

Field Brief – Mt. Baker Cleaners, 2864 S. McClellan St, Seattle

To: Aspect Field Representative – Kristin Beck
From: Aspect Project Team – Jessica Smith, Dave Cook, Ali Cochrane
Date: February 18, 2017
Billing: 160324, Task 4
Subject: Field Brief for environmental explorations, MBHA, Mt. Baker Cleaners

FIELDWORK AND PROJECT SNAPSHOT

Project Name:	Mt Baker Housing Authority (MBHA)	Fieldwork Date:	02.18.2016, 7:30am
Client:	MBHA	Project Manager:	Jessica Smith
Owner:	MBHA	Principal/Associate:	Dave Cook
Job Number:	160324, Task 4	Field Representative:	Kristin Beck
File Storage for Field Prep and Reports:	S:\Mt Baker Housing_McClellan\Data\Field Data\Explorations - Mt. Baker Cleaners, 02.18.2016	Budgeted Field Hours:	12 for soil/grab gw sampling and 10 for soil vapor sampling
Boring Numbers:	AB-1 through AB-6 (see attached site plan). If groundwater is encountered in AB-5 a permanent GW Monitoring well will be installed.	Environmental Sampling:	-Soil for VOCs using 5035 -Potentially 1 groundwater sample at AB-5.
Sample Intervals:	2.5-foot interval to base of boring, which should be 10-15' bgs or refusal (whichever comes first).	Sample Nomenclature:	Environmental Soil Samples: AB-boring ID-sample ID-top of sampler depth Ex: AB-1-1-7.5 Groundwater Sample: AB-1-GW-date
Field Brief Attachments:	-Site Plan proposed boring locations and numbering -HASP -Utility locate request -Site plan and boring logs from 2010 drilling	Special Considerations:	-Will need to bring lights for boring AB-6 and possibly AB-4. -Field screen using water sheen and PID -Start at location AB-1, located within the footprint of the machine. -Conduct air monitoring using PID

PROJECT DESCRIPTION

Project Location

The address is 2864 S. McClellan Street and the building is an active dry cleaner. Four of the borings are located in the active business portion of the building and two are located in an adjacent vacant space. See attached site plan for proposed boring locations and numbering.

The business owner, Mr. Kim, is replacing his dry cleaning machine that requires PCE with a non-PCE machine. The old machine is being removed from the property and the new machine is being installed Saturday morning. We have a small window of opportunity at 8am to complete a boring in the footprint of the dry cleaning machine before the new one is installed.

Purpose of Field Explorations and Office Analysis

Our client, MBHA, owns the dry cleaner property and the adjacent properties. Chlorinated solvents have been detected in soil and groundwater at the Mt. Baker Cleaners property and to the southeast. The purpose of our soil borings is to obtain soil samples to evaluate the lateral and vertical extent of the PCE contamination and obtain analytical results to designate the soil as either contaminated, dangerous waste or contained-in dangerous waste.

Confidentiality or Sensitivity of Project

The presence of the contamination is public knowledge.

HEALTH AND SAFETY CONSIDERATIONS

Conduct a safety briefing prior to beginning work – make sure everyone has the appropriate PPE and understands that they have stop-work authority if threat to safety or property damage is observed.

It is possible that high concentrations of PCE will be encountered in soil beneath the building. Conduct air-monitoring of your air space during the completion of the drilling. See attached health and safety plan.

DETAILS OF FIELD EXPLORATION PLAN

Overhead and underground utility conditions

- Approximate borings are shown on the attached site plan and photos.
- One-call locates have been called in (Ticket Number 17039996).
- Private locate with APS for conductibles will occur at 7:30 am on Saturday February 18, 2017. Kristin will accompany APS.

Anticipated subsurface conditions based on results of research/site visit/nearby projects

Based on the boring logs from borings completed in 2010 in the vacant portion of the building (attached), approximately 3 feet of sand is present overlying clay. Groundwater is anticipated between approximately 10 and 15 feet below the ground surface.

SCHEDULE

The borings will be completed by Standard Environmental Probe using a hand operated direct-push drill rig to depths of approximately 10-15 feet below the ground surface (or as deep as possible).

Saturday, February 18, 2017

7:30 am – Meet APS on site. The owner, Mr. Kim, should be there to let you in.

- **Concrete:** Most of the boring locations are in concrete. Standard will blow through the concrete using the drill rig. The concrete for all the borings except AB-5 and AB-6 needs to be repaired following completion of the borings to prevent trip hazards.
- **Drilling Sequence:** Start at AB-1 then move to AB-3 so we can get out of the way as quickly as possible for the installation of the new machine.
- **AB-4** is located at a higher elevation than the rest of the borings. Drill as deep as possible in this location. You may want to bring portable lights to this location.
- **AB-5** should be completed as a permanent groundwater monitoring well if we can reach a depth of about 15 or 16 feet bgs. Install the well with 10 feet of screen. If you have time on Saturday develop the well prior to leaving the site. If not, we'll schedule the development and sampling for the following week.
- **AB-6** is in a vacant and unlit portion of the building. **You will need portable lights for this boring.** Chris will bring some, but if you have access to any you should bring some also.

ENVIRONMENTAL SOIL SAMPLING

Lab/Container delivery

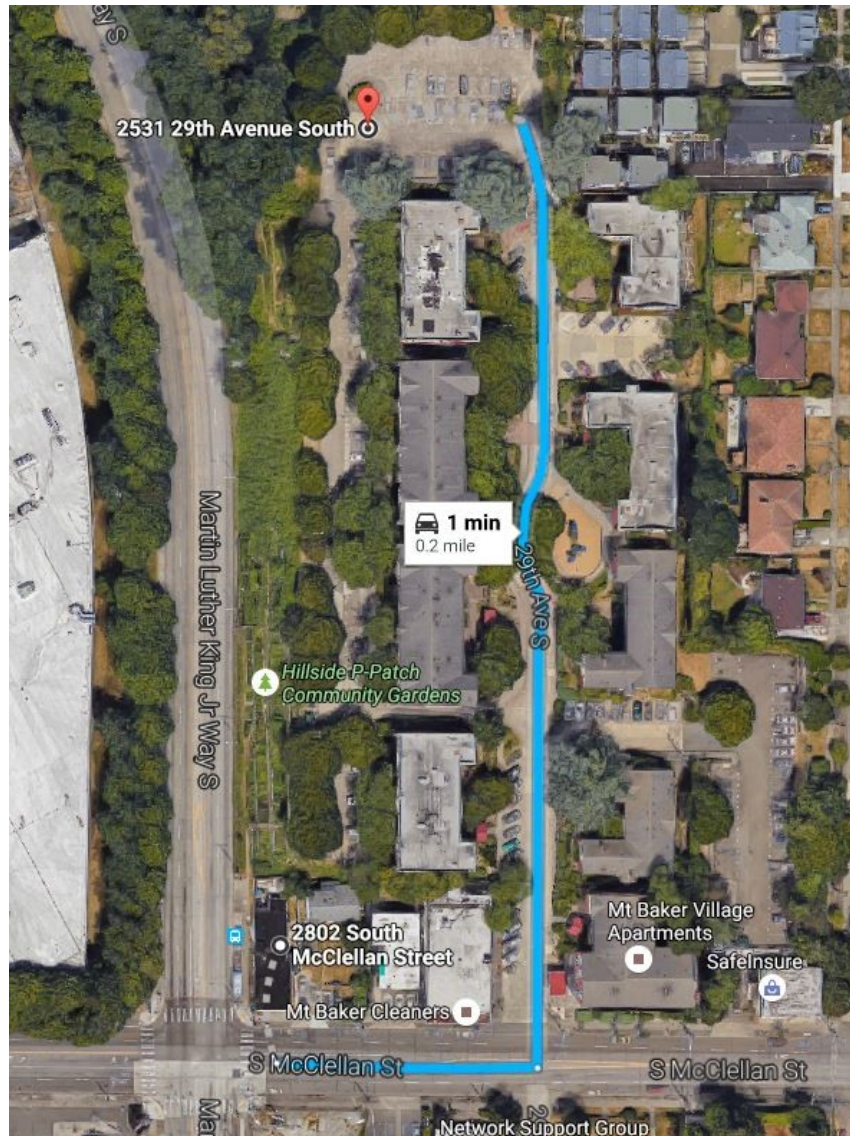
- Environmental soil sample containers for soil and groundwater will be delivered by Friedman & Bruya. **Please coordinate directly with them for delivery location/time.**
- **Submit soil samples on HOLD to F&B and email Jessica your field logs and COCs.** Jessica will review the logs and select samples to be submitted.

Field Screening and Sampling Methods

- Complete field screening using water sheen testing and a PID. Record field screening (including any unusual odors or staining) on the boring logs.
- Obtain samples for volatiles at every sample interval using 5035 sampling methods in addition to the 4-oz jar(s).
- Obtain a sample directly above and below the water table (if encountered).
- Change gloves between samples to prevent cross-contamination.
- Decon samplers between samples to prevent cross-contamination.

Investigative Derived Waste

- Place all drill cuttings and decon water into 55-gallon drums **labeled with the boring IDs**. Ask the drillers to move the drum to the drum storage location shown on the image below. Please write in your field report how many drums you generated and how many drums are now present in the storage area.



MONITORING WELL INSTALLATION AND DEVELOPMENT

- If AB-5 can be completed to about 15-16' bgs then complete the boring as a permanent groundwater monitoring well with about 10' of screen.
- If you have time develop the well on Saturday.

DOCUMENTATION

- **Email your field boring logs and COCs to Jessica at the end the day.** I will review and select soil samples for chemical analysis.
- Prepare a TO SCALE site plan showing boring locations and obtain coordinates for each of the boring locations (or use Folcrum to mark locations).
- Prepare one field report consisting of report, COCs, logs, site plan, driller info, etc. **Be sure to include the number of water and soil drums generated during the work in your field report.**
- Take pictures of the site prior to beginning work, during work and at the end of every day. Include key photos in the field report and upload remaining photos to the project file.

REQUIRED COMMUNICATIONS WITH PROJECT MANAGER

Contact Dave or Jessica during the drilling and before moving to the next boring location and leaving site to confirm that objectives are met and that information is complete. Contact PM or P/A if anything of importance or unusual occurs during drilling.

SUBCONTRACTOR INFORMATION

Subcontractor	Contact Person	Phone Number	Meeting Time/Location
APS		425.888.2590	7:30 am
Standard Environmental	Chris Ross	360.918.4586	8:00 am
F&B	Eric Young	(206)285-8282	--

CONTACT INFORMATION

Person	Company	Phone Number
Jessica Smith	Aspect	206.423.8289
Dave Cook	Aspect	206.372.7637
Sam Yun	Mr. Kim's relative (English and Korean speaking)	253.906.5928

END OF DRILLING CHECKLIST

- Is information complete enough for preparation of site plan?
- Are boring locations numbered and dimensioned from existing improvements shown on exploration plan or site plan?
- If elevation on exploration log, how was it determined? Datum?

- Are logs filled out completely?
- Have you taken pictures of the site?
- Have you called Jessica during and at completion of job?

FIELD EQUIPMENT NEEDED (KEY ITEMS – MORE THINGS ARE LIKELY NEEDED)

- Laboratory provided bottleware, 5035 sampling handle, chain of custody forms, sample labels
- Open reel measuring tape or survey wheel (for measuring location of exploration)
- Grease pencil for marking boring locations
- Drum labels
- Field screening tools: sheen pan, DI water, PID, soil sample bags.
- Boring logs
- Site plan (attached)
- PPE
- Groundwater sampling equipment
- Portable lights

Aspect Consulting Proposed Boring Locations, Added 02.13.2017. See following pages for additional detail

AB-4, upper hallway area near former UST

AB-3, Open area near drum

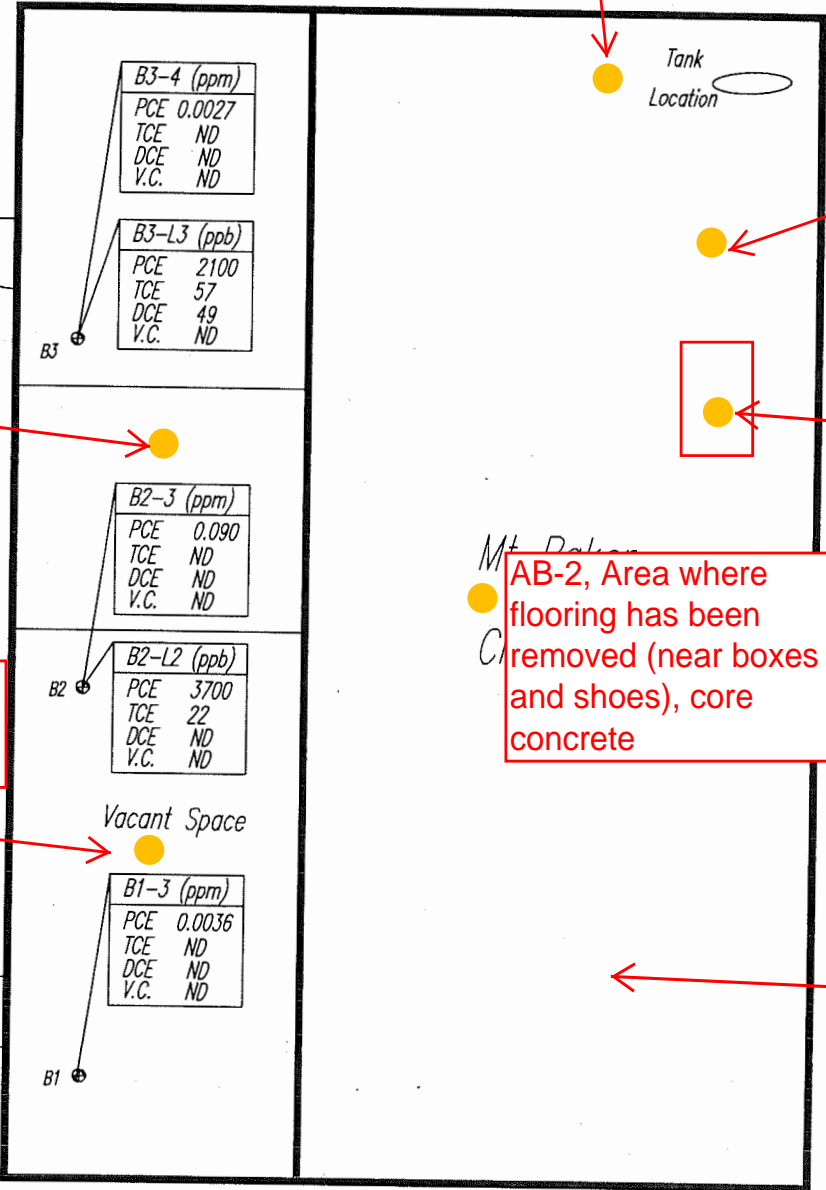
AB-6, will need portable lights

AB-1, dry cleaning machine footprint, core concrete

AB-5, if possible, install a 15' MW in this location

AB-2, Area where flooring has been removed (near boxes and shoes), core concrete

Store front and reception area



Legend:
⊕ Sampling Location

Not to Scale



KEE, LLC
P.O. Box 2532, Redmond, WA 98073-2532
(206)914-4989 (P), (425)836-0463 (F)

Site Plan
Mt Baker Cleaners
Seattle, WA

File Number:
MC052410-001

Sample Date:
May 24, 2010

Figure 2





AB-1, within the footprint of the dry cleaning machine



AB-2, the area where the wood flooring has been removed



AB-3, open area near the waste drum



AB-4, hallway near former UST



AB-5, middle of the first room in the vacant area



AB-6, middle of the second room or hallway in the vacant area

From: wa@occinc.com
To: [Ali Cochrane](#)
Subject: Ticket: 17039996
Date: Wednesday, February 15, 2017 5:15:41 PM

WASHINGTON UTILITY NOTIFICATION CENTER

DO NOT REPLY TO THIS EMAIL

Washington Ticket#: 17039996 **2 FULL BUSINESS DAYS** UPDATE
Update Of Tkt No: 17034314
Transmit Date: 2/15/17 Time: 5:15 PM
Original Call Date: 2/15/17 Time: 4:40 PM Type: WEB
Work to Begin Date: 2/18/17 Time: 7:00 AM

Caller Information

Company: ASPECT CONSULTING LLC Type: NON-MEMBER
Contact Name: ALI COCHRANE Phone: (206) 838-6594
Alt. Contact: JESSICA SMITH Phone: (206) 838-6580
Best Time: Fax:
Address: 401 2ND AVE S SUITE 201; SEATTLE, WA 98101
Caller Email: acochrane@aspectconsulting.com

Dig Site Information

Type of Work: DRILLING INSIDE MT BAKER CLEANERS BUILDING
Work Being Done For: ASPECT CONSULTING

Dig Site Location

County: KING State: WA
Place: SEATTLE
Address / Street: 2864 S MCCLELLAN ST
Nearest Intersection: 29TH AVE S

Location of Work:

DRILLING INSIDE THE MT BAKER CLEANERS BUILDING AT 2864 S MCCLELLAN ST. NO WORK IN SIDEWALKS OR ROWS.

Remarks:

Map Twp: 24N Rng: 4E Sect-Qtr: 9-SE,44-SE-NE

Excavation Coordinates for # Polygons: 1

Poly 1: NW Lat: 47.5789217 Lon: -122.2956164 SE Lat: 47.5781706 Lon: -122.2949429

Members Notified

District	Company	Marking Concerns	Customer Service	Repair
ATS01	AMERICAN TRAFFIC SOLUTIONS	(866)682-8689	(631)242-4100	(631)242-4100
KCMTRO01	KING CNTY METRO SEWER	(206)477-4742	(206)263-3700	(206)263-3840
PUGG03	PUGET SOUND ENERGY GAS	(800)778-9140	(888)225-5773	(888)225-5773
QLNWA16	CTLQL-CENTURYLINK	(800)778-9140	(800)283-4237	(800)573-1311
SEACL01	SEATTLE CITY LIGHT	(206)684-4239	(206)684-4239	(206)684-3000
SEAH2001	SEATTLE PUBLIC UTILITIES-WATER	(206)386-1849	(206)386-1800	(206)386-1800
SEASIG01	SEATTLE D.O.T.	(206)391-3718	(206)386-1206	(206)386-1206
SEAWW01	SEATTLE PUBLIC UTILITIES- DWW	(206)386-1849	(206)684-3000	

Excavator Responsibilities

- * Please click on the following link to verify and confirm that the area covered represents the correct and complete work site area.
[Link To Map for C_EMAIL](#)

- * If the area covered is incomplete or inaccurate, it is your responsibility to notify the center immediately to update and correct the locate. Failure to do so could result in a delay or an incomplete utility locate.

- * Any other utilities or notification centers not listed, you will need to contact separately.



Tank
Location 

<i>B3-4 (ppm)</i>	
<i>PCE</i>	<i>0.0027</i>
<i>TCE</i>	<i>ND</i>
<i>DCE</i>	<i>ND</i>
<i>V.C.</i>	<i>ND</i>

<i>B3-L3 (ppb)</i>	
<i>PCE</i>	<i>2100</i>
<i>TCE</i>	<i>57</i>
<i>DCE</i>	<i>49</i>
<i>V.C.</i>	<i>ND</i>

B3

<i>B2-3 (ppm)</i>	
<i>PCE</i>	<i>0.090</i>
<i>TCE</i>	<i>ND</i>
<i>DCE</i>	<i>ND</i>
<i>V.C.</i>	<i>ND</i>

<i>B2-L2 (ppb)</i>	
<i>PCE</i>	<i>3700</i>
<i>TCE</i>	<i>22</i>
<i>DCE</i>	<i>ND</i>
<i>V.C.</i>	<i>ND</i>

B2

Vacant Space

<i>B1-3 (ppm)</i>	
<i>PCE</i>	<i>0.0036</i>
<i>TCE</i>	<i>ND</i>
<i>DCE</i>	<i>ND</i>
<i>V.C.</i>	<i>ND</i>

B1

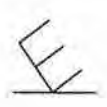
*Mt Baker
Cleaner*

28th Ave

So. McClellan St

Legend:
⊕ Sampling Location

Not to Scale



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Site Plan
Mt Baker Cleaners
Seattle, WA

File Number:
MC052410-001
Sample Date:
May 24, 2010
Figure 2

B1

SAMPLE DATA					SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Location	Sampler Type	Blows/Foot	FID (ppm)	Graphic Symbol	USCS Symbol	Sampling Method : <u>Hand Auger</u> Ground Elevation (ft) : <u>No Reference</u> Sampled By : <u>KEE, LLC</u> Sampling Completion on : <u>5/24/10</u>	Water Level	Monitoring Well on site: <u>No</u>
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		Hand Auger		0		SP-SM	Brown, fine to medium SAND with silt, micaceous, non-plastic (loose, dry to moist) (no odor) (hydraulic fill)		

Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Refer to "Unified Soil Classification System" for explanation of graphics and symbols.

LEGEND:
 Sampling Location
 Water Table

	KEE, LLC P.O. Box 2532, Redmond, WA 98073-2532 (206)914-4989 (P), (425)836-0463 (F)	Log of Boring B1 Mt Baker Cleaners Seattle, WA	File Number: MC052410-001 Sampling Date: May 24, 2010 Figure B1
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B2

SAMPLE DATA					SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Location	Sampler Type	Blows/Foot	FID (ppm)	Graphic Symbol	USCS Symbol	Sampling Method : <u>Hand Auger</u> Ground Elevation (ft) : <u>No Reference</u> Sampled By : <u>KEE, LLC</u> Sampling Completion on : <u>5/24/10</u>	Water Level	Monitoring Well on site: <u>Yes</u>
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		Hand Auger		0		SP-SM	<p><i>Brown, fine to medium SAND with silt, micaceous, non-plastic (loose, dry to moist) (no odor) (hydraulic fill)</i></p>		<p style="font-size: small;">Locking waterproof well seal in flush-mounted monument</p> <p style="font-size: small;">Concrete</p> <p style="font-size: small;">Bentonite chips</p> <p style="font-size: small;">10/20 Colorado sand pack</p> <p style="font-size: small;">3/4-inch diameter, schedule 40 PVC screen (0.020-inch slot size), with Pre-Pack filter</p> <p style="font-size: small;">Threaded end cap</p>
						CL-CH	<p><i>Dark Brown, fine to medium Clay with sand, silty clay, plastic (dense, moist to wet) (no odor)</i></p>		

Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Refer to "Unified Soil Classification System" for explanation of graphics and symbols.

LEGEND:

- Sampling Location
- Water Table


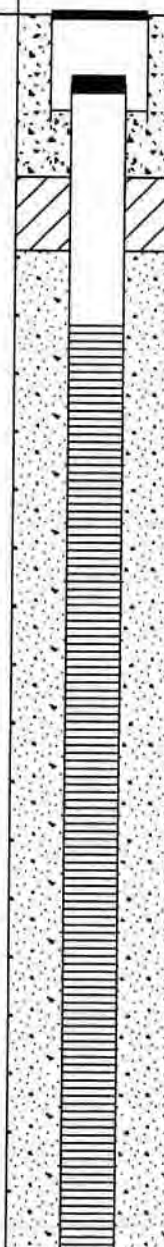







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Log of Boring B2
Mt Baker Cleaners
Seattle, WA



File Number: MC052410-001
Sampling Date: May 24, 2010
Figure B2

B3

SAMPLE DATA					SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Location	Sampler Type	Blows/Foot	FID (ppm)	Graphic Symbol	USCS Symbol	Sampling Method : <u>Hand Auger</u> Ground Elevation (ft) : <u>No Reference</u> Sampled By : <u>KEE, LLC</u> Sampling Completion on : <u>5/24/10</u>	Water Level	Monitoring Well on site: <u>Yes</u>
0									Locking waterproof well seal in flush-mounted monument
1									Concrete
2									Bentonite chips
3	 <i>Hand Auger</i>			0		SP-SM	<i>Brown, fine to medium SAND with silt, micaceous, non-plastic (loose, dry to moist) (no odor) (hydraulic fill)</i>		
4									10/20 Colorado sand pack
5									
6									
7									
8									
9									
10									
11									
12									
13									3/4-inch diameter, schedule 40 PVC screen (0.020-inch slot size), with Pre-Pack filter
14						CL-CH	<i>Dark Brown, fine to medium Clay with sand, silty clay, plastic (dense, moist to wet) (no odor)</i>		Threaded end cap
15									

Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Refer to "Unified Soil Classification System" for explanation of graphics and symbols.

LEGEND:

-  Sampling Location
-  Water Table



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Log of Boring B3
Mt Baker Cleaners
Seattle, WA

File Number: MC052410-001
Sampling Date: May 24, 2010
Figure B3