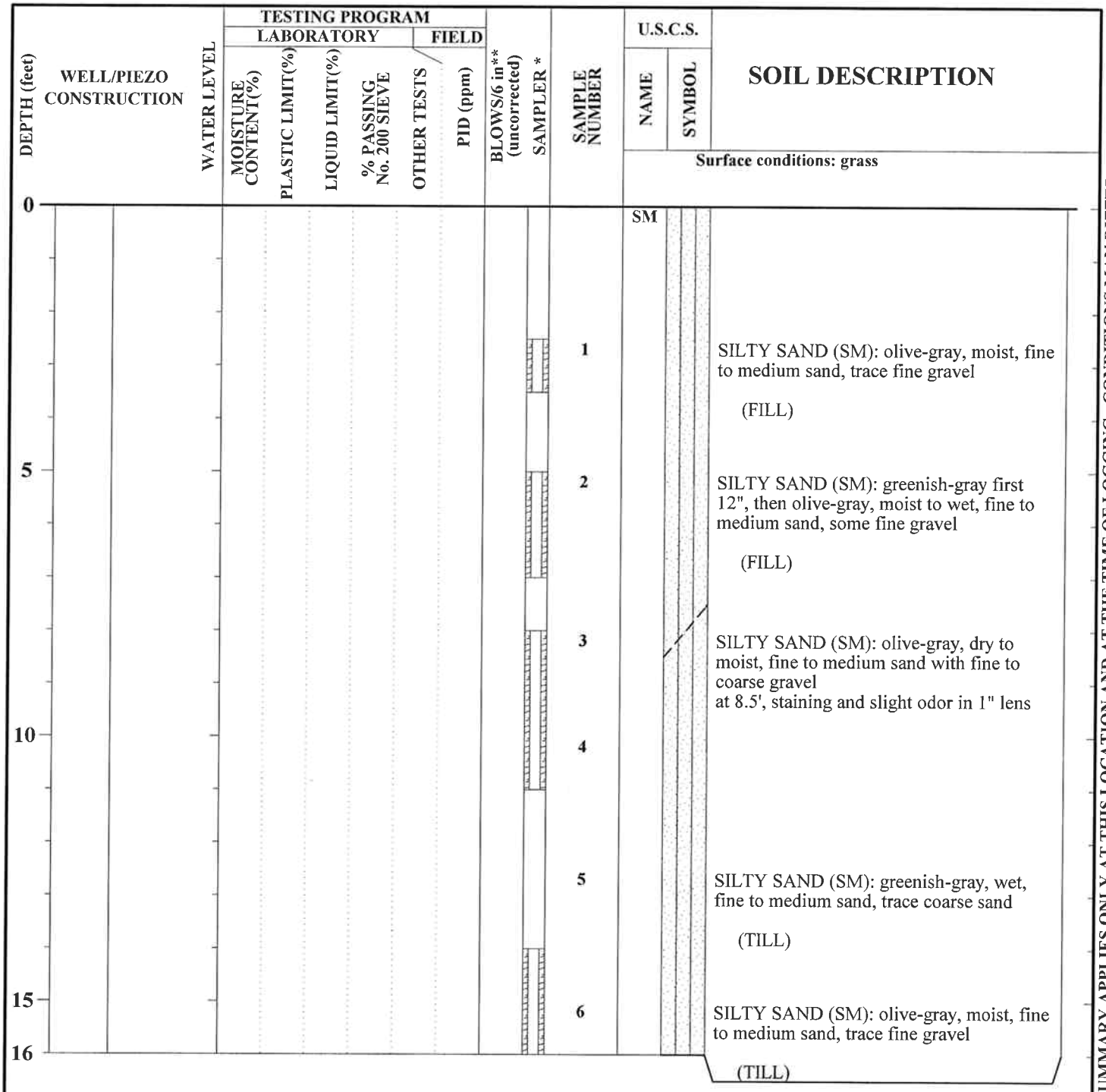
KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING
PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-63

Appendix
A -
PAGE 1 of 1

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05



DATE DRILLED: 5-26-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 16.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-64

Appendix
A -

PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

2002 STAN INPUT/ALL OUTPUT 56130 GPJ 2000REV GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: grass
0													SM	
											1			SILTY SAND (SM): light gray to olive-gray, wet, fine to medium sand, trace fine to coarse gravel (FILL)
5											2			as above
											3			dry to moist 8'-10', wet at 10', probe advancement slowed at 8' (TILL)
10		▽									4			SILTY SAND (SM): olive-gray, wet, fine to medium sand, trace fine to coarse gravel (TILL)
											5			SILTY SAND (SM): light gray grading to olive-gray, wet, fine to medium sand, trace fine gravel (TILL)
15														SILTY SAND (SM): olive-gray, wet, fine to medium sand, trace fine gravel (TILL)
											6			as above
18														Refusal at 18 feet. Rock in shoe. Water sample collected.

DATE DRILLED: 5-26-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 18.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

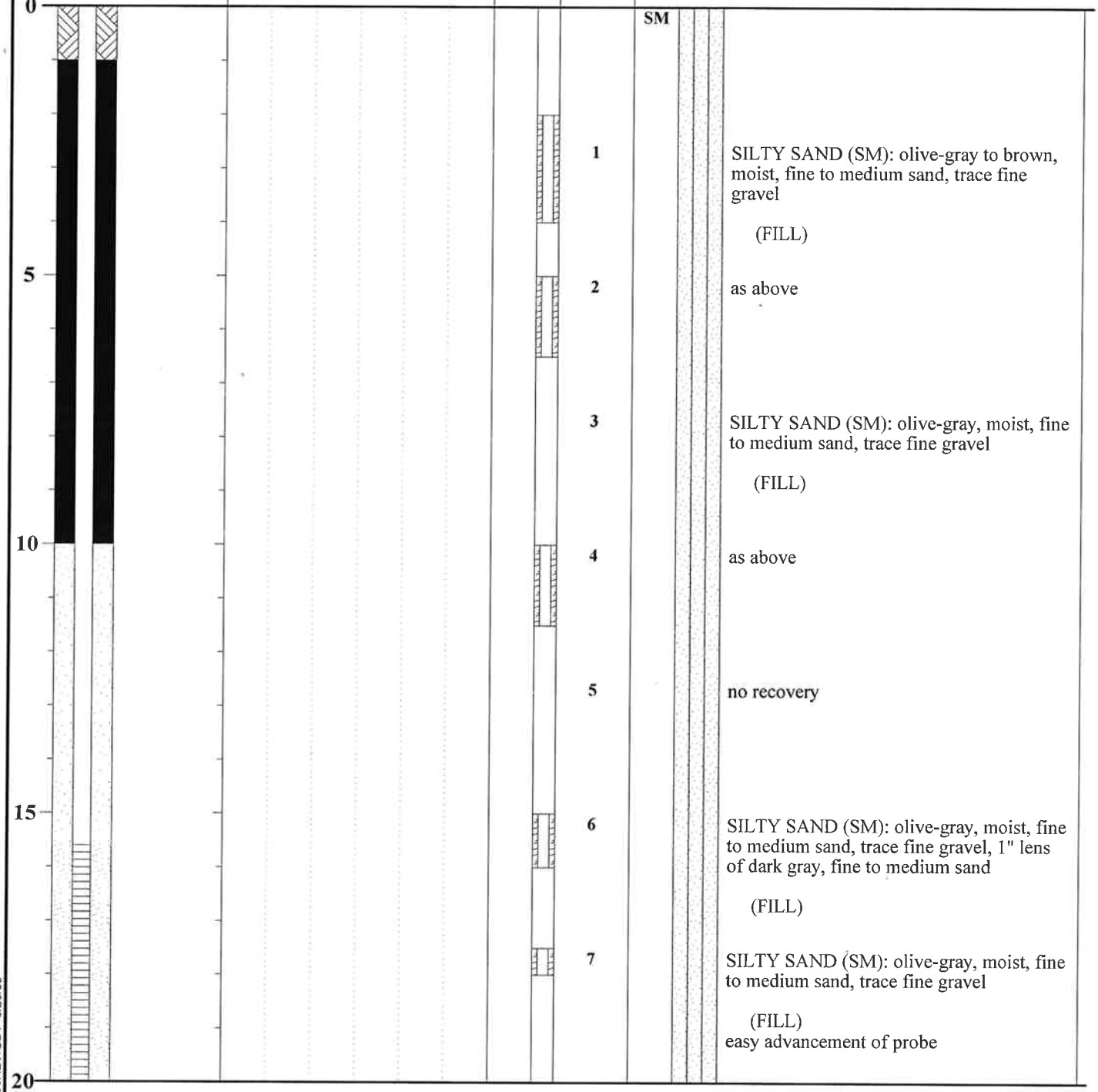
Proposed Retail Development
Fircrest, WA

BORING LOG
B-65

Appendix
A -

PAGE 1 of 1

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05



DATE DRILLED: 5-27-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 23.5
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-66

Appendix
A - a

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
20											8			SILTY SAND (SM): olive-gray, moist to wet, fine to medium sand, trace fine to coarse gravel, 1" lens of poorly graded medium sand (SP)
											9			SILTY SAND (SM): light gray, moist to dry, fine to medium sand, trace fine gravel (TILL)
23.5														Refusal at 23.5 feet, till in shoe

COMPLETION DETAILS:

0-15.6 feet: 0.75-inch diameter, flush-threaded Schdule 40 PVC blank riser pipe.

15.6-20.6 feet: 0.75-inch diameter, flush-threaded Schedule 40 PVC well screen with 0.010-inch machine slots and pre-pack sand pack.

0-1 feet: concrete flush mount monument.
1-10 feet: bentonite granules.
10-20.6 feet: 10x20 Colorado Silica Sand (in addition to prepack).

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

* SAMPLER TYPE: Cal. (3"OD) Split Spoon; SPT (2" OD) Split Spoon; Core Sample; Shelby Tube; Grab; No Recovery

**HAMMER WEIGHT: 300 lbs (30" Drop); 140 lbs (30" Drop)

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-66

Appendix
A - b

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: grass
0													SM	
											1			SILTY SAND (SM): light gray, dry, fine to medium sand, trace fine gravel
5											2			SILTY SAND (SM): olive-gray to light brown, moist, fine to medium sand, trace fine gravel
											3			SILTY SAND (SM): olive-gray, moist to wet, fine to medium sand, some fine gravel
10											4			SILTY SAND (SM): olive-gray to brown grading to dark gray in shoe, moist to wet grading to moist, fine to medium sand, trace fine gravel, possible petrol odor at 12', wood in shoe
											5			(FILL)
														SILTY SAND (SM): olive-gray, wet, fine to medium sand, trace fine gravel, staining at 15'
15											6			
											7			olive-gray, moist to wet, fine to medium sand, trace fine to coarse gravel
20														

DATE DRILLED: 5-27-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 20.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-67

Appendix
A - a

PAGE 1 of 2

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S.: NAME	U.S.C.S.: SYMBOL	SOIL DESCRIPTION
20											8			Refusal at 20 feet, rock in shoe.

COMPLETION DETAILS:

0-19.3 feet: 0.75-inch diameter, flush-threaded Schedule 40 PVC blank riser pipe.

19.3-24.3 feet: 0.75-inch diameter, flush-threaded, Schedule 40 PVC well screen with 0.010-inch machine slots and pre-pack sand pack.

0-1 feet: flush mount monument.
1-10 feet: bentonite granules.
10-24.3 feet: 10x20 Colorado Silica Sand (in addition to pre-pack).

* SAMPLER TYPE: Cal. (3"OD) Split Spoon; SPT (2" OD) Split Spoon; Core Sample; Shelby Tube; Grab; No Recovery

**HAMMER WEIGHT: 300 lbs (30" Drop); 140 lbs (30" Drop)

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

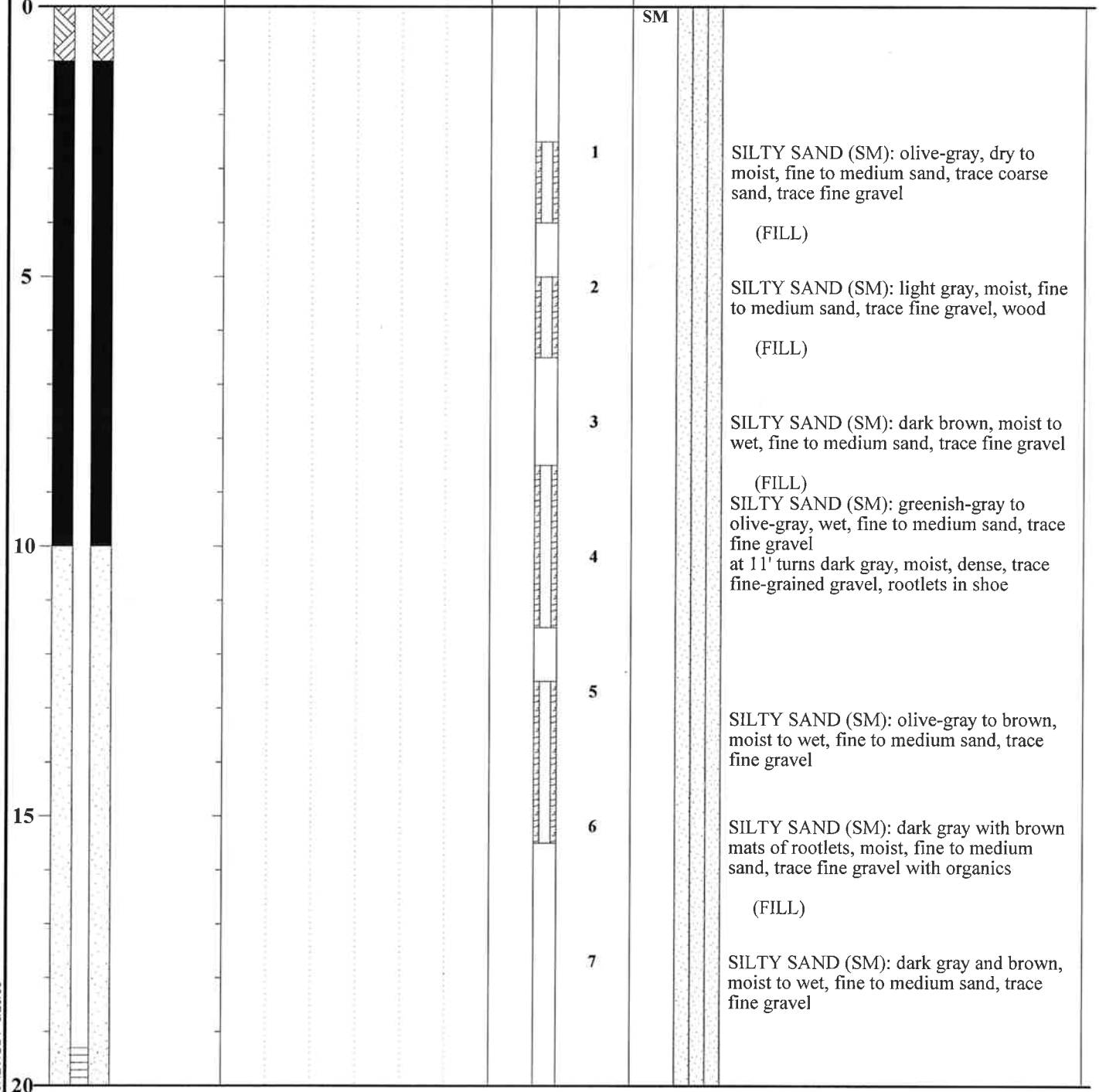
KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-67

Appendix
A - b



DATE DRILLED: 5-27-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 23.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-68

Appendix
A - a

PAGE 1 of 2

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
20											8			SILTY SAND (SM): light gray and brown, moist, fine to medium sand, trace rootlets and fine gravel, dark staining in shoe
23											9			

SILTY SAND (SM): light gray to olive-gray, moist to wet, fine to medium sand, trace fine gravel, rootlets in shoe
COMPLETION DETAILS:

0-19.3 feet: 0.75-inch diameter, flush-threaded Schedule 40 PVC blank riser pipe.

19.3-24.3 feet: 0.75-inch diameter, flush-threaded Schedule 40 PVC well screen with 0.010-inch machine slots and pre-pack and pack.

0-1 feet: flush mount monument.
1-10 feet: bentonite granules.
10-24.3: 10x20 Colorado Silica Sand (in addition to pre-pack).

* SAMPLER TYPE: Cal. (3"OD) Split Spoon; SPT (2" OD) Split Spoon; Core Sample; Shelby Tube; Grab; No Recovery

**HAMMER WEIGHT: 300 lbs (30" Drop); 140 lbs (30" Drop)

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

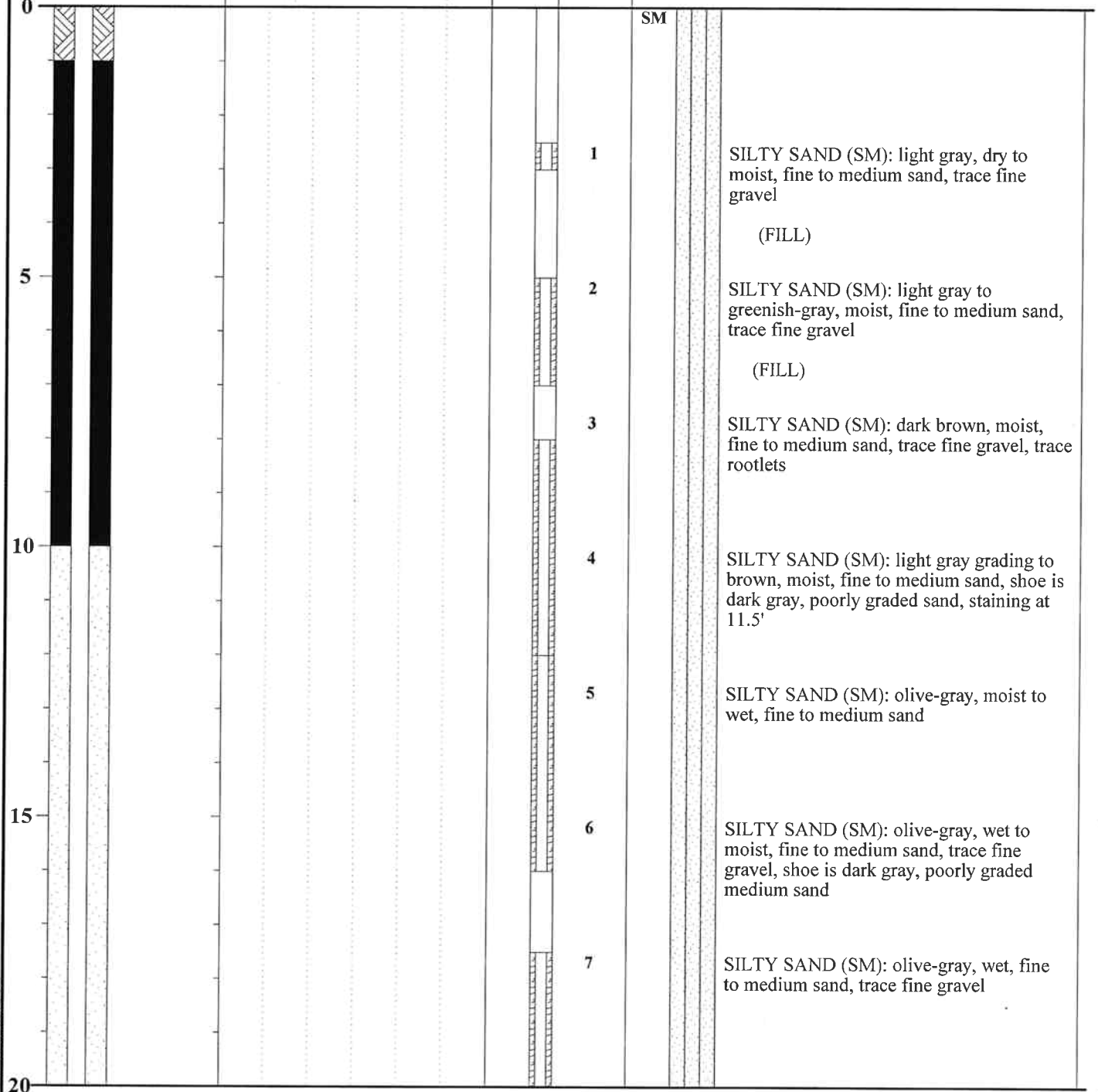
KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-68

Appendix
A - b



DATE DRILLED: 5-27-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 24.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

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GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-69

Appendix
A - a

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
20											8			SILTY SAND (SM): gray to brown, moist to wet, fine to medium sand with organic matter (wood chips). Shoe is gray, poorly graded medium sand
											9			
24														

SILTY SAND (SM): olive-gray, wet, fine to medium sand grading into 3" fine gravel layer grading into dark brown, moist, fine to medium sand, some organic matter (wood and roots), trace fine gravel
COMPLETION DETAILS:

0-20 feet: 0.75-inch diameter, flush-threaded Schedule 40 PVC blank riser pipe.

20-25 feet: 0.75-inch diamter, flush-threaded Schedule 40 PVC well screen with 0.010-inch machine slots and pre-pack sand pack.

0-1 feet: flush mounted monument.
1-10 feet: bentonite granules.
10-25 feet: 10x20 Colorado Silica Sand (in addition to pre-pack).

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

* SAMPLER TYPE: Cal. (3"OD) Split Spoon; SPT (2" OD) Split Spoon; Core Sample; Shelby Tube; Grab; No Recovery

**HAMMER WEIGHT: 300 lbs (30" Drop); 140 lbs (30" Drop)

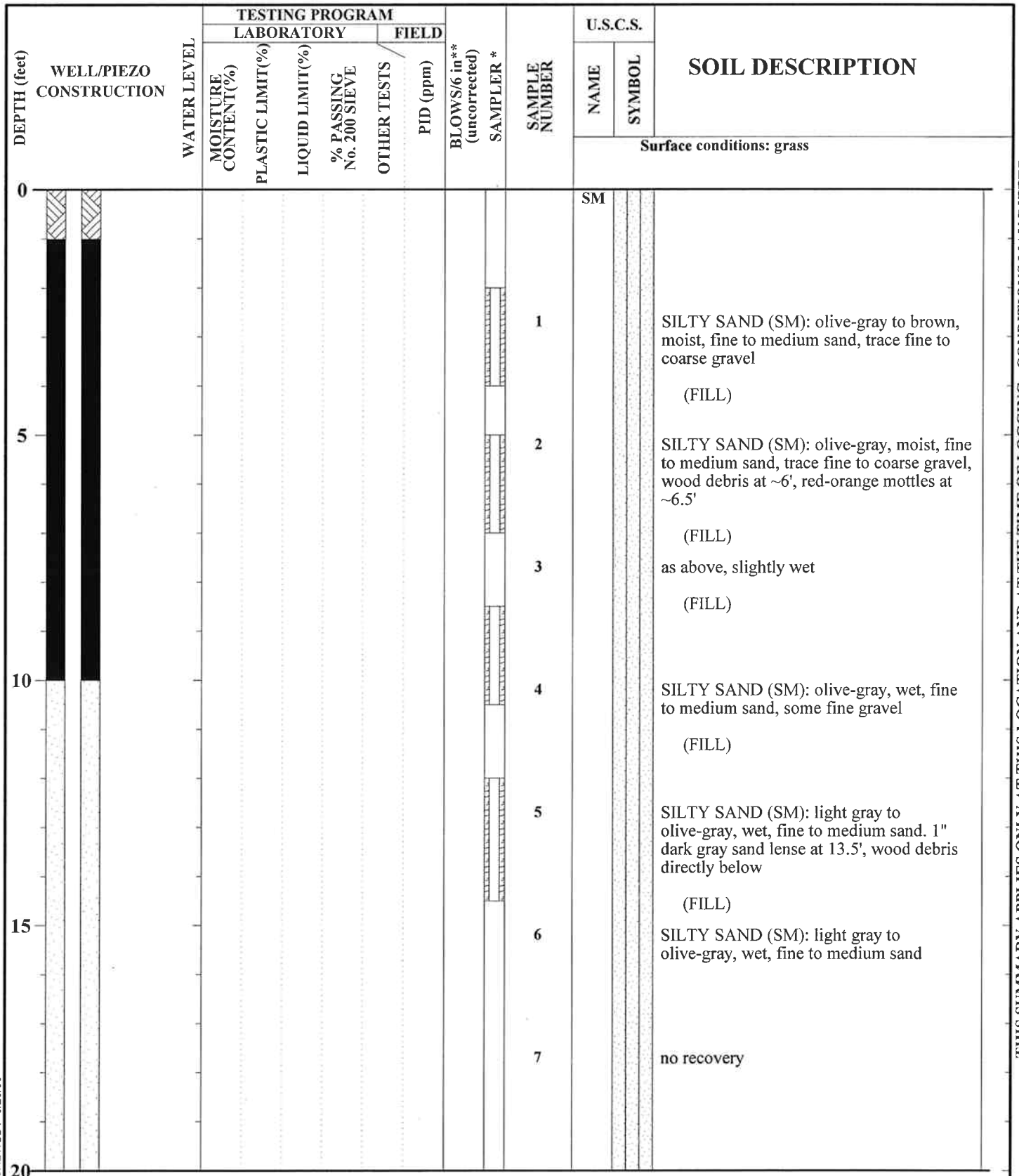
KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-69

Appendix
A - b



DATE DRILLED: 5-27-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 24.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-70

Appendix
A - a
PAGE 1 of 2

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
20											8			SILTY SAND (SM): brown to olive-gray, wet, fine to medium sand
											9			
24														

SILTY SAND (SM): olive-gray, moist to wet, fine to medium, trace fine to coarse gravel, trace rootlets

(FILL)

COMPLETION DETAILS:

0-20 feet: 0.75-inch diameter, flush-threaded Schedule 40 PVC blank riser pipe.

20-25 feet: 0.75-inch diameter, flush-threaded Schedule 40 PVC well screen with 0.010-inch machine slots and pre-pack sand pack.

0-1 feet: flush mount monument.
1-10 feet: bentonite granules.
10-25 feet: 10x20 Colorado Silica Sand (in addition to pre-pack).

* SAMPLER TYPE: Cal. (3"OD) Split Spoon; SPT (2" OD) Split Spoon; Core Sample; Shelby Tube; Grab; No Recovery

**HAMMER WEIGHT: 300 lbs (30" Drop); 140 lbs (30" Drop)

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-70

Appendix
A - b

PAGE 2 of 2

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

2000 STANDARD IN/OUT 56130.GPJ 2000REV.GDT 6/20/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	TESTING PROGRAM: FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: asphalt, cored
0													SM	
											1			SILTY SAND (SM): brown, moist, fine to medium sand with coarse sand
5											2			SILTY SAND (SM): light gray, moist to dry, fine sand, trace coarse sand
8											3			SILTY SAND (SM): light gray, fine to medium sand, some fine to coarse gravel Refusal at 8 feet, rock in shoe

DATE DRILLED: 5-31-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 8.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-71

Appendix
A -

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: concrete, cored
0												SM		SILTY SAND (SM): light brown grading to light gray, dry to moist, fine sand, trace fine to coarse gravel
											1			
5											2			SILTY SAND (SM): light gray, dry to moist, fine-grained sand, trace fine- to coarse-grained gravel
6														Refusal at 6 feet

DATE DRILLED: 5-31-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 6.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-72

Appendix
A -

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	TESTING PROGRAM: FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: concrete, cored
0											1	SM		SILTY SAND (SM): light brown grading to light gray, moist, fine to medium sand, trace fine to coarse gravel. Oxidized layer at ~2"
1.5														Refusal at 1.5 feet

DATE DRILLED: 5-31-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 1.5
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-73

Appendix
A -
PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: concrete, cored
0														
											1	SM		SILTY SAND (SM): dark brown grading to light brown grading to gray, moist to dry, fine sand with fine to coarse gravel in bottom 1'
2.5														Refusal at 2.5'

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

DATE DRILLED: 5-31-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 2.5
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-74

Appendix
A -

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	TESTING PROGRAM: FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: concrete, cored
0												SM		SILTY SAND (SM): dark brown grading to light brown, dry to moist, fine sand, trace fine to coarse gravel
											1			
5											2			as above Refusal at 5 feet

DATE DRILLED: 5-31-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 5.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-75

Appendix
A -

PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY: MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD: PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: concrete, cored
0												SM		SILTY SAND (SM): brown, moist to dry, fine sand, trace fine gravel in top 1', rest of sample is pea gravel, the bottome 2" of which is possibly stained
											1			
5														SILTY SAND (SM): brown, moist to dry, fine sand, trace fine gravel
5.5											2			

DATE DRILLED: 5-31-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 5.5
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-76

Appendix
A -

PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

BY: _____ APPROV: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

DEPTH (feet)	WELL/PIEZO CONSTRUCTION	WATER LEVEL	TESTING PROGRAM: LABORATORY — MOISTURE CONTENT(%)	PLASTIC LIMIT(%)	LIQUID LIMIT(%)	% PASSING No. 200 SIEVE	OTHER TESTS	FIELD — PID (ppm)	BLOWS/6 in** (uncorrected)	SAMPLER *	SAMPLE NUMBER	U.S.C.S. NAME	U.S.C.S. SYMBOL	SOIL DESCRIPTION
														Surface conditions: grass
0													SM	SILTY SAND (SM): light gray to brown, dry to moist, fine to medium sand, trace fine to coarse gravel (FILL)
											1			
5											2			SILTY SAND (SM): light gray to brown, moist, fine to red sand, trace fine to coarse gravel (FILL)
											3			
											4			
10														SILTY SAND (SM): light gray, dry to moist, fine to medium sand, trace fine gravel (FILL)
11														Refusal at 11 feet. No water encountered.

DATE DRILLED: 5-27-05
LOGGED BY: D. Divine
REVIEWED BY: T. Sykes

SURFACE ELEVATION (feet):
TOTAL DEPTH (feet): 11.0
DIAMETER OF BORING (in): 2

DRILLING METHOD: Probe
DRILLER: Boart Longyear
CASING SIZE: N/A

KLEINFELDER
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS
SOILS AND MATERIALS TESTING

PROJECT NUMBER: 56130

Proposed Retail Development
Fircrest, WA

BORING LOG
B-77

Appendix
A -

PAGE 1 of 1

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH TIME. DATA PRESENTED IS A SIMPLIFICATION.

APPROV: _____

BY: _____

2002 STAN INPUT/ALL OUTPUT 56130.GPJ 2000REV.GDT 6/15/05

56130

ESN NORTHWEST | Environmental Services Network

June 13, 2005

Ted Sykes
Kleinfelder
2405 140th Avenue NE
Suite A101
Bellevue, WA 98005-1877

Dear Mr. Sykes:

Please find enclosed the analytical data report from the Fircrest, Retail Project site in Washington. Soil and water samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, VOC's by Method 8260, and RCRA 8 Metals by Method 6000 & 7000 series on June 3 – 6, 2005.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Kleinfelder for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec

Michael A. Korosec
President

1210 Eastside Street SE, Suite 200 ▪ Olympia, Washington 98501 ▪ 360.459.4670 ▪ FAX 360.459.3432
Web Site: *www.esnnw.com* E-Mail: *info@esnnw.com*

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50531-1
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	B59-2@5'	B61-2@5'	B62-2@5'	B60-2@5'	B65-1@2.5'	B65-7@15'	B64-4@8.5'	B64-6@15'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Moisture, %			8%	16%	14%	10%	10%	15%	11%	14%
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	**6,500**	nd	nd	nd	nd	nd	**1,400**	**170**
Surrogate recoveries:										
Fluorobiphenyl		104%	101%	102%	97%	100%	100%	100%	101%	107%
o-Terphenyl		84%	110%	100%	95%	97%	99%	93%	104%	109%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
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ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

NWTPH-Dx, mg/kg		B63-2@5'	B63-6@15'	B57-2@5'	B58-4@10'	B58-5@12.5'	B70-2@5'	B70-9@22.5'	B69-4@11.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/06/05	06/03/05	06/03/05	06/03/05
Moisture, %		10%	5%	9%	8%	12%	11%	13%	17%
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	**6,200**	nd	**850**	**740**	nd	nd	**940**
Surrogate recoveries:									
Fluorobiphenyl		100%	101%	102%	100%	106%	101%	104%	101%
o-Terphenyl		97%	105%	101%	98%	107%	101%	102%	100%

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ESN Job Number: S50531-1
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

NWTPH-Dx, mg/kg		B69-9@22.5'	B68-8@20'	B68-2@5'	B67-4@12'	DUP B67-4@12'	B67-6@15'	B66-2@5'	B66-9@22.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Moisture, %		20%	17%	13%	10%	10%	6%	13%	12%
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	**6,600**	nd	nd
Surrogate recoveries:									
Fluorobiphenyl		104%	104%	103%	107%	106%	102%	103%	106%
o-Terphenyl		106%	100%	100%	100%	102%	107%	99%	99%

Data Qualifiers and Analytical Comments

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ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

NWTPH-Dx, mg/kg		QC SAMPLE	DUP QC SAMPLE
Matrix	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05
Moisture, %			
Kerosene/Jet fuel	20	nd	nd
Diesel/Fuel oil	20	nd	nd
Heavy oil	50	nd	nd
Surrogate recoveries:			
Fluorobiphenyl		104%	103%
o-Terphenyl		98%	99%

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Client Job Number:	56130

Analytical Results

NWTPH-Dx, mg/l		MTH BLK	B65	B63	B59	QC SAMPLE	DUP QC SAMPLE
Matrix	Water	Water	Water	Water	Water	Water	Water
Date extracted	Reporting	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Kerosene/Jet fuel	0.20	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	0.20	nd	nd	nd	nd	nd	nd
Heavy oil	0.50	nd	nd	nd	nd	nd	nd
Surrogate recoveries:							
Fluorobiphenyl		109%	108%	104%	105%	110%	105%
o-Terphenyl		107%	103%	109%	105%	109%	105%

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Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

NWTPH-Gx, mg/kg		MTH BLK	B59-2@5'	B61-2@5'	B62-2@5'	B60-2@5'	B65-1@2.5'	B65-7@15'	B64-4@8.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Moisture, %			8%	16%	14%	10%	10%	15%	11%
Mineral spirits/Stoddard solvent	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:									
Fluorobiphenyl		104%	101%	102%	97%	100%	100%	100%	101%
o-Terphenyl		84%	110%	100%	95%	97%	99%	93%	104%

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Client Job Number:	56130

Analytical Results

NWTPH-Gx, mg/kg		B64-6@15'	B63-2@5'	B63-6@15'	B57-2@5'	B58-4@10'	B58-5@12.5'	B70-2@5'	B70-9@22.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/06/05	06/03/05	06/03/05
Moisture, %		14%	10%	5%	9%	8%	12%	11%	13%
Mineral spirits/Stoddard solvent	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:									
Fluorobiphenyl		107%	100%	101%	102%	100%	106%	101%	104%
o-Terphenyl		109%	97%	105%	101%	98%	107%	101%	102%

Data Qualifiers and Analytical Comments

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Analytical Results

NWTPH-Gx, mg/kg		B69-4@11.5'	B69-9@22.5'	B68-8@20'	B68-2@5'	B67-4@12'	DUP B67-4@12'	B67-6@15'	B66-2@5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Moisture, %		17%	20%	17%	13%	10%	10%	6%	13%
Mineral spirits/Stoddard solvent	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:									
Fluorobiphenyl		101%	104%	104%	103%	107%	106%	102%	103%
o-Terphenyl		100%	106%	100%	100%	100%	102%	107%	99%

Data Qualifiers and Analytical Comments

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Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

NWTPH-Gx, mg/kg		B66-9@22.5'	QC SAMPLE	DUP QC SAMPLE
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05
Moisture, %		12%		
Mineral spirits/Stoddard solvent	5.0	nd	nd	nd
Gasoline	5.0	nd	nd	nd
Surrogate recoveries:				
Fluorobiphenyl		106%	104%	103%
o-Terphenyl		99%	98%	99%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
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Results reported on dry-weight basis
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Acceptable RPD limit: 35%

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ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

8260, mg/kg		MTH BLK	LCS	B59-2@5'	B61-2@5'	B62-2@5'	B60-2@5'	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Date extracted	Reporting			05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	
Moisture, %				8%	16%	14%	10%			
Dichlorodifluoromethane	0.05	nd		nd	nd	nd	nd			
Chloromethane	0.05	nd		nd	nd	nd	nd			
Vinyl chloride	0.01	nd		nd	nd	nd	nd			
Bromomethane	0.05	nd		nd	nd	nd	nd			
Chloroethane	0.05	nd		nd	nd	nd	nd			
Trichlorofluoromethane	0.05	nd		nd	nd	nd	nd			
Acetone	0.50	nd		nd	nd	nd	nd			
1,1-Dichloroethene	0.05	nd	93%	nd	nd	nd	nd	88%	85%	3%
Methylene chloride	0.50	nd		nd	nd	nd	nd			
Methyl-t-butyl ether (MTBE)	0.05	nd		nd	nd	nd	nd			
trans-1,2-Dichloroethene	0.05	nd		nd	nd	nd	nd			
1,1-Dichloroethane	0.05	nd		nd	nd	nd	nd			
2-Butanone (MEK)	0.50	nd		nd	nd	nd	nd			
cis-1,2-Dichloroethene	0.05	nd		nd	nd	nd	nd			
2,2-Dichloropropane	0.05	nd		nd	nd	nd	nd			
Chloroform	0.05	nd		nd	nd	nd	nd			
Bromochloromethane	0.05	nd		nd	nd	nd	nd			
1,1,1-Trichloroethane	0.05	nd		nd	nd	nd	nd			
1,2-Dichloroethane	0.05	nd		nd	nd	nd	nd			
1,1-Dichloropropene	0.05	nd		nd	nd	nd	nd			
Carbon tetrachloride	0.05	nd		nd	nd	nd	nd			
Benzene	0.02	nd	107%	nd	nd	nd	nd	106%	102%	4%
Trichloroethene (TCE)	0.02	nd	105%	nd	nd	nd	nd	102%	99%	3%
1,2-Dichloropropane	0.05	nd		nd	nd	nd	nd			
Dibromomethane	0.05	nd		nd	nd	nd	nd			
Bromodichloromethane	0.05	nd		nd	nd	nd	nd			
4-Methyl-2-pentanone	0.05	nd		nd	nd	nd	nd			
cis-1,3-Dichloropropene	0.05	nd		nd	nd	nd	nd			
Toluene	0.05	nd	118%	nd	nd	nd	nd	114%	109%	4%
trans-1,3-Dichloropropene	0.05	nd		nd	nd	nd	nd			
1,1,2-Trichloroethane	0.05	nd		nd	nd	nd	nd			
2-Hexanone	0.05	nd		nd	nd	nd	nd			
1,3-Dichloropropane	0.05	nd		nd	nd	nd	nd			
Dibromochloromethane	0.05	nd		nd	nd	nd	nd			
Tetrachloroethene (PCE)	0.02	nd		nd	**0.20**	**0.10**	**0.02**			
1,2-Dibromoethane (EDB)(*)	0.005	nd		nd	nd	nd	nd			
Chlorobenzene	0.05	nd	117%	nd	nd	nd	nd	116%	110%	5%
1,1,1,2-Tetrachloroethane	0.05	nd		nd	nd	nd	nd			
Ethylbenzene	0.05	nd		nd	nd	nd	nd			
Xylenes	0.05	nd		nd	nd	nd	nd			
Styrene	0.05	nd		nd	nd	nd	nd			
Bromoform	0.05	nd		nd	nd	nd	nd			
1,1,2,2-Tetrachloroethane	0.05	nd		nd	nd	nd	nd			
Isopropylbenzene	0.05	nd		nd	nd	nd	nd			
1,2,3-Trichloropropane	0.05	nd		nd	nd	nd	nd			
Bromobenzene	0.05	nd		nd	nd	nd	nd			
n-Propylbenzene	0.05	nd		nd	nd	nd	nd			
2-Chlorotoluene	0.05	nd		nd	nd	nd	nd			
4-Chlorotoluene	0.05	nd		nd	nd	nd	nd			
1,3,5-Trimethylbenzene	0.05	nd		nd	nd	nd	nd			
tert-Butylbenzene	0.05	nd		nd	nd	nd	nd			
1,2,4-Trimethylbenzene	0.05	nd		nd	nd	nd	nd			
sec-Butylbenzene	0.05	nd		nd	nd	nd	nd			
1,3-Dichlorobenzene	0.05	nd		nd	nd	nd	nd			
1,4-Dichlorobenzene	0.05	nd		nd	nd	nd	nd			

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Client Job Number:	56130

Analytical Results

8260, mg/kg		MTH BLK	LCS	B59-2@5'	B61-2@5'	B62-2@5'	B60-2@5'	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Date extracted	Reporting			05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	
Moisture, %				8%	16%	14%	10%			
Isopropyltoluene	0.05	nd		nd	nd	nd	nd			
1,2-Dichlorobenzene	0.05	nd		nd	nd	nd	nd			
n-Butylbenzene	0.05	nd		nd	nd	nd	nd			
1,2-Dibromo-3-Chloropropane	0.05	nd		nd	nd	nd	nd			
1,2,4-Trichlorobenzene	0.05	nd		nd	nd	nd	nd			
Naphthalene	0.05	nd		nd	nd	nd	nd			
Hexachloro-1,3-butadiene	0.05	nd		nd	nd	nd	nd			
1,2,3-Trichlorobenzene	0.05	nd		nd	nd	nd	nd			
Surrogate recoveries:										
Dibromofluoromethane		94%	95%	94%	95%	95%	95%	94%	94%	
Toluene-d8		104%	105%	105%	106%	106%	105%	103%	104%	
4-Bromofluorobenzene		102%	105%	105%	103%	104%	106%	105%	106%	

*-instrument detection limits

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

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Client Job Number: 56130

Analytical Results

8260, mg/kg		MTH BLK	LCS	B65-1@2.5'	B65-7@15'	B64-4@8.5'	B64-6@15'	B63-2@5'	B63-6@15'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting			05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05
Date analyzed	Limits	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05
Moisture, %				10%	15%	11%	14%	10%	5%
Dichlorodifluoromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Chloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Vinyl chloride	0.01	nd		nd	nd	nd	nd	nd	nd
Bromomethane	0.05	nd		nd	nd	nd	nd	nd	nd
Chloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Acetone	0.50	nd		nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	79%	nd	nd	nd	nd	nd	nd
Methylene chloride	0.50	nd		nd	nd	nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	0.05	nd		nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd		nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
2-Butanone (MEK)	0.50	nd		nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd		nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Chloroform	0.05	nd		nd	nd	nd	nd	nd	nd
Bromochloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.05	nd		nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.05	nd		nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	94%	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	90%	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Dibromomethane	0.05	nd		nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
4-Methyl-2-pentanone	0.05	nd		nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.05	nd		nd	nd	nd	nd	nd	nd
Toluene	0.05	nd	96%	nd	nd	nd	nd	nd	nd
trans-1,3-Dichloropropene	0.05	nd		nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
2-Hexanone	0.05	nd		nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd		nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)(*)	0.005	nd		nd	nd	nd	nd	nd	nd
Chlorobenzene	0.05	nd	96%	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
Xylenes	0.05	nd		nd	nd	nd	nd	nd	nd
Styrene	0.05	nd		nd	nd	nd	nd	nd	nd
Bromoform	0.05	nd		nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Bromobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.05	nd		nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.05	nd		nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

8260, mg/kg		MTH BLK	LCS	B65-1@2.5'	B65-7@15'	B64-4@8.5'	B64-6@15'	B63-2@5'	B63-6@15'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting			05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05
Date analyzed	Limits	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05
Moisture, %				10%	15%	11%	14%	10%	5%
Isopropyltoluene	0.05	nd		nd	nd	nd	nd	nd	**0.06**
1,2-Dichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
Naphthalene	0.05	nd		nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
Surrogate recoveries:									
Dibromofluoromethane		97%	98%	97%	97%	96%	95%	97%	95%
Toluene-d8		98%	100%	100%	98%	100%	99%	100%	98%
4-Bromofluorobenzene		98%	98%	98%	96%	96%	99%	98%	99%

*-instrument detection limits

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50531-1
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

8260, mg/kg		B57-2@5'	B58-4@10'	B58-5@12.5'	B70-2@5'	B70-9@22.5'	B69-4@11.5'	B69-9@22.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05
Date analyzed	Limits	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05
Moisture, %		9%	8%	12%	11%	13%	17%	20%
Dichlorodifluoromethane	0.05	nd	nd	nd	nd	nd	nd	nd
Chloromethane	0.05	nd	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.01	nd	nd	nd	nd	nd	nd	nd
Bromomethane	0.05	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.05	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd	nd
Acetone	0.50	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd	nd
Methylene chloride	0.50	nd	nd	nd	nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	0.05	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd	nd
2-Butanone (MEK)	0.50	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd	nd
Chloroform	0.05	nd	nd	nd	nd	nd	nd	nd
Bromochloromethane	0.05	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.05	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.05	nd	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.05	nd	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd	nd
Dibromomethane	0.05	nd	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.05	nd	nd	nd	nd	nd	nd	nd
4-Methyl-2-pentanone	0.05	nd	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.05	nd	nd	nd	nd	nd	nd	nd
Toluene	0.05	nd	nd	nd	nd	nd	nd	nd
trans-1,3-Dichloropropene	0.05	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.05	nd	nd	nd	nd	nd	nd	nd
2-Hexanone	0.05	nd	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.05	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)(*)	0.005	nd	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.05	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
Xylenes	0.05	nd	nd	nd	nd	nd	nd	nd
Styrene	0.05	nd	nd	nd	nd	nd	nd	nd
Bromoform	0.05	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.05	nd	nd	nd	nd	nd	nd	nd
Bromobenzene	0.05	nd	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.05	nd	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.05	nd	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.05	nd	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.05	nd	nd	nd	nd	nd	nd	nd

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

8260, mg/kg		B57-2@5'	B58-4@10'	B58-5@12.5'	B70-2@5'	B70-9@22.5'	B69-4@11.5'	B69-9@22.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05
Date analyzed	Limits	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05	06/05/05
Moisture, %		9%	8%	12%	11%	13%	17%	20%
Isopropyltoluene	0.05	nd	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.05	nd	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.05	nd	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.05	nd	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd	nd
Naphthalene	0.05	nd	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.05	nd	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd	nd

*-instrument detection limits

Surrogate recoveries:

Dibromofluoromethane	96%	94%	95%	95%	97%	97%	97%
Toluene-d8	99%	99%	99%	100%	99%	99%	97%
4-Bromofluorobenzene	98%	96%	98%	97%	97%	96%	97%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50531-1
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

8260, mg/kg		B68-8@20'	B68-2@5'	MTH BLK	LCS	B67-4@12'	B67-6@15'	B66-2@5'	B66-9@22.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	05/31/05	05/31/05			05/31/05	05/31/05	05/31/05	05/31/05
Date analyzed	Limits	06/05/05	06/05/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05
Moisture, %		17%	13%			10%	6%	13%	12%
Dichlorodifluoromethane	0.05	nd	nd	nd		nd	nd	nd	nd
Chloromethane	0.05	nd	nd	nd		nd	nd	nd	nd
Vinyl chloride	0.01	nd	nd	nd		nd	nd	nd	nd
Bromomethane	0.05	nd	nd	nd		nd	nd	nd	nd
Chloroethane	0.05	nd	nd	nd		nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd		nd	nd	nd	nd
Acetone	0.50	nd	nd	nd		nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	83%	nd	nd	nd	nd
Methylene chloride	0.50	nd	nd	nd		nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	0.05	nd	nd	nd		nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd	nd	nd		nd	nd	nd	nd
1,1-Dichloroethane	0.05	nd	nd	nd		nd	nd	nd	nd
2-Butanone (MEK)	0.50	nd	nd	nd		nd	nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd	nd	nd		nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd		nd	nd	nd	nd
Chloroform	0.05	nd	nd	nd		nd	nd	nd	nd
Bromochloromethane	0.05	nd	nd	nd		nd	nd	nd	nd
1,1,1-Trichloroethane	0.05	nd	nd	nd		nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd	nd	nd		nd	nd	nd	nd
1,1-Dichloropropene	0.05	nd	nd	nd		nd	nd	nd	nd
Carbon tetrachloride	0.05	nd	nd	nd		nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	93%	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	nd	nd	93%	nd	nd	nd	nd
1,2-Dichloropropane	0.05	nd	nd	nd		nd	nd	nd	nd
Dibromomethane	0.05	nd	nd	nd		nd	nd	nd	nd
Bromodichloromethane	0.05	nd	nd	nd		nd	nd	nd	nd
4-Methyl-2-pentanone	0.05	nd	nd	nd		nd	nd	nd	nd
cis-1,3-Dichloropropene	0.05	nd	nd	nd		nd	nd	nd	nd
Toluene	0.05	nd	nd	nd	95%	nd	nd	nd	nd
trans-1,3-Dichloropropene	0.05	nd	nd	nd		nd	nd	nd	nd
1,1,2-Trichloroethane	0.05	nd	nd	nd		nd	nd	nd	nd
2-Hexanone	0.05	nd	nd	nd		nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd		nd	nd	nd	nd
Dibromochloromethane	0.05	nd	nd	nd		nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd		nd	nd	nd	nd
1,2-Dibromoethane (EDB)(*)	0.005	nd	nd	nd		nd	nd	nd	nd
Chlorobenzene	0.05	nd	nd	nd	96%	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd		nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
Xylenes	0.05	nd	nd	nd		nd	nd	nd	nd
Styrene	0.05	nd	nd	nd		nd	nd	nd	nd
Bromoform	0.05	nd	nd	nd		nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd		nd	nd	nd	nd
Isopropylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
1,2,3-Trichloropropane	0.05	nd	nd	nd		nd	nd	nd	nd
Bromobenzene	0.05	nd	nd	nd		nd	nd	nd	nd
n-Propylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
2-Chlorotoluene	0.05	nd	nd	nd		nd	nd	nd	nd
4-Chlorotoluene	0.05	nd	nd	nd		nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
tert-Butylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
sec-Butylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
1,3-Dichlorobenzene	0.05	nd	nd	nd		nd	nd	nd	nd
1,4-Dichlorobenzene	0.05	nd	nd	nd		nd	nd	nd	nd

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50531-1
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

8260, mg/kg		B68-8@20'	B68-2@5'	MTH BLK	LCS	B67-4@12'	B67-6@15'	B66-2@5'	B66-9@22.5'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	05/31/05	05/31/05			05/31/05	05/31/05	05/31/05	05/31/05
Date analyzed	Limits	06/05/05	06/05/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05
Moisture, %		17%	13%			10%	6%	13%	12%
Isopropyltoluene	0.05	nd	nd	nd		nd	nd	nd	nd
1,2-Dichlorobenzene	0.05	nd	nd	nd		nd	nd	nd	nd
n-Butylbenzene	0.05	nd	nd	nd		nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.05	nd	nd	nd		nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd		nd	nd	nd	nd
Naphthalene	0.05	nd	nd	nd		nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.05	nd	nd	nd		nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.05	nd	nd	nd		nd	nd	nd	nd

*-instrument detection limits

Surrogate recoveries:

Dibromofluoromethane	96%	99%	96%	98%	97%	95%	95%	96%
Toluene-d8	99%	100%	100%	99%	99%	100%	100%	100%
4-Bromofluorobenzene	98%	98%	98%	99%	97%	96%	96%	99%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

8260, mg/kg		MS	MSD	RPD
Matrix	Soil	Soil	Soil	
Date extracted	Reporting	05/31/05	05/31/05	
Date analyzed	Limits	06/06/05	06/06/05	
Moisture, %				
Dichlorodifluoromethane	0.05			
Chloromethane	0.05			
Vinyl chloride	0.01			
Bromomethane	0.05			
Chloroethane	0.05			
Trichlorofluoromethane	0.05			
Acetone	0.50			
1,1-Dichloroethene	0.05	86%	84%	2%
Methylene chloride	0.50			
Methyl-t-butyl ether (MTBE)	0.05			
trans-1,2-Dichloroethene	0.05			
1,1-Dichloroethane	0.05			
2-Butanone (MEK)	0.50			
cis-1,2-Dichloroethene	0.05			
2,2-Dichloropropane	0.05			
Chloroform	0.05			
Bromochloromethane	0.05			
1,1,1-Trichloroethane	0.05			
1,2-Dichloroethane	0.05			
1,1-Dichloropropene	0.05			
Carbon tetrachloride	0.05			
Benzene	0.02	84%	88%	5%
Trichloroethene (TCE)	0.02	83%	87%	5%
1,2-Dichloropropane	0.05			
Dibromomethane	0.05			
Bromodichloromethane	0.05			
4-Methyl-2-pentanone	0.05			
cis-1,3-Dichloropropene	0.05			
Toluene	0.05	85%	88%	3%
trans-1,3-Dichloropropene	0.05			
1,1,2-Trichloroethane	0.05			
2-Hexanone	0.05			
1,3-Dichloropropane	0.05			
Dibromochloromethane	0.05			
Tetrachloroethene (PCE)	0.02			
1,2-Dibromoethane (EDB)(*)	0.005			
Chlorobenzene	0.05	87%	91%	4%
1,1,1,2-Tetrachloroethane	0.05			
Ethylbenzene	0.05			
Xylenes	0.05			
Styrene	0.05			
Bromoform	0.05			
1,1,2,2-Tetrachloroethane	0.05			
Isopropylbenzene	0.05			
1,2,3-Trichloropropane	0.05			
Bromobenzene	0.05			
n-Propylbenzene	0.05			
2-Chlorotoluene	0.05			
4-Chlorotoluene	0.05			
1,3,5-Trimethylbenzene	0.05			
tert-Butylbenzene	0.05			
1,2,4-Trimethylbenzene	0.05			
sec-Butylbenzene	0.05			
1,3-Dichlorobenzene	0.05			
1,4-Dichlorobenzene	0.05			

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

8260, mg/kg		MS	MSD	RPD
Matrix	Soil	Soil	Soil	
Date extracted	Reporting	05/31/05	05/31/05	
Date analyzed	Limits	06/06/05	06/06/05	
Moisture, %				
Isopropyltoluene	0.05			
1,2-Dichlorobenzene	0.05			
n-Butylbenzene	0.05			
1,2-Dibromo-3-Chloropropane	0.05			
1,2,4-Trichlorobenzene	0.05			
Naphthalene	0.05			
Hexachloro-1,3-butadiene	0.05			
1,2,3-Trichlorobenzene	0.05			

*-instrument detection limits

Surrogate recoveries:		
Dibromofluoromethane	93%	96%
Toluene-d8	100%	98%
4-Bromofluorobenzene	98%	97%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50531-1
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

8260, µg/L		MTH BLK	LCS	B65	B63	B59	MS	MSD	RPD
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	
	Reporting								
Date analyzed	Limits	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	
Dichlorodifluoromethane	1.0	nd		nd	nd	nd			
Chloromethane	1.0	nd		nd	nd	nd			
Vinyl chloride	0.2	nd		nd	nd	nd			
Bromomethane	1.0	nd		nd	nd	nd			
Chloroethane	1.0	nd		nd	nd	nd			
Trichlorofluoromethane	1.0	nd		nd	nd	nd			
Acetone	10.0	nd		nd	nd	34			
1,1-Dichloroethene	1.0	nd	77%	nd	nd	nd	76%	75%	1%
Methylene chloride	10.0	nd		nd	nd	nd			
Methyl-t-butyl ether (MTBE)	1.0	nd		nd	nd	nd			
trans-1,2-Dichloroethene	1.0	nd		nd	nd	nd			
1,1-Dichloroethane	1.0	nd		nd	nd	nd			
2-Butanone (MEK)	10.0	nd		nd	nd	nd			
cis-1,2-Dichloroethene	1.0	nd		nd	nd	nd			
2,2-Dichloropropane	1.0	nd		nd	nd	nd			
Chloroform	1.0	nd		nd	nd	nd			
Bromochloromethane	1.0	nd		nd	nd	nd			
1,1,1-Trichloroethane	1.0	nd		nd	nd	nd			
1,2-Dichloroethane	1.0	nd		nd	nd	nd			
1,1-Dichloropropene	1.0	nd		nd	nd	nd			
Carbon tetrachloride	1.0	nd		nd	nd	nd			
Benzene	1.0	nd	94%	nd	nd	nd	95%	92%	3%
Trichloroethene (TCE)	1.0	nd	91%	nd	nd	nd	92%	90%	2%
1,2-Dichloropropane	1.0	nd		nd	nd	nd			
Dibromomethane	1.0	nd		nd	nd	nd			
Bromodichloromethane	1.0	nd		nd	nd	nd			
4-Methyl-2-pentanone	1.0	nd		nd	nd	nd			
cis-1,3-Dichloropropene	1.0	nd		nd	nd	nd			
Toluene	1.0	nd	95%	nd	nd	nd	94%	94%	0%
trans-1,3-Dichloropropene	1.0	nd		nd	nd	nd			
1,1,2-Trichloroethane	1.0	nd		nd	nd	nd			
2-Hexanone	1.0	nd		nd	nd	nd			
1,3-Dichloropropane	1.0	nd		nd	nd	nd			
Dibromochloromethane	1.0	nd		nd	nd	nd			
Tetrachloroethene (PCE)	1.0	nd		nd	nd	nd			
1,2-Dibromoethane (EDB)(*)	0.10	nd		nd	nd	nd			
Chlorobenzene	1.0	nd	98%	nd	nd	nd	98%	98%	0%
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd	nd			
Ethylbenzene	1.0	nd		nd	nd	nd			
Xylenes	1.0	nd		nd	nd	nd			
Styrene	1.0	nd		nd	nd	nd			
Bromoform	1.0	nd		nd	nd	nd			
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd	nd			
Isopropylbenzene	1.0	nd		nd	nd	nd			
1,2,3-Trichloropropane	1.0	nd		nd	nd	nd			
Bromobenzene	1.0	nd		nd	nd	nd			
n-Propylbenzene	1.0	nd		nd	nd	nd			
2-Chlorotoluene	1.0	nd		nd	nd	nd			
4-Chlorotoluene	1.0	nd		nd	nd	nd			
1,3,5-Trimethylbenzene	1.0	nd		nd	nd	nd			
tert-Butylbenzene	1.0	nd		nd	nd	nd			
1,2,4-Trimethylbenzene	1.0	nd		nd	nd	nd			
sec-Butylbenzene	1.0	nd		nd	nd	nd			
1,3-Dichlorobenzene	1.0	nd		nd	nd	nd			
1,4-Dichlorobenzene	1.0	nd		nd	nd	nd			
Isopropyltoluene	1.0	nd		nd	nd	nd			
1,2-Dichlorobenzene	1.0	nd		nd	nd	nd			
n-Butylbenzene	1.0	nd		nd	nd	nd			
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd	nd			
1,2,4-Trichlorobenzene	1.0	nd		nd	nd	nd			
Naphthalene	1.0	nd		nd	nd	nd			
Hexachloro-1,3-butadiene	1.0	nd		nd	nd	nd			
1,2,3-Trichlorobenzene	1.0	nd		nd	nd	nd			

*-instrument detection limits

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50531-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

8260, µg/L		MTH BLK	LCS	B65	B63	B59	MS	MSD	RPD
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	
	Reporting								
Date analyzed	Limits	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	05/31/05	
Surrogate recoveries:									
Dibromofluoromethane		101%	100%	102%	100%	101%	98%	97%	
Toluene-d8		101%	100%	98%	99%	99%	98%	99%	
4-Bromofluorobenzene		98%	98%	97%	96%	95%	96%	98%	

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN NORTHWEST CHEMISTRY LABORATORY

FIRCREST RETAIL PROJECT
2119 Mildred, Washington
Kleinfelder

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb) EPA 7420 (mg/kg)	Cadmium (Cd) EPA 7130 (mg/kg)	Chromium (Cr) EPA 7190 (mg/kg)	Arsenic (As) EPA 7061 (mg/kg)	Silver (Ag) EPA 7760 (mg/kg)	Barium (Ba) EPA 7080 (mg/kg)	Selenium (Se) EPA 7741 (mg/kg)	Mercury (Hg) EPA 7471 (mg/kg)
Method Blank	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B59-2@5'	6/4/05	15	nd	7.9	nd	nd	nd	nd	nd
B61-2@5'	6/4/05	nd	nd	6.7	nd	nd	nd	nd	nd
B62-2@5'	6/4/05	8.0	nd	nd	nd	nd	nd	nd	nd
B60-2@5'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B65-1@2.5'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B65-7@15'	6/4/05	12	nd	6.5	nd	nd	nd	nd	nd
B64-4@8.5'	6/4/05	12	nd	5.3	nd	nd	nd	nd	nd
B64-6@15'	6/4/05	15	nd	5.9	nd	nd	nd	nd	nd
B63-2@5'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B63-6@15'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B57-2@5'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B58-4@10'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
Method Detection Limits		5	1	5	5	20	500	50	0.5

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY:Matthew Sebonia

ESN NORTHWEST CHEMISTRY LABORATORY

FIRCREST RETAIL PROJECT
2119 Mildred, Washington
Kleinfelder

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb) EPA 7420 (mg/kg)	Cadmium (Cd) EPA 7130 (mg/kg)	Chromium (Cr) EPA 7190 (mg/kg)	Arsenic (As) EPA 7061 (mg/kg)	Silver (Ag) EPA 7760 (mg/kg)	Barium (Ba) EPA 7080 (mg/kg)	Selenium (Se) EPA 7741 (mg/kg)	Mercury (Hg) EPA 7471 (mg/kg)
Method Blank	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B58-5@12.5	6/4/05	14	nd	8.4	nd	nd	nd	nd	nd
B70-2@5.0	6/4/05	nd	nd	5.5	nd	nd	nd	nd	nd
B70-9@22.5	6/4/05	8.0	nd	nd	nd	nd	nd	nd	nd
B69-4@11.5	6/4/05	26	nd	nd	nd	nd	nd	nd	nd
B69-9@22.5	6/4/05	60	nd	nd	15	nd	nd	nd	nd
B68-8@20	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B68-8@20 Dup.	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B68-2@5'	6/4/05	13	nd	nd	nd	nd	nd	nd	nd
B68-2@5' Dup.	6/4/05	11	nd	nd	nd	nd	nd	nd	nd
B67-4@12'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B67-6@15'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B66-2@5'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B66-9@22.5	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B66-9@22.5 Dup.	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
Method Detection Limits		5	1	5	5	20	500	50	0.5

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY:Matthew Sebonia

ESN NORTHWEST CHEMISTRY LABORATORY

FIRCREST RETAIL PROJECT
2119 Mildred, Washington
Kleinfelder

QA/QC Data - Total Metals EPA-7000 Series Analyses

Sample Number: B66-9@22.5

	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	250	249	100	250	262	105	5.09
Cadmium	25.0	24.4	98	25.0	23.4	94	4.18
Chromium	250	206	82	250	199	80	3.46
Arsenic	250	219	88	250	228	91	4.03

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead	250	246	98
Cadmium	25.0	23.6	94
Chromium	250	244	98
Arsenic	250	248	99

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY:Matthew Sebonia

STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
128149-1	B65	05-26-05 11:45	Liquid
128149-2	B63	05-26-05 15:00	Liquid

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B65
Lab ID:	128149-01
Date Received:	6/1/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	5

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	ND	0.0025	
Barium	0.022	0.0025	
Cadmium	ND	0.0025	
Chromium	ND	0.0025	
Lead	ND	0.0025	
Selenium	ND	0.0025	
Silver	ND	0.0025	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B65
Lab ID:	128149-01
Date Received:	6/1/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B63
Lab ID:	128149-02
Date Received:	6/1/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	5

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	0.0179	0.0025	
Barium	0.132	0.0025	
Cadmium	ND	0.0025	
Chromium	0.00359	0.0025	
Lead	ND	0.0025	
Selenium	0.00365	0.0025	
Silver	ND	0.0025	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B63
Lab ID:	128149-02
Date Received:	6/1/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Lab ID:	Method Blank - DP1286
Date Received:	-
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	ND	0.0005	
Barium	ND	0.0005	
Cadmium	ND	0.0005	
Chromium	ND	0.0005	
Lead	ND	0.0005	
Selenium	ND	0.0005	
Silver	ND	0.0005	

STL Seattle

Lab ID:	Method Blank - ZD372
Date Received:	-
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Matrix Spike Report

Client Sample ID:	TMW-4
Lab ID:	128154-01
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	DP1286

Dissolved Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Arsenic	0.0143	4	3.98	99	
Barium	0.013	4	4.11	103	
Cadmium	0	0.1	0.103	103	
Chromium	0	0.4	0.408	102	
Lead	0	1	1.07	107	
Selenium	0	4	3.84	96	
Silver	0	0.6	0.562	94	

STL Seattle

Matrix Spike Report

Client Sample ID:	B70
Lab ID:	128179-04
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	ZD372

Dissolved Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Mercury	0	0.002	0.00178	89	

STL Seattle

Duplicate Report

Client Sample ID:	TMW-4
Lab ID:	128154-01
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	DP1286

Dissolved Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Arsenic	0.014	0.014	0.0	
Barium	0.013	0.013	0.0	
Cadmium	0	0	NC	
Chromium	0	0	NC	
Lead	0	0	NC	
Selenium	0	0	NC	
Silver	0	0	NC	

STL Seattle

Duplicate Report

Client Sample ID:	B70
Lab ID:	128179-04
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	ZD372

Dissolved Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Mercury	0	0	NC	

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

X8: Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

ESN NORTHWEST | Environmental Services Network

550531-1

CHAIN-OF-CUSTODY RECORD

CLIENT: Kleinfelder

ADDRESS: 2405 140th Ave NE Bellevue WA 98005

PHONE: ~~206~~ 245-562-4200 FAX: 245-562-4201

CLIENT PROJECT #: 56130 PROJECT MANAGER: Ted Sykes

DATE: 5/27/05 PAGE 1 OF 3

PROJECT NAME: Fircrest, retail

LOCATION: 2119 Mildred

COLLECTOR: Dana Divine DATE OF COLLECTION 5/26/05

Sample Number	Depth	Time	Sample Type	Date Container Type	ANALYSES: VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel) ext.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	Methamphetamine	Pb	Hex Chrome	Metals	VOA 5035/8260	NOTES	Total Number of Containers	Laboratory Note Number
1. B59-2@5'	5'	900	S	5/26/05						✓	✓									✓	✓			2	
2. B61-2@5'	5'	945	S	↓						✓	✓									-	✓			2	
3. B62-2@5'	5'	1030	S							✓	✓									✓	✓			2	
4. B60-2@5'	5'	1115	S							✓	✓									✓	✓			2	
5. B65-1@2.5'	2.5	1120								✓	✓									✓	✓			2	
6. B65-7@15'	15'	1130								✓	✓									✓	✓			2	
7. B64-4@~~10~~ 8.5'	~~10~~ 8.5'	1330								✓	✓									✓	✓			2	
8. B64-6@15'	15'	1345								✓	✓									✓	✓			2	
9. B63-2@5'	5'	1430								✓	✓									✓	✓			2	
10. B63-6@15'	15'	1445		↓						✓	✓									✓	✓			2	
11. B57-2@5'	5'	740		5/27/05						✓	✓									✓	✓			2	
12. B58-4@10'	10'	900								✓	✓									✓	✓			2	
13. B58-5@12.5	12.5	815								✓	✓									✓	✓			2	
14. B70-2@5.0	5'	1015								✓	✓									✓	✓			2	
15. B70-9@22.5	22.5	1030								✓	✓									✓	✓			2	
16. B69-4@11.5	11.5'	1530								✓	✓									✓	✓			2	
17. B69-9@22.5	22.5'	1550								✓	✓									✓	✓			2	
18. B68-8@20	20'	1510	↓	↓						✓	✓									✓	✓			2	

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Dana Divine	5/31/05	[signature]	9:30 5/31
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:
Metals:
As Cr Se
Ba Pb Ag
Cd Hg

Turn Around Time: 24 HR 48 HR (5 DAY)

ESN NORTHWEST | Environmental Services Network

550531 - 1

CHAIN-OF-CUSTODY RECORD

CLIENT: Kleinfelder

ADDRESS: 2405 140th Ave NE Bellevue WA 98005

PHONE: 425 562 4200 FAX: 425 562 4201

CLIENT PROJECT #: 56130 PROJECT MANAGER: Ted Sykes

DATE: 5/27/05 PAGE 2 OF 3

PROJECT NAME: 2119 Mildred

LOCATION: Fircrest retail

COLLECTOR: Dana DNine DATE OF COLLECTION 5/26/05

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel) ext	TPH 8015 (d & o)	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	Methamphetamine	Pb	Hex Chrome	Metals diss		NOTES	Total Number of Containers	Laboratory Note Number
1. B65	-	11:45	W	5/26/05	✓		✓			✓	✓										✓			lab filter metals	7	
2. B63	-	1500	W	5/26/05	✓		✓			✓	✓										✓			lab filter metals	7	
3. B59	-	1530	W	5/26/05	✓		✓			✓	✓										~~✓~~			lab filter metals	4	
4.					✓						VOA										~~✓~~	AS			-	
5.																										
6.																								For B63		
7.																								metals priority list:		
8.																										
9.																								1) Pb		
10.																								2) As		
11.																								3) Hg		
12.																								4) Cr		
13.																								5) Ba		
14.																								6) Cd		
15.																								7) Se		
16.																								8) Ag		
17.																										
18.																										

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Dana DNine	5/31/05	[signature]	5/31/05
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:

Diss metals:

As Cr Se

Cd Pb Ag

Ba Hg

ash ted metals

Turn Around Time: 24 HR 48 HR (5 DAY)

ESN NORTHWEST | Environmental Services Network

S50531-1

CHAIN-OF-CUSTODY RECORD

CLIENT: Kleinfelder

ADDRESS: 2405 140th Ave NE Bellevue WA 98005

PHONE: 425 562 4200 FAX: 425 562 4201

CLIENT PROJECT #: 56130 PROJECT MANAGER: Ted Sykes

DATE: 5/27/05 PAGE 3 OF 3

PROJECT NAME: Fircrest retail

LOCATION: 2119 Mildred

COLLECTOR: Dana Devine DATE OF COLLECTION 5/26/05

Sample Number	Depth	Time	Sample Type	Container-Type	ANALYSES: VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel) (Si gel)	TPH 8015 (d & o)	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	Methamphetamine	Pb	Hex Chrome	Metals VOA 5035 or 8260	NOTES	Total Number of Containers	Laboratory Note Number
1. B68-2@5'	5'	1500	S	5/27/05					✓	✓											✓	✓		2	
2. B67-4@12'	12'	1440	↓	↓					✓	✓											✓	✓		2	
3. B67-6@15'	15	1445							✓	✓											✓	✓		2	
4. B66-2@5'	5'	1345							✓	✓											✓	✓		2	
5. B66-9@22.5	22.5	1415	↓	↓					✓	✓											✓	✓		2	
6.																									
7.																									
8.																									
9.																									
10.																									
11.																									
12.																									
13.																									
14.																									
15.																									
16.																									
17.																									
18.																									

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Dana Devine	5/31/05	[signature]	5/31/05
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:

Metals:
As Cr Sc
Ba Pb Ag
Cd Hg

Turn Around Time: 24 HR 48 HR 5 DAY

56130

ESN NORTHWEST | Environmental Services Network

June 14, 2005

Ted Sykes
Kleinfelder
2405 140th Avenue NE
Suite A101
Bellevue, WA 98005-1877

Dear Mr. Sykes:

Please find enclosed the analytical data report from the Fircrest Retail Project site in Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, VOC's by Method 8260, and RCRA 8 Metals by Method 7000 series on June 3 – 6, 2005.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Kleinfelder for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A Korosec

Michael A. Korosec
President

1210 Eastside Street SE, Suite 200 ▪ Olympia, Washington 98501 ▪ 360.459.4670 ▪ FAX 360.459.3432
Web Site: *www.esnnw.com* E-Mail: *info@esnnw.com*

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50601-2
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	B71-2@5'	B72-1@1'	B73-1@1'	B74-1@1'	B75-1@1'	B76-1@1'	DUP B76-1@1'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting		06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Moisture, %			7%	11%	9%	8%	11%	5%	5%
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:									
Fluorobiphenyl		104%	103%	101%	100%	102%	102%	104%	103%
o-Terphenyl		84%	97%	98%	101%	100%	99%	98%	99%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50601-2
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

NWTPH-Gx, mg/kg		MTH BLK	B71-2@5'	B72-1@1'	B73-1@1'	B74-1@1'	B75-1@1'	B76-1@1'	DUP B76-1@1'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting		06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Moisture, %			7%	11%	9%	8%	11%	5%	5%
Mineral spirits/Stoddard solvent	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	nd	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:									
Fluorobiphenyl		104%	103%	101%	100%	102%	102%	104%	103%
o-Terphenyl		84%	97%	98%	101%	100%	99%	98%	99%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50601-2
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results

8260, mg/kg		MTH BLK	LCS	B71-2@5'	B72-1@1'	B73-1@1'	B74-1@1'	B75-1@1'	B76-1@1'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting			06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/06/05	06/06/05	06/07/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05
Moisture, %				7%	11%	9%	8%	11%	5%
Dichlorodifluoromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Chloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Vinyl chloride	0.01	nd		nd	nd	nd	nd	nd	nd
Bromomethane	0.05	nd		nd	nd	nd	nd	nd	nd
Chloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Acetone	0.50	nd		nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	83%	nd	nd	nd	nd	nd	nd
Methylene chloride	0.50	nd		nd	nd	nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	0.05	nd		nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd		nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
2-Butanone (MEK)	0.50	nd		nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd		nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Chloroform	0.05	nd		nd	nd	nd	nd	nd	nd
Bromochloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.05	nd		nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.05	nd		nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	93%	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	93%	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Dibromomethane	0.05	nd		nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
4-Methyl-2-pentanone	0.05	nd		nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.05	nd		nd	nd	nd	nd	nd	nd
Toluene	0.05	nd	95%	nd	nd	nd	nd	nd	nd
trans-1,3-Dichloropropene	0.05	nd		nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
2-Hexanone	0.05	nd		nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.05	nd		nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd		nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)(*)	0.005	nd		nd	nd	nd	nd	nd	nd
Chlorobenzene	0.05	nd	96%	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
Xylenes	0.05	nd		nd	nd	nd	nd	nd	nd
Styrene	0.05	nd		nd	nd	nd	nd	nd	nd
Bromoform	0.05	nd		nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd		nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
Bromobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.05	nd		nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.05	nd		nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd
Naphthalene	0.05	nd		nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.05	nd		nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	0.05	nd		nd	nd	nd	nd	nd	nd

*-instrument detection limits

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50601-2
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results

8260, mg/kg		MTH BLK	LCS	B71-2@5'	B72-1@1'	B73-1@1'	B74-1@1'	B75-1@1'	B76-1@1'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting			06/01/05	06/01/05	06/01/05	06/01/05	06/01/05	06/01/05
Date analyzed	Limits	06/06/05	06/06/05	06/07/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05
Moisture, %				7%	11%	9%	8%	11%	5%

Surrogate recoveries:									
Dibromofluoromethane		96%	98%	95%	96%	95%	96%	95%	92%
Toluene-d8		100%	99%	100%	98%	99%	99%	100%	102%
4-Bromofluorobenzene		98%	99%	97%	98%	98%	98%	99%	100%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50601-2
Client: KLEINFELDER
Client Job Name: FIRCREST, RETAIL
Client Job Number: 56130

Analytical Results		B76-1@1'	B76-1@1'	
8260, mg/kg		**MS**	**MSD**	**RPD**
Matrix	Soil	Soil	Soil	
Date extracted	Reporting	06/01/05	06/01/05	
Date analyzed	Limits	06/06/05	06/06/05	
Moisture, %				
Dichlorodifluoromethane	0.05			
Chloromethane	0.05			
Vinyl chloride	0.01			
Bromomethane	0.05			
Chloroethane	0.05			
Trichlorofluoromethane	0.05			
Acetone	0.50			
1,1-Dichloroethene	0.05	86%	84%	2%
Methylene chloride	0.50			
Methyl-t-butyl ether (MTBE)	0.05			
trans-1,2-Dichloroethene	0.05			
1,1-Dichloroethane	0.05			
2-Butanone (MEK)	0.50			
cis-1,2-Dichloroethene	0.05			
2,2-Dichloropropane	0.05			
Chloroform	0.05			
Bromochloromethane	0.05			
1,1,1-Trichloroethane	0.05			
1,2-Dichloroethane	0.05			
1,1-Dichloropropene	0.05			
Carbon tetrachloride	0.05			
Benzene	0.02	84%	88%	5%
Trichloroethene (TCE)	0.02	83%	87%	5%
1,2-Dichloropropane	0.05			
Dibromomethane	0.05			
Bromodichloromethane	0.05			
4-Methyl-2-pentanone	0.05			
cis-1,3-Dichloropropene	0.05			
Toluene	0.05	85%	88%	3%
trans-1,3-Dichloropropene	0.05			
1,1,2-Trichloroethane	0.05			
2-Hexanone	0.05			
1,3-Dichloropropane	0.05			
Dibromochloromethane	0.05			
Tetrachloroethene (PCE)	0.02			
1,2-Dibromoethane (EDB)(*)	0.005			
Chlorobenzene	0.05	87%	91%	4%
1,1,1,2-Tetrachloroethane	0.05			
Ethylbenzene	0.05			
Xylenes	0.05			
Styrene	0.05			
Bromoform	0.05			
1,1,2,2-Tetrachloroethane	0.05			
Isopropylbenzene	0.05			
1,2,3-Trichloropropane	0.05			
Bromobenzene	0.05			
n-Propylbenzene	0.05			
2-Chlorotoluene	0.05			
4-Chlorotoluene	0.05			
1,3,5-Trimethylbenzene	0.05			
tert-Butylbenzene	0.05			
1,2,4-Trimethylbenzene	0.05			
sec-Butylbenzene	0.05			
1,3-Dichlorobenzene	0.05			
1,4-Dichlorobenzene	0.05			
Isopropyltoluene	0.05			
1,2-Dichlorobenzene	0.05			
n-Butylbenzene	0.05			
1,2-Dibromo-3-Chloropropane	0.05			
1,2,4-Trichlorobenzene	0.05			
Naphthalene	0.05			
Hexachloro-1,3-butadiene	0.05			
1,2,3-Trichlorobenzene	0.05			

*-instrument detection limits

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50601-2
Client:	KLEINFELDER
Client Job Name:	FIRCREST, RETAIL
Client Job Number:	56130

Analytical Results		B76-1@1'	B76-1@1'	
8260, mg/kg		**MS**	**MSD**	**RPD**
Matrix	Soil	Soil	Soil	
Date extracted	Reporting	06/01/05	06/01/05	
Date analyzed	Limits	06/06/05	06/06/05	
Moisture, %				

Surrogate recoveries:		
Dibromofluoromethane	93%	96%
Toluene-d8	100%	98%
4-Bromofluorobenzene	98%	97%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN NORTHWEST CHEMISTRY LABORATORY

FIRCREST RETAIL PROJECT
2119 Mildred, Washington
Kleinfelder

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb) EPA 7420 (mg/kg)	Cadmium (Cd) EPA 7130 (mg/kg)	Chromium (Cr) EPA 7190 (mg/kg)	Arsenic (As) EPA 7061 (mg/kg)	Silver (Ag) EPA 7760 (mg/kg)	Barium (Ba) EPA 7080 (mg/kg)	Selenium (Se) EPA 7741 (mg/kg)	Mercury (Hg) EPA 7471 (mg/kg)
Method Blank	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B71-2@5'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B72-1@1'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B73-1@1'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B74-1@1'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
B75-1@1'	6/4/05	8.7	nd	nd	nd	nd	nd	nd	nd
B75-1@1' Dup.	6/4/05	13	nd	nd	nd	nd	nd	nd	nd
B76-1@1'	6/4/05	nd	nd	nd	nd	nd	nd	nd	nd
Method Detection Limits		5	1	5	5	20	500	50	0.5

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY:Matthew Sebonia

ESN NORTHWEST CHEMISTRY LABORATORY

FIRCREST RETAIL PROJECT
2119 Mildred, Washington
Kleinfelder

QA/QC Data - Total Metals EPA-7000 Series Analyses

Sample Number: B75-1@1'

	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	250	259	104	250	261	104	0.77
Cadmium	25.0	21.9	88	25.0	23.3	93	6.19
Chromium	250	185	74	250	204	82	9.77
Arsenic	250	218	87	250	216	86	0.92

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead	250	246	98
Cadmium	25.0	22.9	92
Chromium	250	230	92
Arsenic	250	250	100

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY:Matthew Sebonia

ESN NORTHWEST | Environmental Services Network

S50601-2

CHAIN-OF-CUSTODY RECORD

CLIENT: Kleinfelder

ADDRESS: 2405 140th Ave NE Bellevue WA 98005

PHONE: 425-562-4200 FAX: 425-562 4201

CLIENT PROJECT #: 56130 PROJECT MANAGER: Ted Sykes

DATE: 6/1/05 PAGE 1 OF 1

PROJECT NAME: Fircrest Retail

LOCATION: 2119 Mildred

COLLECTOR: D. DiVinc DATE OF COLLECTION 5/31/05

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel) ext	TPH 8015 (d & o)	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	Methamphetamine	Pb	Hex Chrome	total metals		NOTES	Total Number of Containers	Laboratory Note Number
1. B71 - 2.5'	5'	1110	S					✓		✓	✓										✓				2	
2. B72 - 10.0	1'	1145	S					✓		✓	✓										✓				2	
3. B73 - 10.0'	1'	1245	S					✓		✓	✓										✓				2	
4. B74 - 1 - 1'	1'	1300	S					✓		✓	✓										✓				2	
5. B75 - 10.1'	1'	1330	S					✓		✓	✓										✓				2	
6. B76 - 10.0	1'	1350	S					✓		✓	✓										✓				2	
7.																										
8.																										
9.																										
10.																										
11.																										
12.																										
13.																										
14.																										
15.																										
16.																										
17.																										
18.																										

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	6/1/05	[signature]	6/1/05 955
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)

56130

ESN NORTHWEST | Environmental Services Network

June 14, 2005

Ted Sykes
Kleinfelder
2405 140th Avenue NE
Suite A101
Bellevue, WA 98005-1877

Dear Mr. Sykes:

Please find enclosed the analytical data report from the Fircrest Retail Project site in Washington. Water samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, VOC's by Method 8260, and RCRA 8 Metals by Method 6000 & 7000 series on June 3 – 7, 2005.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Kleinfelder for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A Korosec

Michael A. Korosec
President

1210 Eastside Street SE, Suite 200 ▪ Olympia, Washington 98501 ▪ 360.459.4670 ▪ FAX 360.459.3432
Web Site: *www.esnnw.com* E-Mail: *info@esnnw.com*

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50602-1
Client: KLEINFELDER
Client Job Name: FIRCREST PHASE II
Client Job Number: 56130

Analytical Results

NWTPH-Dx, mg/l		MTH BLK	B66	B68	B69	B70	QC SAMPLE	DUP QC SAMPLE
Matrix	Water	Water	Water	Water	Water	Water	Water	Water
Date extracted	Reporting	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Kerosene/Jet fuel	0.20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	0.20	nd	nd	nd	nd	nd	nd	nd
Heavy oil	0.50	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:								
Fluorobiphenyl		103%	100%	100%	98%	99%	110%	105%
o-Terphenyl		101%	99%	99%	101%	99%	109%	105%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50602-1
Client: KLEINFELDER
Client Job Name: FIRCREST PHASE II
Client Job Number: 56130

Analytical Results

NWTPH-Gx, mg/l		MTH BLK	B66	B68	B69	B70	QC SAMPLE	DUP QC SAMPLE
Matrix	Water	Water	Water	Water	Water	Water	Water	Water
Date extracted	Reporting	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Date analyzed	Limits	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05	06/03/05
Mineral spirits/Stoddard solvent	0.10	nd	nd	nd	nd	nd	nd	nd
Gasoline	0.10	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:								
Fluorobiphenyl		103%	100%	100%	98%	99%	110%	105%
o-Terphenyl		101%	99%	99%	101%	99%	109%	105%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50602-1
Client: KLEINFELDER
Client Job Name: FIRCREST PHASE II
Client Job Number: 56130

Analytical Results

8260, µg/L		MTH BLK	LCS	B66	B68	B69	B70
Matrix	Water	Water	Water	Water	Water	Water	Water
	Reporting						
Date analyzed	Limits	06/07/05	06/07/05	06/07/05	06/07/05	06/07/05	06/07/05
Dichlorodifluoromethane	1.0	nd		nd	nd	nd	nd
Chloromethane	1.0	nd		nd	nd	nd	nd
Vinyl chloride	0.2	nd		nd	nd	nd	nd
Bromomethane	1.0	nd		nd	nd	nd	nd
Chloroethane	1.0	nd		nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd		nd	nd	nd	nd
Acetone	10.0	nd		nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	85%	nd	nd	nd	nd
Methylene chloride	10.0	nd		nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	1.0	nd		nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd		nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd		nd	nd	nd	nd
2-Butanone (MEK)	10.0	nd		nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	nd		nd	nd	nd	nd
2,2-Dichloropropane	1.0	nd		nd	nd	nd	nd
Chloroform	1.0	nd		nd	nd	nd	nd
Bromochloromethane	1.0	nd		nd	nd	nd	nd
1,1,1-Trichloroethane	1.0	nd		nd	nd	nd	nd
1,2-Dichloroethane	1.0	nd		nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd		nd	nd	nd	nd
Carbon tetrachloride	1.0	nd		nd	nd	nd	nd
Benzene	1.0	nd	88%	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	86%	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd		nd	nd	nd	nd
Dibromomethane	1.0	nd		nd	nd	nd	nd
Bromodichloromethane	1.0	nd		nd	nd	nd	nd
4-Methyl-2-pentanone	1.0	nd		nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd		nd	nd	nd	nd
Toluene	1.0	nd	91%	nd	nd	nd	nd
trans-1,3-Dichloropropene	1.0	nd		nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd		nd	nd	nd	nd
2-Hexanone	1.0	nd		nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd		nd	nd	nd	nd
Dibromochloromethane	1.0	nd		nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd		nd	nd	nd	nd
1,2-Dibromoethane (EDB)(*)	0.10	nd		nd	nd	nd	nd
Chlorobenzene	1.0	nd	92%	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd	nd	nd
Ethylbenzene	1.0	nd		nd	nd	nd	nd
Xylenes	1.0	nd		nd	nd	nd	nd
Styrene	1.0	nd		nd	nd	nd	nd
Bromoform	1.0	nd		nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd	nd	nd
Isopropylbenzene	1.0	nd		nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd		nd	nd	nd	nd
Bromobenzene	1.0	nd		nd	nd	nd	nd
n-Propylbenzene	1.0	nd		nd	nd	nd	nd
2-Chlorotoluene	1.0	nd		nd	nd	nd	nd
4-Chlorotoluene	1.0	nd		nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd		nd	nd	nd	nd
tert-Butylbenzene	1.0	nd		nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd		nd	nd	nd	nd
sec-Butylbenzene	1.0	nd		nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd		nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd		nd	nd	nd	nd
Isopropyltoluene	1.0	nd		nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd		nd	nd	nd	nd
n-Butylbenzene	1.0	nd		nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd	nd	nd
1,2,4-Trichlorobenzene	1.0	nd		nd	nd	nd	nd
Naphthalene	1.0	nd		nd	nd	nd	nd
Hexachloro-1,3-butadiene	1.0	nd		nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd		nd	nd	nd	nd

*-Instrument detection limits

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50602-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST PHASE II
Client Job Number:	56130

Analytical Results

8260, µg/L		MTH BLK	LCS	B66	B68	B69	B70
Matrix	Water	Water	Water	Water	Water	Water	Water
	Reporting						
Date analyzed	Limits	06/07/05	06/07/05	06/07/05	06/07/05	06/07/05	06/07/05

Surrogate recoveries:

Dibromofluoromethane	99%	98%	101%	100%	102%	100%
Toluene-d8	100%	99%	100%	99%	99%	100%
4-Bromofluorobenzene	98%	98%	100%	98%	97%	98%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S50602-1
Client: KLEINFELDER
Client Job Name: FIRCREST PHASE II
Client Job Number: 56130

Analytical Results		B70	B70	
8260, µg/L		**MS**	**MSD**	**RPD**
Matrix	Water	Water	Water	
	Reporting			
Date analyzed	Limits	06/07/05	06/07/05	
Dichlorodifluoromethane	1.0			
Chloromethane	1.0			
Vinyl chloride	0.2			
Bromomethane	1.0			
Chloroethane	1.0			
Trichlorofluoromethane	1.0			
Acetone	10.0			
1,1-Dichloroethene	1.0	90%	92%	2%
Methylene chloride	10.0			
Methyl-t-butyl ether (MTBE)	1.0			
trans-1,2-Dichloroethene	1.0			
1,1-Dichloroethane	1.0			
2-Butanone (MEK)	10.0			
cis-1,2-Dichloroethene	1.0			
2,2-Dichloropropane	1.0			
Chloroform	1.0			
Bromochloromethane	1.0			
1,1,1-Trichloroethane	1.0			
1,2-Dichloroethane	1.0			
1,1-Dichloropropene	1.0			
Carbon tetrachloride	1.0			
Benzene	1.0	93%	95%	2%
Trichloroethene (TCE)	1.0	90%	90%	0%
1,2-Dichloropropane	1.0			
Dibromomethane	1.0			
Bromodichloromethane	1.0			
4-Methyl-2-pentanone	1.0			
cis-1,3-Dichloropropene	1.0			
Toluene	1.0	95%	95%	0%
trans-1,3-Dichloropropene	1.0			
1,1,2-Trichloroethane	1.0			
2-Hexanone	1.0			
1,3-Dichloropropane	1.0			
Dibromochloromethane	1.0			
Tetrachloroethene (PCE)	1.0			
1,2-Dibromoethane (EDB)(*)	0.10			
Chlorobenzene	1.0	96%	97%	1%
1,1,1,2-Tetrachloroethane	1.0			
Ethylbenzene	1.0			
Xylenes	1.0			
Styrene	1.0			
Bromoform	1.0			
1,1,2,2-Tetrachloroethane	1.0			
Isopropylbenzene	1.0			
1,2,3-Trichloropropane	1.0			
Bromobenzene	1.0			
n-Propylbenzene	1.0			
2-Chlorotoluene	1.0			
4-Chlorotoluene	1.0			
1,3,5-Trimethylbenzene	1.0			
tert-Butylbenzene	1.0			
1,2,4-Trimethylbenzene	1.0			
sec-Butylbenzene	1.0			
1,3-Dichlorobenzene	1.0			
1,4-Dichlorobenzene	1.0			
Isopropyltoluene	1.0			
1,2-Dichlorobenzene	1.0			
n-Butylbenzene	1.0			
1,2-Dibromo-3-Chloropropane	1.0			
1,2,4-Trichlorobenzene	1.0			
Naphthalene	1.0			
Hexachloro-1,3-butadiene	1.0			
1,2,3-Trichlorobenzene	1.0			

*-instrument detection limits

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number:	S50602-1
Client:	KLEINFELDER
Client Job Name:	FIRCREST PHASE II
Client Job Number:	56130

Analytical Results		B70	B70	
8260, µg/L		**MS**	**MSD**	**RPD**
Matrix	Water	Water	Water	
	Reporting			
Date analyzed	Limits	06/07/05	06/07/05	

Surrogate recoveries:		
Dibromofluoromethane	99%	101%
Toluene-d8	100%	98%
4-Bromofluorobenzene	98%	98%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
J - estimated quantitation, below listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
128179-1	B66	06-01-05 14:15	Liquid
128179-2	B68	06-01-05 14:30	Liquid
128179-3	B69	06-01-05 15:40	Liquid
128179-4	B70	06-01-05 15:00	Liquid

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B66
Lab ID:	128179-01
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	5

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	ND	0.0025	
Barium	0.109	0.0025	
Cadmium	ND	0.0025	
Chromium	ND	0.0025	
Lead	ND	0.0025	
Selenium	0.00259	0.0025	
Silver	ND	0.0025	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B66
Lab ID:	128179-01
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B68
Lab ID:	128179-02
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	5

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	0.00267	0.0025	
Barium	0.155	0.0025	
Cadmium	ND	0.0025	
Chromium	0.00505	0.0025	
Lead	ND	0.0025	
Selenium	ND	0.0025	
Silver	ND	0.0025	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B68
Lab ID:	128179-02
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B69
Lab ID:	128179-03
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	5

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	0.00411	0.0025	
Barium	0.214	0.0025	
Cadmium	ND	0.0025	
Chromium	ND	0.0025	
Lead	ND	0.0025	
Selenium	ND	0.0025	
Silver	ND	0.0025	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B69
Lab ID:	128179-03
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B70
Lab ID:	128179-04
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	5

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	0.00947	0.0025	
Barium	0.151	0.0025	
Cadmium	ND	0.0025	
Chromium	ND	0.0025	
Lead	ND	0.0025	
Selenium	ND	0.0025	
Silver	ND	0.0025	

STL Seattle

Client Name	ESN Northwest, Inc.
Client ID:	B70
Lab ID:	128179-04
Date Received:	6/2/2005
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Lab ID:	Method Blank - DP1286
Date Received:	-
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	Flags
Arsenic	ND	0.0005	
Barium	ND	0.0005	
Cadmium	ND	0.0005	
Chromium	ND	0.0005	
Lead	ND	0.0005	
Selenium	ND	0.0005	
Silver	ND	0.0005	

STL Seattle

Lab ID:	Method Blank - ZD372
Date Received:	-
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	Flags
Mercury	ND	0.0002	

STL Seattle

Matrix Spike Report

Client Sample ID:	TMW-4
Lab ID:	128154-01
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	DP1286

Dissolved Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Arsenic	0.0143	4	3.98	99	
Barium	0.013	4	4.11	103	
Cadmium	0	0.1	0.103	103	
Chromium	0	0.4	0.408	102	
Lead	0	1	1.07	107	
Selenium	0	4	3.84	96	
Silver	0	0.6	0.562	94	

STL Seattle

Matrix Spike Report

Client Sample ID:	B70
Lab ID:	128179-04
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	ZD372

Dissolved Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Mercury	0	0.002	0.00178	89	

STL Seattle

Duplicate Report

Client Sample ID:	TMW-4
Lab ID:	128154-01
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	DP1286

Dissolved Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Arsenic	0.014	0.014	0.0	
Barium	0.013	0.013	0.0	
Cadmium	0	0	NC	
Chromium	0	0	NC	
Lead	0	0	NC	
Selenium	0	0	NC	
Silver	0	0	NC	

STL Seattle

Duplicate Report

Client Sample ID:	B70
Lab ID:	128179-04
Date Prepared:	6/3/2005
Date Analyzed:	6/3/2005
QC Batch ID:	ZD372

Dissolved Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Mercury	0	0	NC	

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

X8: Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

ESN NORTHWEST | Environmental Services Network

S50602-1

CHAIN-OF-CUSTODY RECORD

CLIENT: Kleinfelder

ADDRESS: 2405 140th Ave NE Bellevue WA 98005

PHONE: 425-562-4200 FAX: 425-562 4206

CLIENT PROJECT #: 56130 PROJECT MANAGER: Ted Sykes

DATE: 6/2/05 PAGE 1 OF 1

PROJECT NAME: Fivecrest Phase II

LOCATION: 2119 Mildred

COLLECTOR: Dana Divine DATE OF COLLECTION 6/1

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel) ext	TPH 8015 (d & o)	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	Methamphetamine	Pb	Hex Chrome	RCRA 8 Metals	NOTES	Total Number of Containers	Laboratory Note Number
1. B66	-	1415	✓				✓			✓	✓										✓		lab filter metals	5	
2. B68	-	1430	↓				✓			✓	✓										✓			7	
3. B69	-	1540					✓			✓	✓										✓			7	
4. B70	-	1500					✓			✓	✓										✓			7	
5.																									
6.																									
7.																									
8.																									
9.																									
10.																									
11.																									
12.																									
13.																									
14.																									
15.																									
16.																									
17.																									
18.																									

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Dana Divine	6/2/05		6/2/05 9:1
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: Limited Sample B66

Turn Around Time: 24 HR 48 HR (5 DAY)

[Date]

[Name of Third-Party Representative]
[Third-Party's Full and Formal Name]
[Third-Party's Address]

Re: Agreement Concerning Release of Report
Report Number [Report Number]

Dear [Name of Third-Party Representative]:

The attached report was prepared pursuant to a specific scope of service and written contract between [Name of Kleinfelder's Client], (Client) and Kleinfelder, Inc., (Kleinfelder) dated [Date of Contract]. Client has given us permission to release the report to you. You may rely on this report as though it were addressed to you at the time of the issuance for a period of six months from the date of issuance, with the express understanding that Kleinfelder shall not be responsible for problems arising from events or changes that may have occurred subsequent to our preparation of said report.

This reliance letter is expressly contingent upon your acceptance of the General Terms and Conditions attached hereto and actual payment of $[Amount]. Your payment shall also indicate your acceptance of the attached General Terms and Conditions which include a provision limiting Kleinfelder's liability, whether such liability arises in breach of contract or warranty, tort (including negligence), strict or statutory liability, or any other cause of action, to the maximum extent permitted by law. This reliance letter shall be void in the event your acceptance and said consideration is not received within seven days of the above date.

Sincerely,

Kleinfelder, Inc.

[Name of Kleinfelder Representative]
[Representative's Title]

Attachments: Report
General Terms and Conditions

[Name of Third-Party Representative]
[Third-Party's Full and Formal Name]
[Third-Party's Address]

I acknowledge and accept the Letter Agreement Concerning Release of Report dated _____ regarding Report No. _____, including the attached General Terms and Conditions, and remit payment of the consideration in the amount of $_____.

_____ _____

[Name and Title] **Date**