APPENDIX A BORING LOGS

INTERIM ACTION WORK PLAN Block 38 West Property 500 through 536 Westlake Avenue North Seattle, Washington

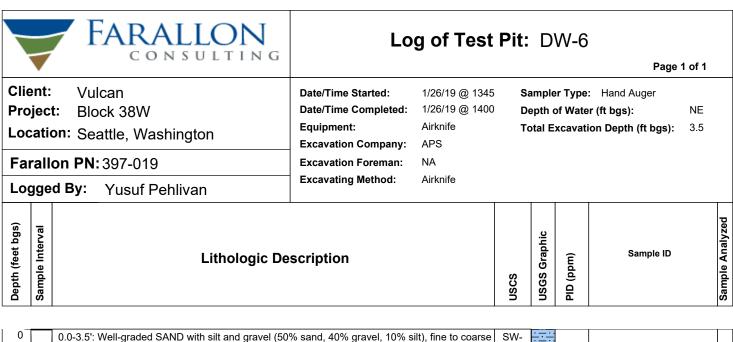
Farallon PN: 397-019



2.9

3.2

Depth (feet bgs)	Sample Interval	Lithologic Description	nscs	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.8': Concrete.	СО				
-		0.8-3.2': Well graded SAND with silt and gravel, fine to coarse sand, fine and coarse gravel, brown, moist, wet at 2.9' bgs, no odor. Railroad tie and woody debris found at 3.2' bgs. Water fills test pit.	SW- SM				
_							



0	0.0-3.5': Well-graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to coarse sand, fine and coarse gravel, dark brown, moist, no odor, trace rock, brick, metal and wood debris. 3.5' bgs old metal pope encountered, unable to advance further.	SW- SM			
-					
-					
-					
-					
5_					



Page 1 of 2

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

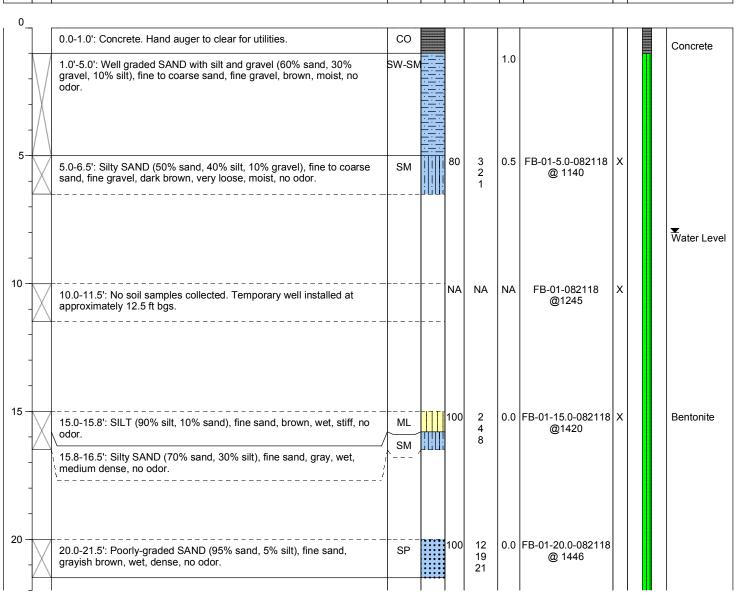
08/21/2018 @ 1126 Sampler Type: 1.5 Split Spoon Date/Time Started:

08/21/2018 @ 1540 Drive Hammer (lbs.): 140 **Date/Time Completed:**

Depth of Water ATD (ft bgs): MiniTrack 8.0 **Equipment:**

Drilling Company: Total Boring Depth (ft bgs): 41.5 Geologic Drilling Total Well Depth (ft bgs): Blaine Gibson **Drilling Foreman:** NA

Drilling Method: Hollow Stem Auger



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Top of Casing Elevation (ft): NA NA Casing Diameter (inches): Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 2 of 2

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

08/21/2018 @ 1126 Sampler Type: 1.5 Split Spoon

08/21/2018 @ 1540 Drive Hammer (lbs.):

140 8.0

Equipment: MiniTrack **Drilling Company:**

Geologic Drilling

Depth of Water ATD (ft bgs): Total Boring Depth (ft bgs): 41.5

Drilling Foreman:

Blaine Gibson

Total Well Depth (ft bgs): NA

Drilling Method: Hollow Stem Auger

Blow Counts 8/8/8 Sample Analyzed Depth (feet bgs.) Sample Interval **USCS Graphic** % Recovery Boring/Well (mdd) **Lithologic Description** Construction Sample ID **Details** 吕



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Casing Diameter (inches): Top of Casing Elevation (ft): NA NA Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Lithologic Description

Log of Boring: FB-02

Page 1 of 2

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Sample Interval

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

08/20/2018 @ 1045 Sampler Type: 1.5 Split Spoon

08/20/2018 @ 1545 Drive Hammer (lbs.):

Sample ID

140 10.0

Equipment:

Mini-track

Depth of Water ATD (ft bgs):

Drilling Company: Drilling Foreman:

Geologic Drilling Blaine Gibson

Total Boring Depth (ft bgs): 41.5 Total Well Depth (ft bgs): NA

Drilling Method:

Hollow Stem Auger

USCS Graphic

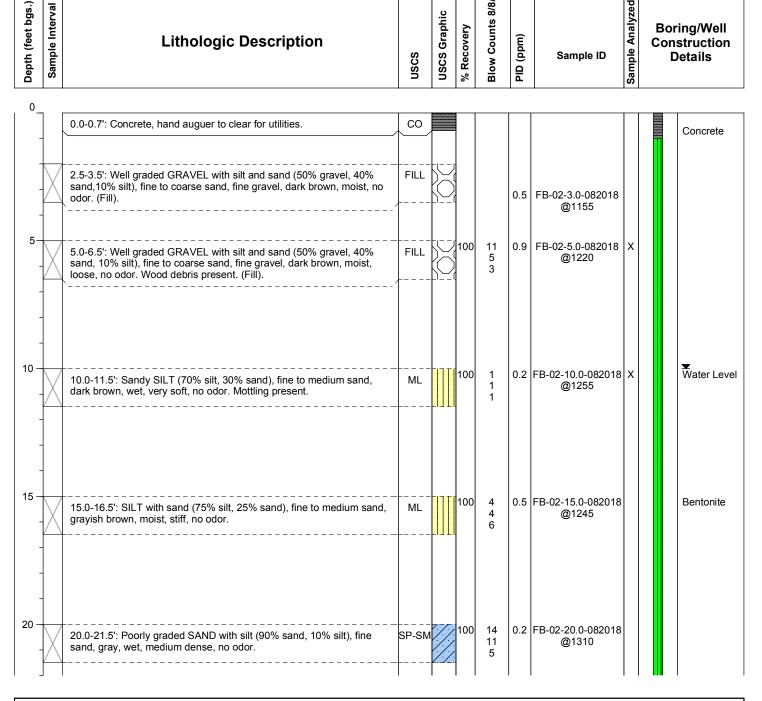
Recovery

Counts

<u></u>8

(mdd)

Boring/Well Construction **Details**



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Top of Casing Elevation (ft): NA Casing Diameter (inches): NA Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 2 of 2

140

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

Equipment:

Lithologic Description

08/20/2018 @ 1045 Sampler Type: 1.5 Split Spoon

Sample ID

08/20/2018 @ 1545 Drive Hammer (lbs.):

Mini-track

(mdd)

Depth of Water ATD (ft bgs): 10.0 Total Boring Depth (ft bgs): 41.5

Drilling Company: Geologic Drilling **Drilling Foreman:**

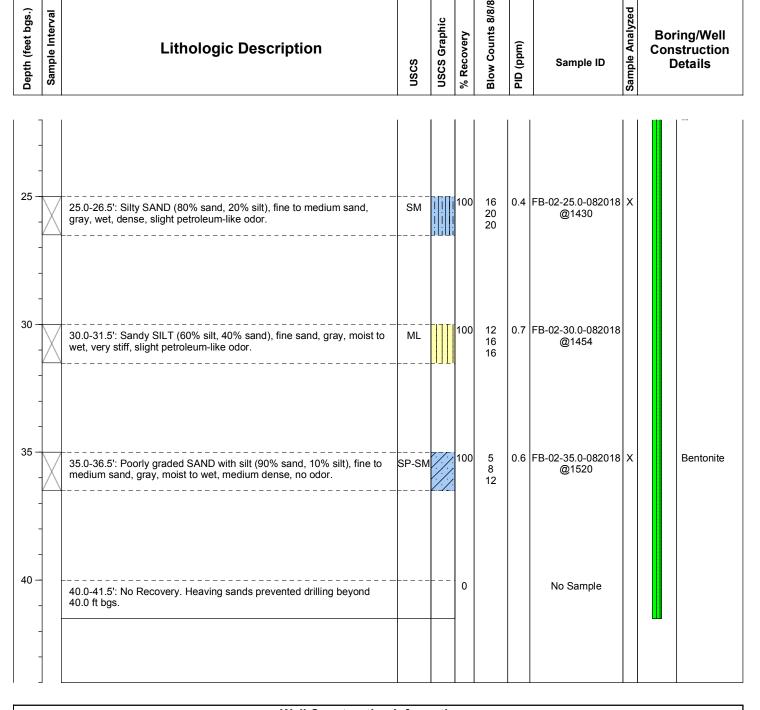
Drilling Method:

Blaine Gibson

Total Well Depth (ft bgs): NA

Hollow Stem Auger

Boring/Well Construction **Details**



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Casing Diameter (inches): Top of Casing Elevation (ft): NA NA Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 1 of 2

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Sample Interval

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

Equipment:

Drilling Company:

Drilling Foreman:

Blaine Gibson

08/23/2018 @ 1200 Sampler Type: 1.5 Split Spoon 140

08/23/2018 @ 1540 Drive Hammer (lbs.):

17.0

Mini-track Geologic Drilling Depth of Water ATD (ft bgs): Total Boring Depth (ft bgs):

Total Well Depth (ft bgs):

41.5 NA

Drilling Method: Hollow Stem Auger

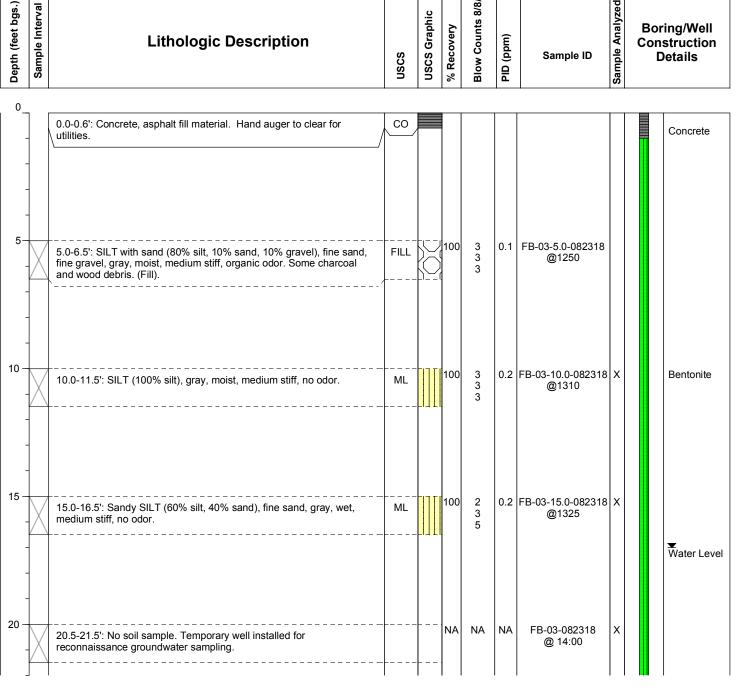
low Counts 8/8/8 **Lithologic Description**

USCS Graphic Recovery

(mdd) 吕

Sample ID

Boring/Well Construction **Details**



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Top of Casing Elevation (ft): NA NA Casing Diameter (inches): Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 2 of 2

140

17.0

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

08/23/2018 @ 1200 Sampler Type: 1.5 Split Spoon

08/23/2018 @ 1540 Drive Hammer (lbs.):

Mini-track

Depth of Water ATD (ft bgs):

Drilling Company: Drilling Foreman:

Drilling Method:

Equipment:

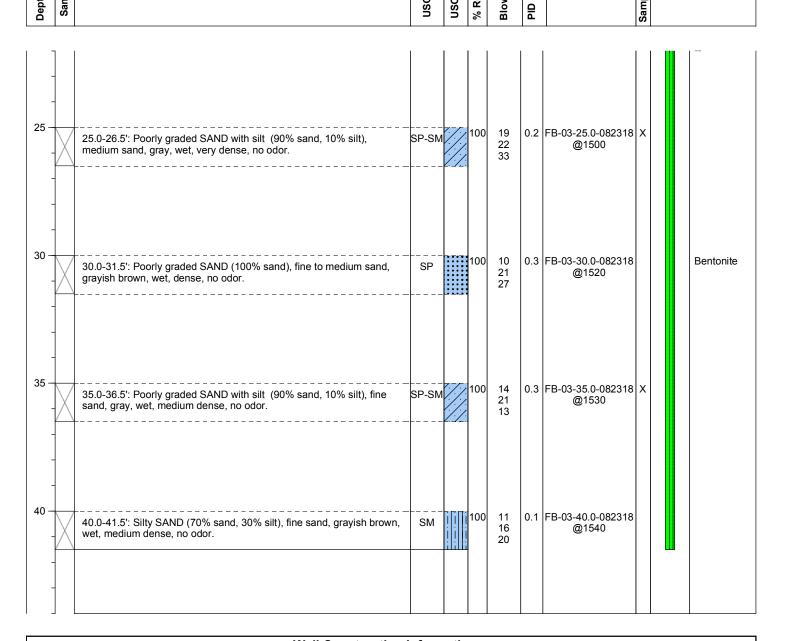
Geologic Drilling Blaine Gibson

Total Boring Depth (ft bgs): 41.5 Total Well Depth (ft bgs):

Hollow Stem Auger

NA

Blow Counts 8/8/8 Sample Analyzed Depth (feet bgs.) Sample Interval **USCS Graphic** % Recovery Boring/Well (mdd) **Lithologic Description** Construction Sample ID **Details**



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Casing Diameter (inches): Top of Casing Elevation (ft): NA NA Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 1 of 1

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: Date/Time Completed:

Equipment:

Drilling Foreman:

08/21/2018 @ 0645 Sampler Type: 1.5 Split Spoon

140 08/21/2018 @ 0900 Drive Hammer (lbs.):

Mini-track Depth of Water ATD (ft bgs): **Drilling Company:**

Geologic Drilling Blaine Gibson

Total Boring Depth (ft bgs): 33.0 Total Well Depth (ft bgs):

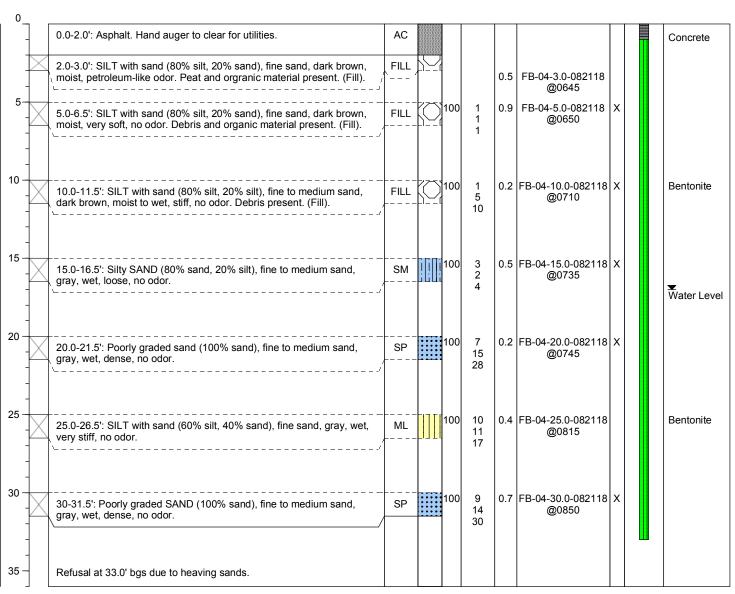
Hollow Stem Auger

NA

17.0

Drilling Method:

Sample Analyzed Depth (feet bgs.) Sample Interval **USCS Graphic** Counts Boring/Well Recovery (mdd) **Lithologic Description** Construction Sample ID **Details** <u></u>8 吕



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Top of Casing Elevation (ft): NA Casing Diameter (inches): NA Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment: Bentonite** Y: NA



Page 1 of 2

City Investors IX LLC Client:

Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Sample Interval

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

08/22/2018 @ 0815 Sampler Type: 1.5 Split Spoon

08/22/2018 @ 1140 Drive Hammer (lbs.):

140 17.0

Equipment:

Mini-track

Depth of Water ATD (ft bgs):

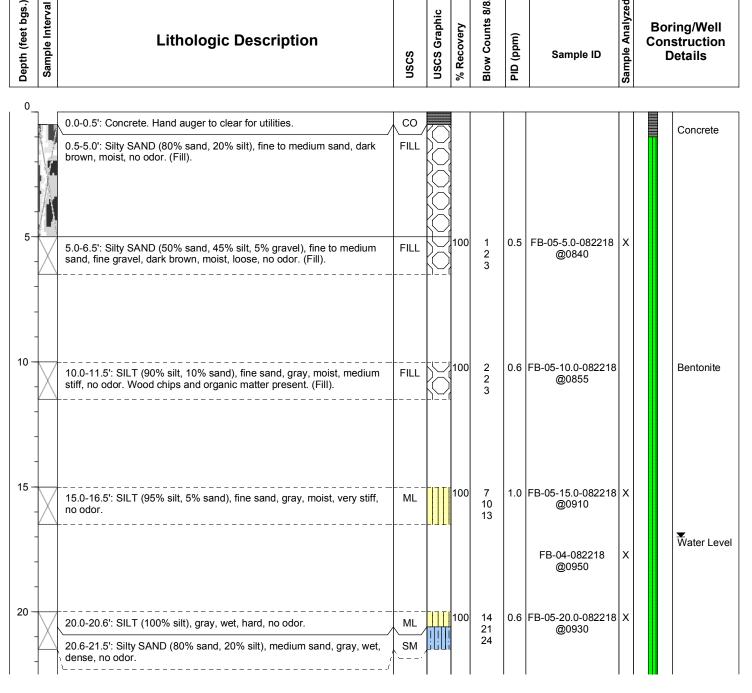
Drilling Company: Drilling Foreman:

Geologic Drilling Blaine Gibson

Total Boring Depth (ft bgs): 41.5 Total Well Depth (ft bgs): NA

Drilling Method: Hollow Stem Auger

Sample Analyzed **USCS Graphic** Counts Boring/Well Recovery (mdd) **Lithologic Description** Construction Sample ID **Details** <u></u>8 吕



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Top of Casing Elevation (ft): NA Casing Diameter (inches): NA Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA **Annular Seal:** X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 2 of 2

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

08/22/2018 @ 0815 Sampler Type: 1.5 Split Spoon Date/Time Started:

Equipment:

Drilling Company:

Drilling Foreman:

Drilling Method:

08/22/2018 @ 1140 Drive Hammer (lbs.): **Date/Time Completed:**

Mini-track

Geologic Drilling

Blaine Gibson

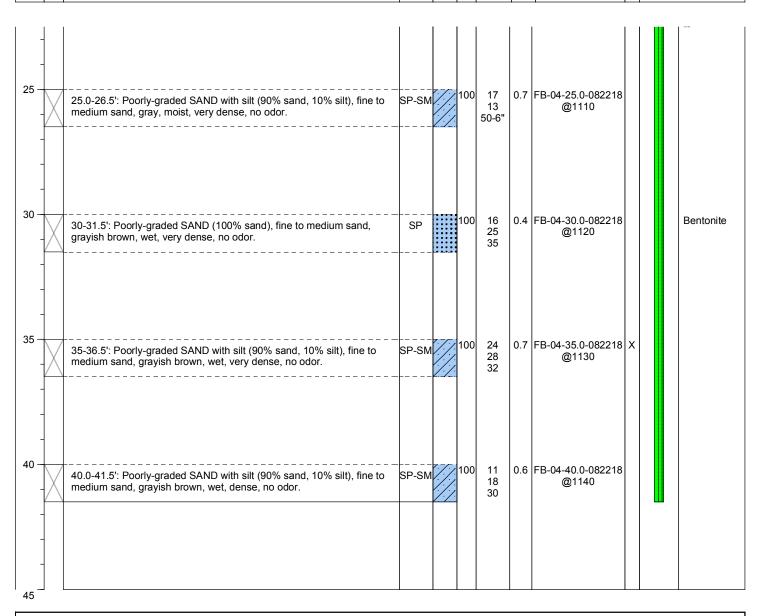
Hollow Stem Auger

140 Depth of Water ATD (ft bgs): 17.0

Total Boring Depth (ft bgs): 41.5

Total Well Depth (ft bgs): NA

Blow Counts 8/8/8 Depth (feet bgs.) Sample Analyzed Sample Interval **USCS Graphic** Boring/Well (mdd) **Lithologic Description** Construction Sample ID **Details** 吕



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Top of Casing Elevation (ft): NA NA Casing Diameter (inches): Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 1 of 1

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

Equipment:

Drilling Company:

Drilling Foreman:

Drilling Method:

08/22/2018 @ 0610 Sampler Type: 1.5 Split Spoon

140

08/22/2018 @ 0730 Drive Hammer (lbs.): Mini-track Depth of Water ATD (ft bgs):

16.0 Total Boring Depth (ft bgs): 26.5

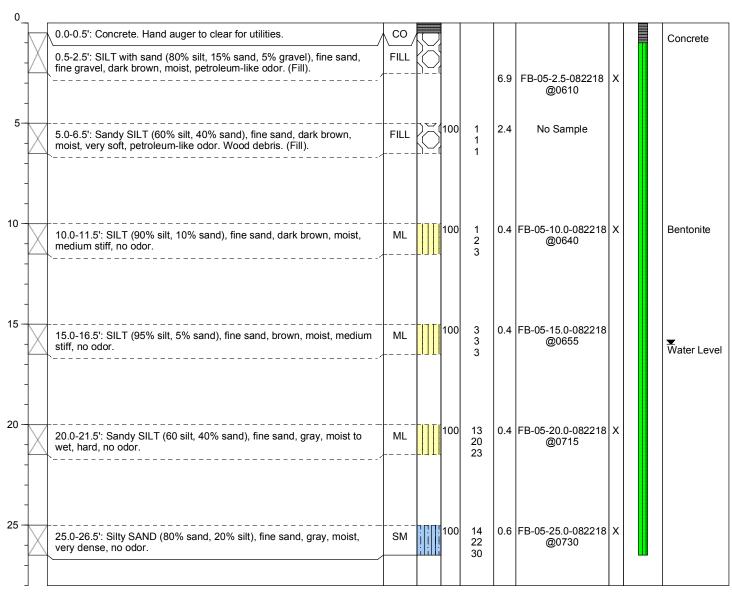
Total Well Depth (ft bgs): NA

Hollow Stem Auger

Geologic Drilling

Blaine Gibson

Depth (feet bgs.) Sample Interval	Lithologic Description	nscs	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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Well Construction Information Ground Surface Elevation (ft): NA Monument Type: NA Filter Pack: NA Top of Casing Elevation (ft): NA NA Casing Diameter (inches): Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): NA Annular Seal: X:NA NA Screened Interval (ft bgs): NA **Boring Abandonment:** Bentonite Y: NA



Page 1 of 3

Auto

Client: Washington Builders LLC

Project: Block 43

Location: Block 38, Seattle, WA

Farallon PN: 397-010

Logged By: Dincer Kayhan

Date/Time Started: 7/21/14 @ 0945

Zane Huckins

Date/Time Completed: 7/22/14 @

Equipment: Spider 1576

Drilling Company: Cascade Drilling

Drilling Foreman:

Drilling Method: Sonic

Sampler Type: PE Bags

Drive Hammer (lbs.):

Depth of Water ATD (ft bgs): 5.7

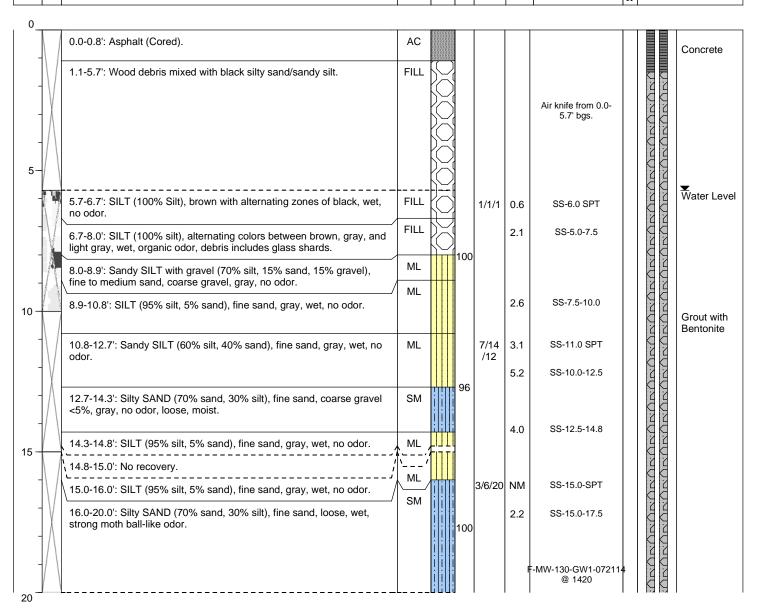
Total Boring Depth (ft bgs): 60.0

Total Well Depth (ft bgs): 55

Sample Interval

Construction

Sample Analyzed



Monument Type: Flush Mount
Casing Diameter (inches): 2
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 45.0-55.0

Well Construction Information

Filter Pack: 10/20 Sand Surface Seal: Concrete Annular Seal: Bentonite Boring Abandonment: NA

Ground Surface Elevation (ft): 23
Top of Casing Elevation (ft): NA
Surveyed Location: γ⋅ΝΔ

ion: **X**: NA **Y**: NA



Page 2 of 3

Client: Washington Builders LLC

Project: Block 43

Location: Block 38, Seattle, WA

Farallon PN: 397-010

Logged By: Dincer Kayhan

Date/Time Started: 7/21/14 @ 0945 **Date/Time Completed:** 7/22/14 @

Date/Time Completed: 7/22/14 @ **Equipment:** Spider 1576

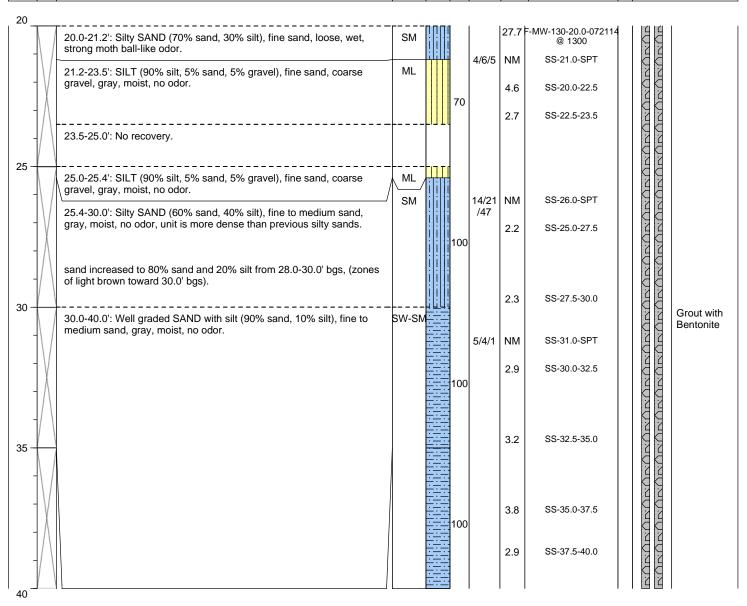
Drilling Company: Cascade Drilling
Drilling Foreman: Zane Huckins

Drilling Method: Sonic

Sampler Type: PE Bags

Drive Hammer (lbs.):AutoDepth of Water ATD (ft bgs):5.7Total Boring Depth (ft bgs):60.0

Total Well Depth (ft bgs): 55



Monument Type: Flush Mount
Casing Diameter (inches): 2
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 45.0-55.0

Well Construction Information

Filter Pack: 10/20 Sand Surface Seal: Concrete Annular Seal: Bentonite Boring Abandonment: NA

Ground Surface Elevation (ft):

Top of Casing Elevation (ft):

Surveyed Location: X:NA

Y: NA

23 NA



Page 3 of 3

Washington Builders LLC Client:

Project: Block 43

Location: Block 38, Seattle, WA

Farallon PN: 397-010

Logged By: Dincer Kayhan

7/21/14 @ 0945 Date/Time Started:

7/22/14 @ Date/Time Completed:

Equipment: Spider 1576 **Drilling Company:** Cascade Drilling **Drilling Foreman:** Zane Huckins

Sonic

Drilling Method:

Sampler Type: PE Bags

Auto Drive Hammer (lbs.): Depth of Water ATD (ft bgs): 5.7 Total Boring Depth (ft bgs): 60.0

Total Well Depth (ft bgs): 55

Depth (feet bgs.)	Sample Interval	Lithologic Description	nscs	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Con	ring/Well struction Details
40_											
_		Moisture content increased from previous 30.0-35.0' interval but still classified as moist.	SM				26.7	F-MW-130-40.0-072114 @ 1655 SS-40.7	4		Bentonite
_		40.0-40.7': Silty SAND (80% sand, 20% silt), fine to medium sand, gray, moist, no odor.									Seal
_		40.7-45.0': No recovery. Soil was not solid enough to collect due to water injection to combat heaving sands.			14						
											Sand Pack
45 —		45.0-49.5': Silty SAND (80% sand, 20% silt), fine to medium sand, gray, moist, no odor.	SM								
-					90		173	F-MW-130-47.5-07221 @ 1000	4		
50 -		49.5-50.0': No recovery.		الانانا. حجم							
_		50.0-55.0': Well graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine to coarse sand and gravel, gray, wet, no odor,	GW-GN				88.4	F-MW-130-50.0-072214 @ 1005			Screen
_		large cobbles present, natural wood debris present (bark and tree branch).			100		8.5	SS-50.0-52.5			
-											
-							8.3	SS-52.5-55.0			
55 -		55.0-56.7: Well graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine to coarse sand and gravel, gray, wet, no odor.	GW-GN					F-MW-130-55.0-072214 @ 1325	4		Sand Pack
-		56.7-60.0': Gravelly SILT (50% silt, 40% gravel, 10% sand), fine to coarse gravel and sand, gray, wet, no odor, cobbles present, gradational contact with unit above.	ML		100		12.8	SS-55.0-57.5			
_						10/18	6.7	SS-57.5-60.0			Bentonite

Monument Type: Flush Mount Casing Diameter (inches): Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 45.0-55.0 **Well Construction Information**

Filter Pack: 10/20 Sand Surface Seal: Concrete Annular Seal: Bentonite **Boring Abandonment:** NA

Ground Surface Elevation (ft): Top of Casing Elevation (ft): **Surveyed Location:**

SS-60.0-SPT

NM

/20

X:NA Y: NA 23 NA

Seal



Page 1 of 1

City Investors IX LLC Client:

Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

Equipment:

Drilling Company:

Drilling Foreman:

Drilling Method:

08/24/2018 @ 1330 Sampler Type: 1.5 Split spoon

08/24/2018 @ 1530 Drive Hammer (lbs.):

140

Depth of Water ATD (ft bgs): 7.5 Total Boring Depth (ft bgs): 10.0

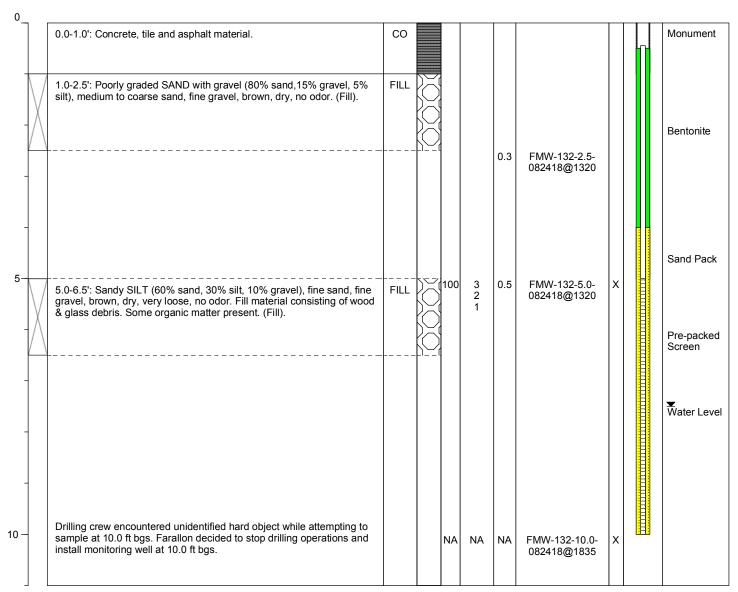
Total Well Depth (ft bgs): 10.0

Hollow Stem Auger

Geologic Drilling

Blaine Gibson

Mini-track



Monument Type: Flush Mount Casing Diameter (inches): 10 Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 5.0-10.0

Well Construction Information Filter Pack: Silica/Sand

Surface Seal: Grout/Concrete **Annular Seal:** Bentonite/Grout

Boring Abandonment:

Ground Surface Elevation (ft): Top of Casing Elevation (ft):

NA

NA

Surveyed Location: X:NA Y: NA



Page 1 of 1

140

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

Equipment:

Drilling Company:

Drilling Foreman:

Drilling Method:

Mini-track

08/24/2018 @ 1745 Sampler Type: 1.5 Split Spoon

08/24/2018 @ 1902 Drive Hammer (lbs.):

Depth of Water ATD (ft bgs): 9.0 Total Boring Depth (ft bgs): 26.5

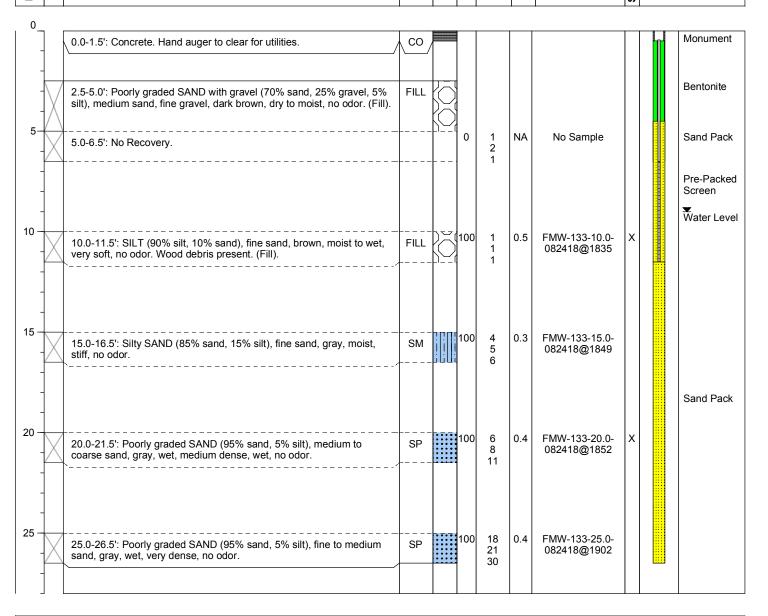
Total Well Depth (ft bgs): 11.5

Hollow Stem Auger

Geologic Drilling

Blaine Gibson

Sample Analyzed Depth (feet bgs.) Sample Interval **USCS Graphic** Counts **Boring/Well** Recovery (mdd) **Lithologic Description** Construction Sample ID **Details** <u></u>8 吕



Monument Type: Flush Mount Casing Diameter (inches): 10 Screen Slot Size (inches): 0.01 Screened Interval (ft bgs): 6.5 - 11.5 **Well Construction Information**

Filter Pack: Silica/Sand Surface Seal: Grout/Concrete

Annular Seal: NΑ **Boring Abandonment:** NA Ground Surface Elevation (ft): Top of Casing Elevation (ft):

Surveyed Location: X:NA Y: NA



Page 1 of 1

17.0

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: **Date/Time Completed:**

08/24/2018 @ 1030 Drive Hammer (lbs.):

08/24/2018 @ 0700 Sampler Type: 1.5 Split Spoon

140

Equipment: Drilling Company:

Drilling Foreman:

Drilling Method:

Mini-track Geologic Drilling Depth of Water ATD (ft bgs):

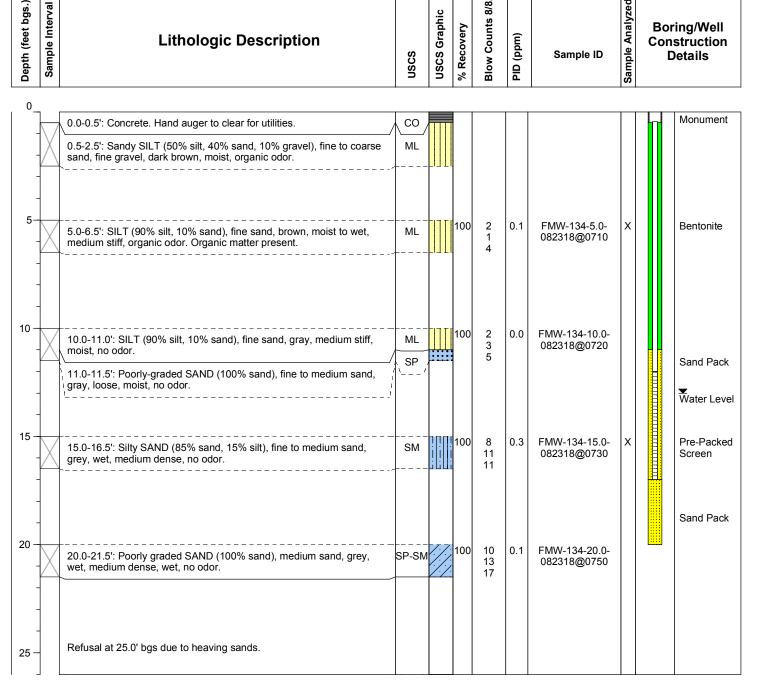
Total Well Depth (ft bgs):

13.0 Total Boring Depth (ft bgs): 20.0

Blaine Gibson

Hollow Stem Auger

Sample Analyzed Sample Interval **USCS Graphic** Counts **Boring/Well** Recovery (mdd) **Lithologic Description** Construction Sample ID **Details** <u></u>8 吕



Monument Type: Flush Mount Casing Diameter (inches): 10 Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 12.0-17.0 **Well Construction Information**

Filter Pack: Silica/Sand Surface Seal: Grout/Concrete Annular Seal: Bentonite/Grout

Boring Abandonment:

Top of Casing Elevation (ft): Surveyed Location: X:NA

Y: NA

Ground Surface Elevation (ft):



Page 1 of 2

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: Date/Time Completed:

08/24/2018 @ 0700 Sampler Type: 1.5 Split Spoon

08/24/2018 @ 0950 Drive Hammer (lbs.):

140

Equipment:

Mini-track

Depth of Water ATD (ft bgs):

Drilling Company: Drilling Foreman:

Drilling Method:

Geologic Drilling Blaine Gibson

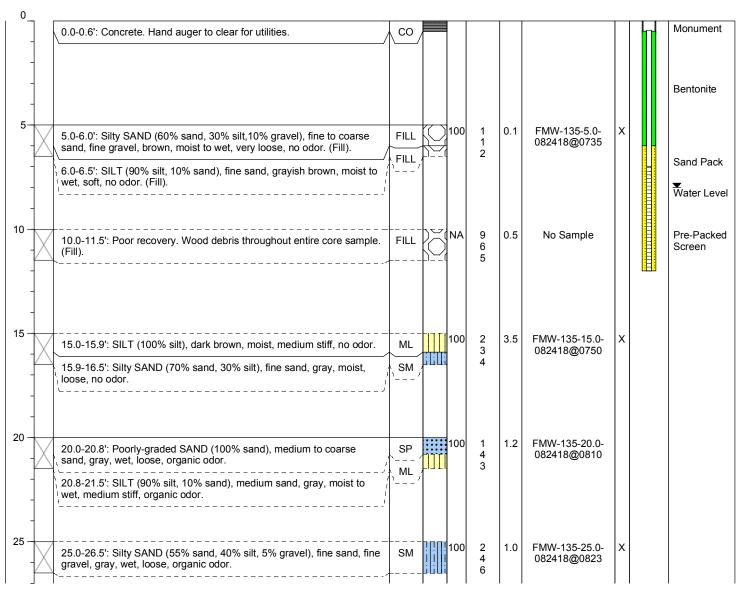
Total Boring Depth (ft bgs): 51.5 Total Well Depth (ft bgs):

Hollow Stem Auger

12.0

8.0

Sample Analyzed Depth (feet bgs.) Sample Interval **USCS Graphic** Counts **Boring/Well** Recovery (mdd) **Lithologic Description** Construction Sample ID **Details** <u></u>8 吕



Monument Type: Flush Mount Casing Diameter (inches): 10 Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 7.0-12.0 **Well Construction Information**

Filter Pack: Silica/Sand Surface Seal: Grout/Concrete Annular Seal: Bentonite/Grout

Boring Abandonment:

Top of Casing Elevation (ft): Surveyed Location: X:NA Y: NA

Ground Surface Elevation (ft):



Page 2 of 2

12.0

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: Date/Time Completed:

Drilling Foreman:

Drilling Method:

08/24/2018 @ 0700 Sampler Type: 1.5 Split Spoon

08/24/2018 @ 0950 Drive Hammer (lbs.):

140 Depth of Water ATD (ft bgs): 8.0

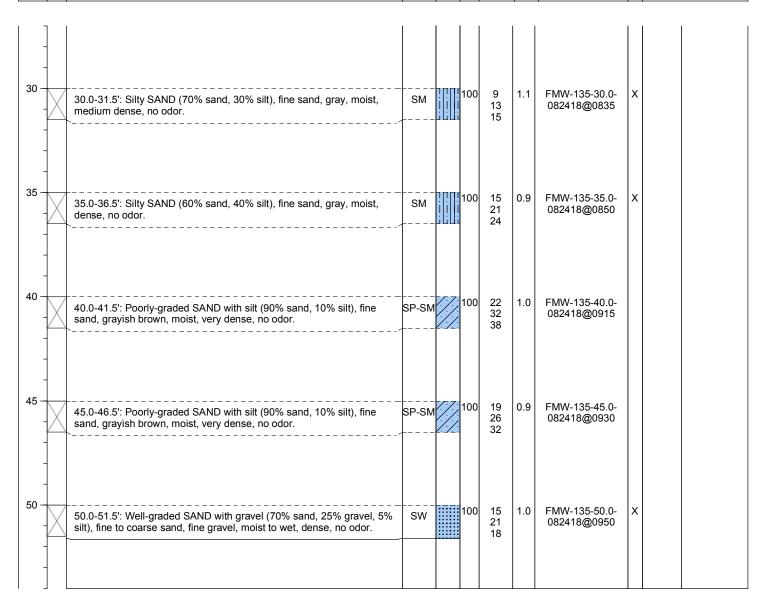
Mini-track **Equipment: Drilling Company:**

Geologic Drilling Blaine Gibson

Total Boring Depth (ft bgs): 51.5

Total Well Depth (ft bgs):

Hollow Stem Auger



Monument Type: Flush Mount Casing Diameter (inches): 10 Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 7.0-12.0 **Well Construction Information**

Filter Pack: Silica/Sand Surface Seal: Grout/Concrete Annular Seal:

Bentonite/Grout **Boring Abandonment:**

Ground Surface Elevation (ft): Top of Casing Elevation (ft):

Surveyed Location: X:NA Y: NA NA

NA



Page 1 of 1

140

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: Date/Time Completed:

Equipment:

08/22/2018 @ 1310 Sampler Type: 1.5 Split Spoon

08/22/2018 @ 1400 Drive Hammer (lbs.):

Depth of Water ATD (ft bgs): 18.0 40.0

Drilling Company: Geologic Drilling **Drilling Foreman:**

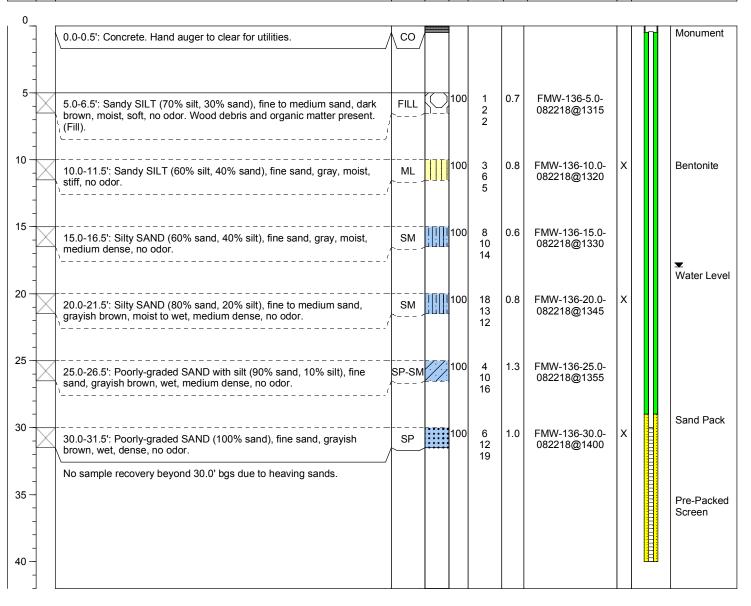
Blaine Gibson

Total Boring Depth (ft bgs):

Total Well Depth (ft bgs): NA

Drilling Method: Hollow Stem Auger

Mini-track



Monument Type: Flush Mount Casing Diameter (inches): Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 30.0-40.0

Well Construction Information Filter Pack: Silica/Sand

Surface Seal: Grout/Concrete **Annular Seal:** Bentonite/Grout

Boring Abandonment:

Ground Surface Elevation (ft): Top of Casing Elevation (ft): Surveyed Location: X:NA

Y: NA

NA

NA



Page 1 of 4

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

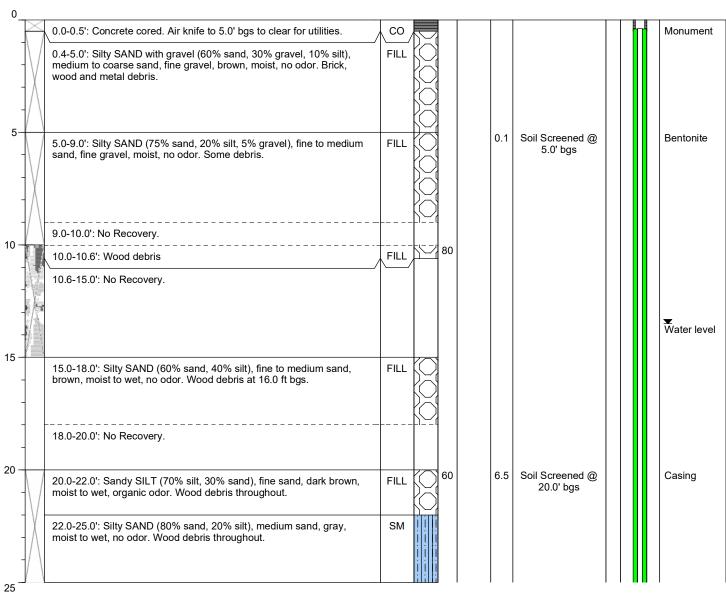
Farallon PN: 397-061

Logged By: Greg Peters

Date/Time Started: 11/3/2018 @ 1145 Sampler Type: 4 x 6 sample bag Date/Time Completed: 11/17/2018 @ 1400 Drive Hammer (lbs.): Sonic Rig/Geoprobe Depth of Water ATD (ft bgs): NE Equipment: **Drilling Company:** Total Boring Depth (ft bgs): 90.0 Holocene Drilling Total Well Depth (ft bgs): **Drilling Foreman:** Zack Bailey 85.0

Drilling Method: Sonic Drilling

Depth (feet bgs.) Sample Interval Sample Analyzed **USCS Graphic** low Counts Boring/Well (mdd) **Lithologic Description** Construction Sample ID **Details** 吕



Monument Type: Flush Mount Casing Diameter (inches): 20 Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 72.0-85.0 **Well Construction Information**

Filter Pack: 12/20 Sand Surface Seal: Concrete Annular Seal: Bentonite **Boring Abandonment:**

Ground Surface Elevation (ft): NA Top of Casing Elevation (ft): NA Surveyed Location: X:NA

Y: NA



Page 2 of 4

Client: City Investors IX LLC

Project: Block 38 West Property

Location: Seattle, WA

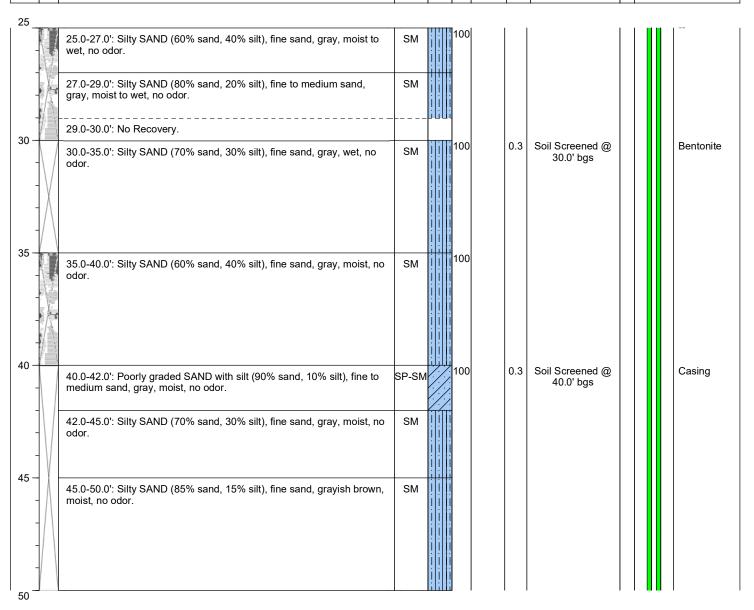
Farallon PN: 397-061

Logged By: Greg Peters

Date/Time Started:11/3/2018 @ 1145Sampler Type:4 x 6 sample bagDate/Time Completed:11/17/2018 @ 1400Drive Hammer (lbs.):NAEquipment:Sonic Rig/GeoprobeDepth of Water ATD (ft bgs):NEDrilling Company:Holocene DrillingTotal Boring Depth (ft bgs):90.0Drilling Foreman:Zack BaileyTotal Well Depth (ft bgs):85.0

Drilling Method: Sonic Drilling

Depth (feet bgs.)	Sample Interval	Lithologic Description	nscs	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	--



Monument Type:Flush MountCasing Diameter (inches):2.0Screen Slot Size (inches):0.010Screened Interval (ft bgs):72.0-85.0

Well Construction Information

Filter Pack: 12/20 Sand Surface Seal: Concrete Annular Seal: Bentonite Boring Abandonment: NA

Ground Surface Elevation (ft):

Top of Casing Elevation (ft):

Surveyed Location: X: NA

'· **X**: NA **Y**: NA



Page 3 of 4

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-061

Logged By: Greg Peters

11/3/2018 @ 1145 Sampler Type: 4 x 6 sample bag Date/Time Started: 11/17/2018 @ 1400 Drive Hammer (lbs.): Date/Time Completed: Sonic Rig/Geoprobe Depth of Water ATD (ft bgs): NE **Equipment: Drilling Company:** Total Boring Depth (ft bgs): 90.0 Holocene Drilling Total Well Depth (ft bgs): Zack Bailey **Drilling Foreman:** 85.0

Drilling Method: Sonic Drilling

Boring/Well

Blow Counts 8/8/8 Sample Analyzed Depth (feet bgs.) Sample Interval **USCS Graphic** Recovery (mdd) **Lithologic Description** Construction Sample ID **Details** 吕 100 Soil Screened @ 50.0-55.0': Silty SAND (80% sand, 20% silt), fine to medium sand, SM 50.0' bgs grayish brown, moist to wet, no odor. Casing 55

55.0-60.0': Silty SAND (80% sand, 20% silt), fine to medium sand, grayish brown, moist to wet, no odor. 60 Soil Screened @ 60.0-70.0': Poorly graded SAND with silt (90% sand, 10% silt), SP-SM 60.0' bgs medium sand, grauish brown, moist, no odor. 65 70 100 Soil Screened @ Bentonite 70.0-72.0': Poorly graded SAND with silt (90% sand, 10% silt), SP-SM 70.0' bgs medium sand, grayish brown, moist. 72.0-75.0': Poorly graded SAND with silt (80% sand, 10% silt, 10% SP-SM gravel), medium sand, fine gravel, grayish brown, moist no odor. Screen (Pre-packed)

Well Construction Information NA Ground Surface Elevation (ft): Monument Type: Flush Mount Filter Pack: 12/20 Sand Top of Casing Elevation (ft): NA Casing Diameter (inches): 20 Surface Seal: Concrete

Surveyed Location: Screen Slot Size (inches): 0.010 Annular Seal: X:NA Bentonite Screened Interval (ft bgs): 72.0-85.0 **Boring Abandonment:** Y: NA



Page 4 of 4

Client: City Investors IX LLC

Project: Block 38 West Property

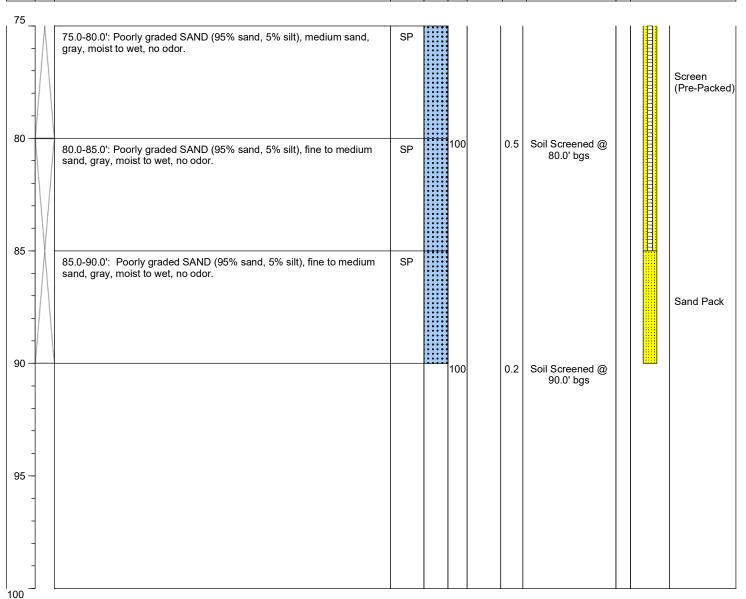
Location: Seattle, WA

Farallon PN: 397-061

Logged By: Greg Peters

Date/Time Started:11/3/2018 @ 1145Sampler Type: 4 x 6 sample bagDate/Time Completed:11/17/2018 @ 1400Drive Hammer (lbs.):NAEquipment:Sonic Rig/GeoprobeDepth of Water ATD (ft bgs):NEDrilling Company:Holocene DrillingTotal Boring Depth (ft bgs):90.0Drilling Foreman:Zack BaileyTotal Well Depth (ft bgs):85.0

Drilling Method: Sonic Drilling



Monument Type:Flush MountCasing Diameter (inches):2.0Screen Slot Size (inches):0.010Screened Interval (ft bgs):72.0-85.0

Well Construction Information

Filter Pack: 12/20 Sand Surface Seal: Concrete Annular Seal: Bentonite Boring Abandonment: NA

Ground Surface Elevation (ft):
Top of Casing Elevation (ft):
Surveyed Location: X:NA

Y: NA



Page 1 of 5

NA

NA

Client: City Investors IX LLC

Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-061

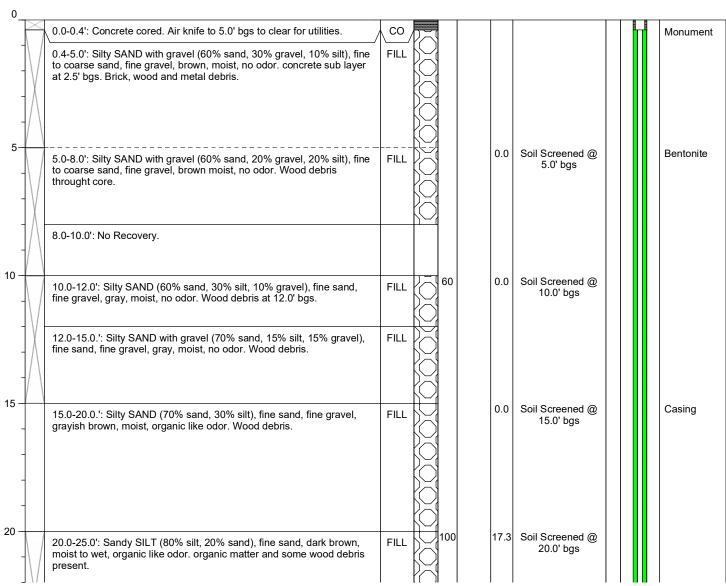
Logged By: Greg Peters

Date/Time Started: 11/3/2018 @ 0900 Sampler Type: 4 x 6 sample bag 11/4/2018 @ 0900 Date/Time Completed: Drive Hammer (lbs.): Sonic Rig/Geoprobe Depth of Water ATD (ft bgs): NE **Equipment: Drilling Company:** Total Boring Depth (ft bgs): 100.0 Holocene Drilling Total Well Depth (ft bgs): 100.0 **Drilling Foreman:** Zack Bailey

Drilling Method: Sonic Drilling

3

Depth (feet bgs.)	Sample Interval	Lithologic Descrip	tion	nscs	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0									•		
	\times	0.0-0.4': Concrete cored. Air knife to 5.0' bgs to cle	ear for utilities.	co /) _ (Monument



Well Construction Information Ground Surface Elevation (ft): Monument Type: Flush Mount Filter Pack: 12/20 Sand Casing Diameter (inches): Top of Casing Elevation (ft): 20 Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): 0.010 Annular Seal: X:NA Bentonite

Screened Interval (ft bgs): 90.0 - 100.0 Boring Abandonment: NA

Y: NA

Y: NA



Page 2 of 5

Client: City Investors IX LLC

Project: Block 38 West Property

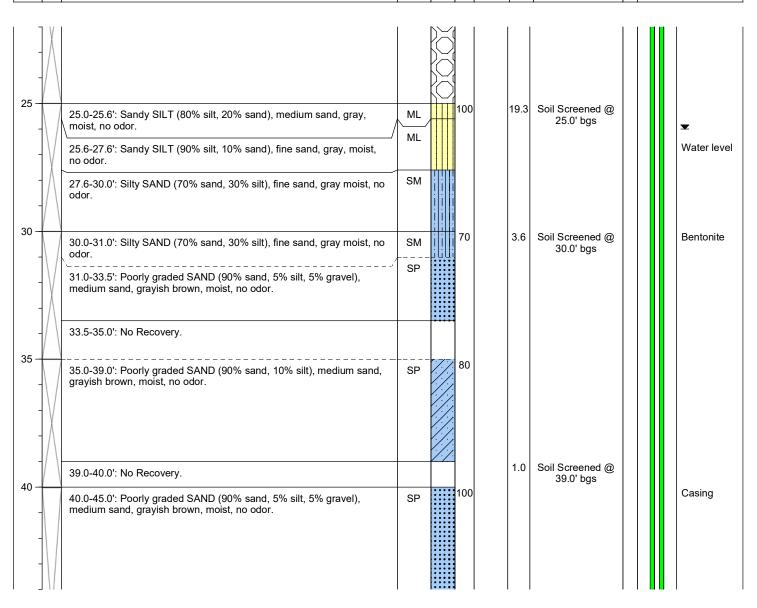
Location: Seattle, WA

Farallon PN: 397-061

Logged By: Greg Peters

Date/Time Started: 11/3/2018 @ 0900 Sampler Type: 4 x 6 sample bag Date/Time Completed: 11/4/2018 @ 0900 Drive Hammer (lbs.): Sonic Rig/Geoprobe Depth of Water ATD (ft bgs): Equipment: NE **Drilling Company:** Holocene Drilling Total Boring Depth (ft bgs): 100.0 Total Well Depth (ft bgs): Zack Bailey 100.0 **Drilling Foreman:**

Drilling Method: Sonic Drilling



Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 90.0 - 100.0

Well Construction Information

Filter Pack: 12/20 Sand Surface Seal: Concrete Annular Seal: Bentonite Boring Abandonment: NA

Ground Surface Elevation (ft):

Top of Casing Elevation (ft):

Surveyed Location: γ·ΝΔ

urveyed Location: X:NA
Y:NA



Page 3 of 5

City Investors IX LLC Client: Project: Block 38 West Property

Location: Seattle, WA

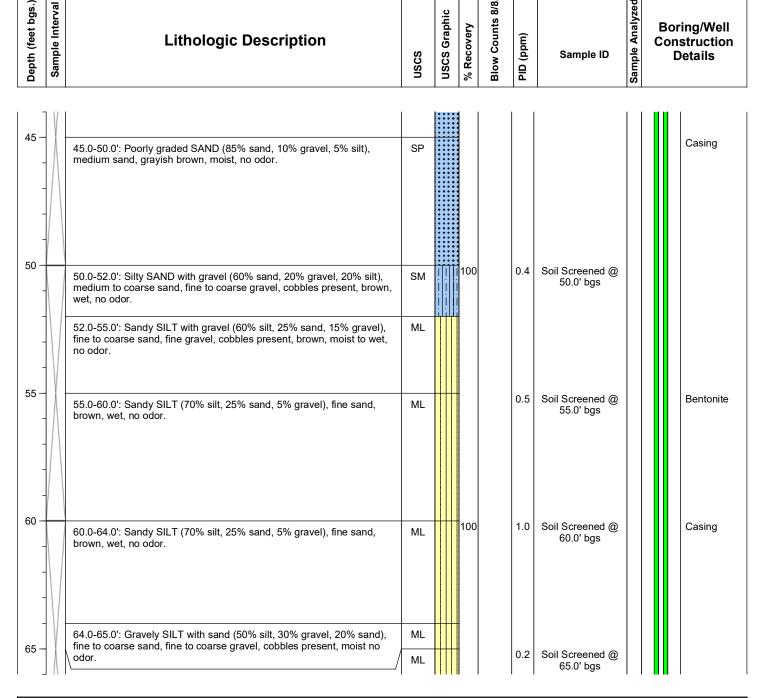
Farallon PN: 397-061

Sample Interval

Logged By: Greg Peters

Date/Time Started: 11/3/2018 @ 0900 Sampler Type: 4 x 6 sample bag Date/Time Completed: 11/4/2018 @ 0900 Drive Hammer (lbs.): Sonic Rig/Geoprobe Depth of Water ATD (ft bgs): NE **Equipment: Drilling Company:** Total Boring Depth (ft bgs): 100.0 Holocene Drilling Total Well Depth (ft bgs): Zack Bailey **Drilling Foreman:** 100.0

Drilling Method: Sonic Drilling



Well Construction Information Ground Surface Elevation (ft): NA Monument Type: Flush Mount Filter Pack: 12/20 Sand Top of Casing Elevation (ft): NA Casing Diameter (inches): Surface Seal: Concrete Surveyed Location: Screen Slot Size (inches): 0.010 Annular Seal: X:NA Bentonite

Screened Interval (ft bgs): 90.0 - 100.0 **Boring Abandonment:** Y: NA



Page 4 of 5

Client: City Investors IX LLC

Project: Block 38 West Property

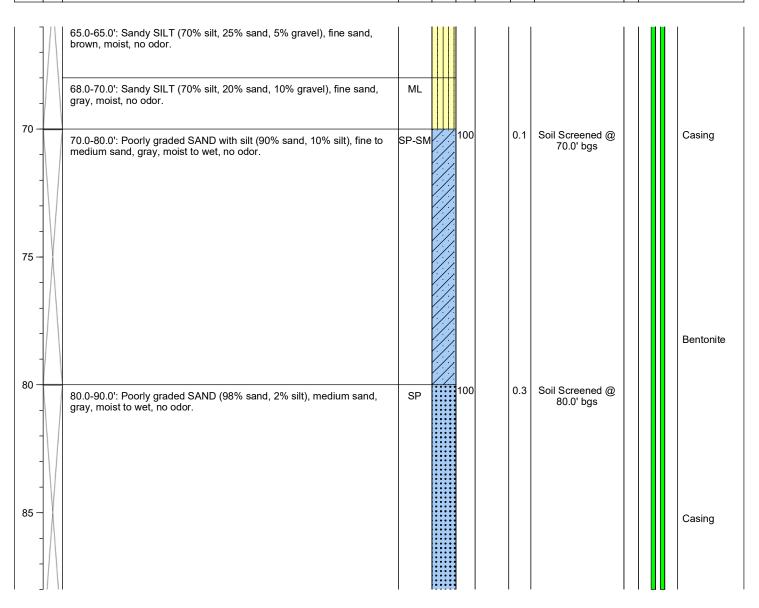
Location: Seattle, WA

Farallon PN: 397-061

Logged By: Greg Peters

Date/Time Started: 11/3/2018 @ 0900 Sampler Type: 4 x 6 sample bag Date/Time Completed: 11/4/2018 @ 0900 Drive Hammer (lbs.): Equipment: Sonic Rig/Geoprobe Depth of Water ATD (ft bgs): NE Total Boring Depth (ft bgs): **Drilling Company:** Holocene Drilling 100.0 Total Well Depth (ft bgs): **Drilling Foreman:** Zack Bailey 100.0

Drilling Method: Sonic Drilling



Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 90.0 - 100.0

Well Construction Information

Filter Pack: 12/20 Sand Surface Seal: Concrete Annular Seal: Bentonite Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: $\mathbf{y} \cdot \mathbf{N} \Delta$

d Location: X:NA Y:NA



Page 5 of 5

Client: City Investors IX LLC
Project: Block 38 West Property

Location: Seattle, WA

Farallon PN: 397-061

Logged By: Greg Peters

Date/Time Started: 11/3/2018 @ 0900 Sampler Type: 4 x 6 sample bag Date/Time Completed: 11/4/2018 @ 0900 Drive Hammer (lbs.): Sonic Rig/Geoprobe Depth of Water ATD (ft bgs): ΝE Equipment: Total Boring Depth (ft bgs): **Drilling Company:** 100.0 Holocene Drilling Total Well Depth (ft bgs): Zack Bailey 100.0 **Drilling Foreman:**

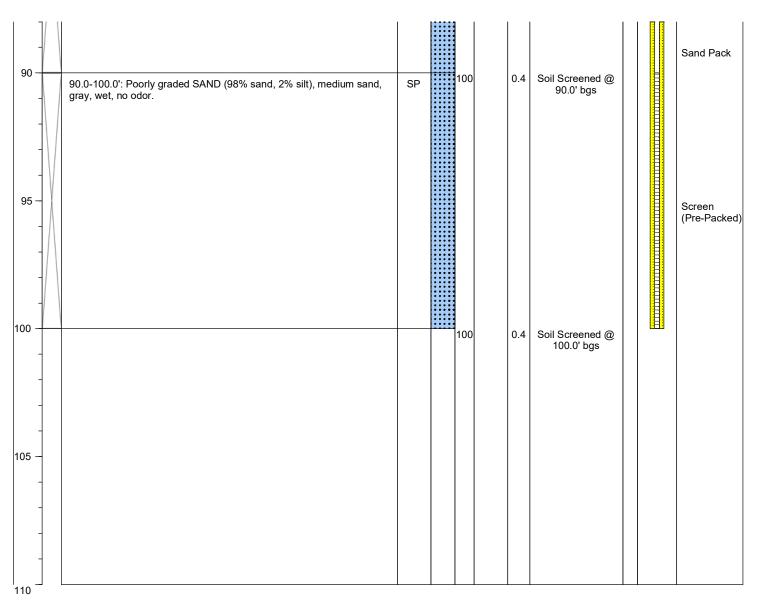
Drilling Method: Sonic Drilling

Sample Interval

USCS Graphic
USCS Graphic
Blow Counts 8/8/8

Box Counts 8/8/8

Construction
Details



Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 90.0 - 100.0

Well Construction Information

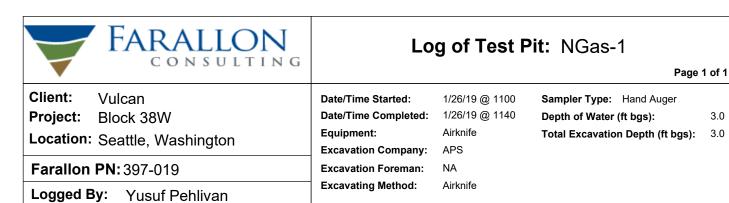
Filter Pack: 12/20 Sand Surface Seal: Concrete Annular Seal: Bentonite Boring Abandonment: NA

Ground Surface Elevation (ft):
Top of Casing Elevation (ft):

Surveyed Location: X:NA
Y:NA

NA

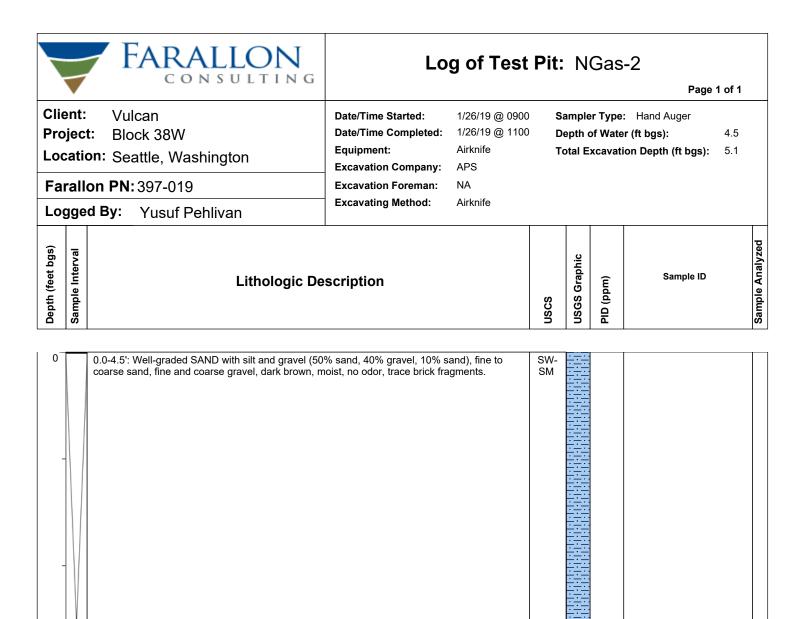
NA



3.0

3.0

0	0.0-0.7': Concrete.	СО		
	0.7-1.8': Well-graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand, fine gravel, brown, moist, no odor. Geotextile fabric at 1.5' bgs.	SW- SM		
	4.0.0.0 N. Cilta CAND with account (COO) and COO) with 450 consult for	OM.		
	1.8-3.0': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to coarse sand, fine gravel, dark brown, moist, wet at 3.0' bgs, no odor. Gas line encountered at 3.0' bgs. Water fills test pit.	SM		
5				



GP

WD

4.5-5.0': Poorly graded gravel (100% gravel), fine fravel, gray, wet, utilities backfill.

5.0-5.1': Rotting wood. Water fills testpit.

5-



Log of Test Pit: PH-1

Page 1 of 1

Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Yusuf Pehlivan

Date/Time Started: 1/26/19 @ 0925 **Date/Time Completed:** 1/26/19 @ 1000

Equipment: Airknife

Excavation Company: APS
Excavation Foreman: NA
Excavating Method: Airknife

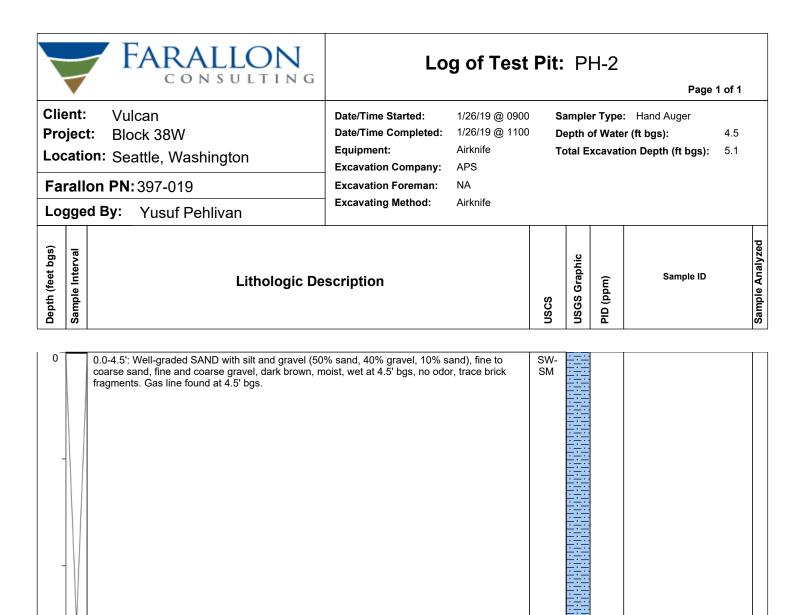
Sampler Type: Hand Auger

Depth of Water (ft bgs): 3.5

Total Excavation Depth (ft bgs): 4.0

Depth (feet bgs) Sample Interval	Lithologic Description	nscs	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed	
----------------------------------	------------------------	------	--------------	-----------	-----------	-----------------	--

0	0.0-0.6': Concrete.	СО			
	0.6-4.0': Poorly graded SAND (95% sand, 5% gravel), fine and medium sand, fine gravel, grayish brown, moist, wet at 3.5' bgs, no odor. Water fills test pit, unable to log below water.	SP			
_					
			0.0	PH-1-4.0-012619	
5_					



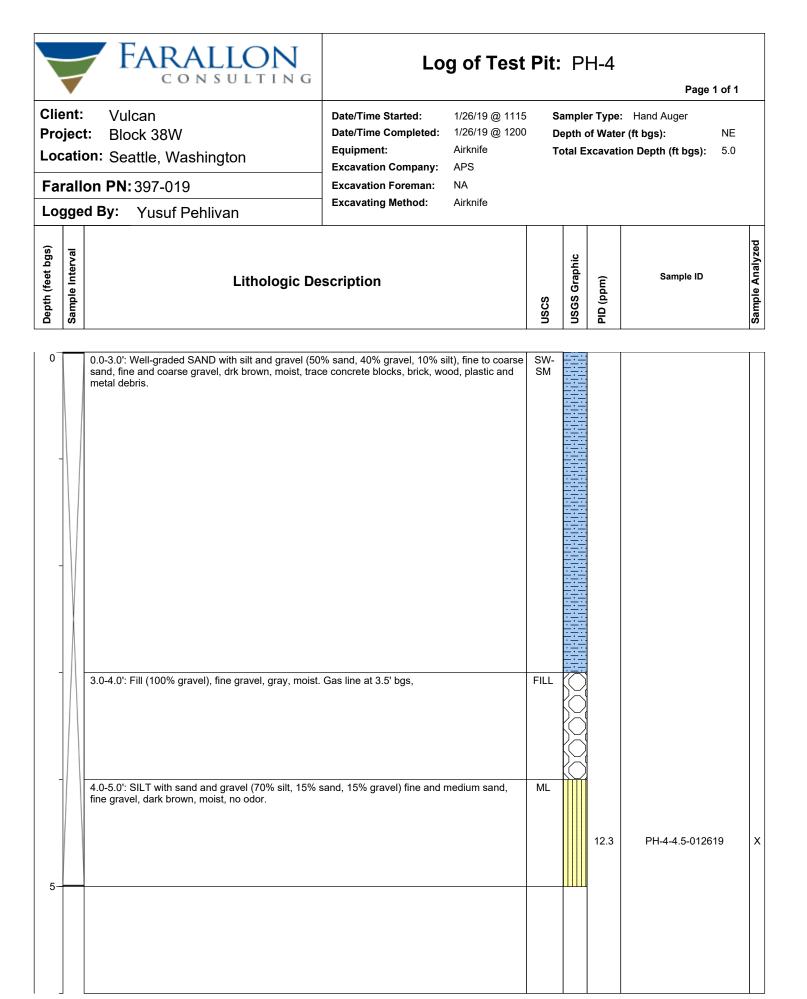
GP

WD

4.5-5.0': Poorly graded GRAVEL (100% gravel), fine gravel, gray, wet, utility backfill.

5-

5.0-5.1': Rotting wood.





Page 1 of 1

4.2

4.2

0	0.0-0.9': Concrete.	СО			
-	0.9-3.8': Well-graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand, fine and coarse gravel, dark brown, moist, trace rocks, brick, wood, and metal debris.	SW- SM			
_					
-					
	3.7-4.2': Utility Conduits.				
1	4.2.4 di. Wood, wat I hobie to odvence firsther	WD			
	4.2-4.4': Wood, wet. Unable to advance further.	VVD	<u></u>		
5_					



Logged By:	Yusuf Pehlivan	Excavating Method. All killie					
Depth (feet bgs) Sample Interval	Lithologic De	scription	nscs	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed

Page 1 of 1

4.5

4.5

0	0.0-4.0': Silty SAND with gravel (50% sand, 35% silt, 15% gravel), fine and medium sand, fine gravel, dark brown, moist, no odor.	SM				
	4.0-4.5': Sandy SILT (60% silt, 40% sand), fill, wood fragements, dark brown, wet, no odor.	ML		4.1	PH-11A-4.0-091919	x
		-				
5_						
, •		1	-	1		



Log of Test Pit: PH-12

Page 1 of 1

1/19/19 @ 0930 Sampler Type: Hand Auger

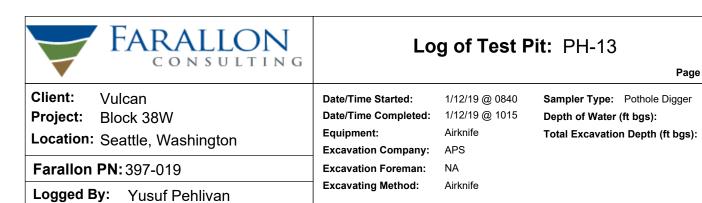
1/19/19 @ 1015 4.0 Depth of Water (ft bgs): Total Excavation Depth (ft bgs): 4.0

Excavation Foreman: NA

Farallon PN: 397-019 Excavating Method: Airknife Logged By: Yusuf Pehlivan

Depth (feet bgs)	Sample Interval	Lithologic Description	nscs	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.9': Concrete.	СО				

0	0.0-0.9': Concrete.	СО				
_	0.9-1.5': Well-graded GRAVEL with silt and sand (70% gravel, 20% sand, 10% silt), fine to coarse sand, fine and coarse gravel, brown, dry, no odor. Geotextile fabric at 1.5' bgs.	GW-	<u> </u>			
	coarse sand, fine and coarse gravel, brown, dry, no odor. Geotextile fabric at 1.5' bgs.	GM				
-	1.5-3.0': Concrete/rock blocks.	СО				
_	3.0-4.0': Sandy SILT (60% silt, 40% sand), fine and medium sand, dark brown, moist, wet at 4.0 bgs, petroleum-like odor, trace organic plant matter. Water fills pothole at 4.0' bgs.	ML				
5_				127.5	PH-12-4.0-011919	X



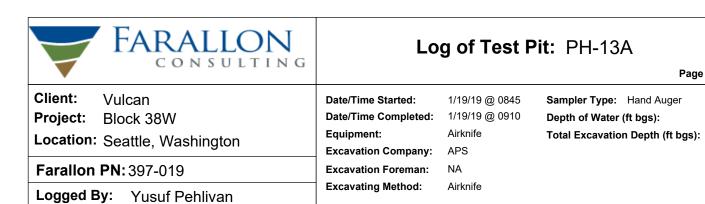
Depth (feet bgs)	Sample Interval	Lithologic Description	nscs	USGS Graphic	PID (ppm)		Sample Analyzed
------------------	-----------------	------------------------	------	--------------	-----------	--	-----------------

Page 1 of 1

3.0

5.0

0	0.0-0.7': Concrete.	СО			
-	0.7-1.5': Fill (70% sand, 30% gravel), fine and medium sand, fine and coarse gravel, grayish brown, dry to moist, no odor.	FILL			
	1.5-4.0': Poorly graded SAND (90% sand, 10% gravel), fine and medium sand, fine gravel, dry, wet at 3.0' bgs, no odor, well cemented. Well-graded gravel in hole to 3.0'bgs. 4.0-5.0' bgs not logged due to water.	SP			
-					
-			0.0	PH-13-3.0-011218	×
_					
5_					



eet bç	Sample Interval	Lithologic Description	nscs	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
--------	-----------------	------------------------	------	--------------	-----------	-----------	-----------------

Page 1 of 1

3.5

3.5

			I	
0.0-0.9': Concrete.	СО			
0.9-1.3': Well-graded GRAVEL with silt and sand (75% gravel, 15% sand, 10% silt), fine to coarse sand, fine and coarse gravel, brown, dry, no odor, road base. Geotextile fabric at 1.3' bgs.	GW- GM	→ . o → →		
1.3-3.5': Poorly graded SAND with gravel (85% sand, 15% gravel), medium and coarse sand, fine gravel. (Airknife operator says CDF). 3.0-5.0' bgs water fills test pit.	SP			
	bgs.	0.9-1.3': Well-graded GRAVEL with silt and sand (75% gravel, 15% sand, 10% silt), fine to coarse sand, fine and coarse gravel, brown, dry, no odor, road base. Geotextile fabric at 1.3' GM GM	0.9-1.3': Well-graded GRAVEL with silt and sand (75% gravel, 15% sand, 10% silt), fine to coarse sand, fine and coarse gravel, brown, dry, no odor, road base. Geotextile fabric at 1.3' GM GM	0.9-1.3': Well-graded GRAVEL with silt and sand (75% gravel, 15% sand, 10% silt), fine to coarse sand, fine and coarse gravel, brown, dry, no odor, road base. Geotextile fabric at 1.3' bgs.

615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

Project : Former Rosen Property

Location : Terry Avenue North & Republican St. Test Pit No.:

ATP-1

Seattle, WA

Client : Stan Rosen c/o Riddell Williams

Project No: WA06-14141-PH2

Ground Surface Elevation: N/A Page: 01 of 01 **Elevation Reference:** WATER BEARING ZONE TYPE SAMPL (feet) P.I.D. (ppm) MATERIAL DESCRIPTION LABORATORY TESTING 2 to 3 inches of asphalt pavement over 7 to 9 inches crushed rock base course over medium dense, damp, gray, gravelly, sandy SILT with minor EPA 8270 bricks and small wood chips. No coal-like material, sheen or 0.0 WTPHpetroleum-like odors observed. HCID 5-Loose/soft, damp to moist, brown, wood chips and large wood fragments 0.0 EPA 8270 and logs. No coal-like material, sheen or petroleum-like odors observed. Includes 50 percent large wood fragments. Test pit terminated @ ~7.5-feet bgs No groundwater encountered 10-15-**LEGEND** DATE Static Water Level at Drilling Water Seepage Indicato 200 Wash (% fines shown) Static Water Level Grain Size Analysis (% fines shown) Perched Groundwater Start Date Logged By: B.R.M.



615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

Project : Former Rosen Property

: Terry Avenue North & Republican St. Seattle, WA Location

Test Pit No.:

ATP-2

: Stan Rosen c/o Riddell Williams

Project No: WA06-14141-PH2

Ground Surface Elevation : N/A Page: 01 of 01 Elevation Reference: N/A

cieva	tion Ref	erence:	: N/A				Page: 01 of 0	1
) DEPTH (feet)	SAMPLE NUMBER	TYPE SAMPLE	POCKET PENETROMETER (tons/ft)	TORVANE (tons/ft)	P.L.D. (ppm)	WATER BEARING ZONE	MATERIAL DESCRIPTION	LABORA TESTI
0-		-		-	- 0.0 -	_	2 to 3 inches of asphalt pavement over 3 inches crushed rock base course over loose, damp to moist, gray, silty, gravelly fine to coarse SAND. No coal-like material, sheen, or petroleum-like odors observed.	EPA 8 WTP
		-	-		0.0	-	Loose/soft, damp to wet, brown, wood chips and larger wood fragments and logs interlayered with gray, silty, gravelly fine to coarse SAND. No coal-like material, sheen, or petroleum-like odors observed. Includes 50 percent large wood fragments.	EPA 8
5-				-			Test pit terminated @ ~4-feet bgs No groundwater encountered	
			-				-	
						-	-	
	1							
0-					-		-	
\dashv				-	-	-		
	1					_		
	_		_		_			
5-			-		-	-		
	‡ ‡	1	- † - †			- †		
				-	-	-		
	END	DATE DATE		ater Level at ater Level	Drilling		Water Seepage Indicator Bucket Sample 200 Wash (% fines s	nown)
		¥		Groundwate	er'		Water Bearing Bag Sample Grain Size Analysis (XX Molsture Content (%)	% fines shown

615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

: Former Rosen Property Project

Location : Terry Avenue North & Republican St.

Seattle, WA

Client : Stan Rosen c/o Riddell Williams

Project No: WA06-14141-PH2

Ground Surface Elevation: N/A Page: 01 of 01 Elevation Reference: WATER BEARING ZONE MATERIAL DESCRIPTION ABORATORY TESTING 2 to 3 inches of asphalt pavement over 6 inches crushed rock base course over gray, silty, gravelly fine to coarse SAND with minor concrete fragments and abundant bricks with black wood fragments and discontinuous coal-rich zones at 2 to 3 feet. No sheen or petroleum-like odors observed. WTPH-0.0 HCID EPA 8270 5 Soft/loose, wet to saturated, brown, wood chips and larger wood fragments and logs, No coal-like material sheen, or petroleum-like odors 0.0 EPA 8270 observed. Includes 60 percent large wood fragments. Test pit terminated @ ~7.0-feet bgs Groundwater encountered @ ~7.0 bgs 10 ·15· **LEGEND** DATE Static Water Level at Drilling Water Seepage Indicato Static Water Level Perched Groundwater

Start Date:

08/12/06

Completion Date:

08/12/06

Test Pit No.:

ATP-3



Start Date:

08/12/06

Adapt Engineering, Inc.

615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

Project : Former Rosen Property

Location : Terry Avenue North & Republican St.

Seattle, WA

Client : Stan Rosen c/o Riddell Williams

Project No: WA06-14141-PH2

Test Pit No. :

Logged By:

Ground Surface Elevation: N/A Elevation Reference: Page: 01 of 01 DEPTH (feet) P.I.D. (ppm) MATERIAL DESCRIPTION ABORATORY ٠0٠ 2 to 3 inches of asphalt pavement over 3 inches crushed rock base course over loose, moist, gray, silty fine to medium SAND embedded EPA 8270 with gray silt, and wood fragments and pieces, including two 6 inch 0.0 WTPHdiameter logs. No coal-like material, sheen or petroleum-like odors HCID observed. Loose/soft, damp to moist, brown, wood chips with larger pieces and 0.0 logs. No coal-like material, sheen or petroleum-like odors observed. EPA 8270 Includes 70 percent large wood fragments. 5-Test pit terminated @ ~6.0-feet bgs No groundwater encountered 10 15-**LEGEND** DATE Static Water Level at Drilling 200 Wash (% fines shown) Static Water Level MC = XX Moisture Content (%)

Completion Date:

08/12/06



615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

: Former Rosen Property Project

Location Terry Avenue North & Republican St.

Seattle, WA

Client : Stan Rosen c/o Riddell Williams

Project No: WA06-14141-PH2

Ground Surface Elevation: N/A Elevation Reference: Page: 01 of 01 TYPE DEPTH (eet) P.I.D. MATERIAL DESCRIPTION ABORATORY TESTING 2 to 3 inches of asphalt pavement over 3 to 4 inches crushed rock base course over grayish black, silty fine to medium SAND with some wood fragments (10 to 20%), and large concrete pieces (1.0 to 1.5 inch 0.0 diameter) with some brick fragments. No coal-like material, sheen, or WTPHpetroleum-like odors observed. HCID EPA 8270 5-0.0 Loose/soft, damp to moist, brown, wood chips, with some large wood fragments and logs mixed with silt and sand. No coal-like material, sheen, or petroleum-like odors observed. Includes 70 percent large **EPA** 0.0 wood fragments. 8270 Test pit terminated @ ~8.0-feet bgs Groundwater encountered @ ~6.5-feet bgs -10· 15 DATE Static Water Level at Drilling **LEGEND** Static Water Level Perched Groundwater Start Date: 08/12/06 Logged By: B.R.M.

Test Pit No.:

ATP-5



Start Date:

08/12/06

Adapt Engineering, Inc. 615 - 8th Avenue South

615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

Project : Former Rosen Property

Location : Terry Avenue North & Republican St.

Test Pit No.:

ATP-6

Logged By: B.R.M.

Seattle, WA

Client : Stan Rosen c/o Riddell Williams

Project No: WA06-14141-PH2

Ground Surface Elevation : N/A Elevation Reference: Page: 01 of 01 DEPTH (feet) P.I.D. (ppm) MATERIAL DESCRIPTION LABORATORY TESTING 2 to 3 inches of asphalt pavement over 2 to 3 inches crushed rock base 0.0 course over 6 to 7 inches of coal fragments over gray silt interlayered WTPHwith some wood fragments. No sheen or petroleum-like odors observed. HCID EPA 8270 Loose/soft, damp to moist, brown, wood chips and larger wood fragments and logs, and some local silt. No coal-like material, sheen, or petroleum-like odors observed. Includes 60 percent large wood EPA 8270 fragments. 0.0 -5-Test pit terminated @ ~5.0-feet bgs No groundwater encountered -10-15-**LEGEND** DATE Static Water Level at Drilling 200 Wash (% fines shown) Static Water Level Grain Size Analysis (% fines shown)

Completion Date:

08/12/06



615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

: Former Rosen Property Project

Location : Terry Avenue North & Republican St.

Seattle, WA

: Stan Rosen c/o Riddell Williams Client

Project No: WA06-14141-PH2

Ground Surface Elevation: N/A Page: 01 of 01 Elevation Reference: DEPTH (feat) TYPE P.1.D. (ppm) MATERIAL DESCRIPTION LABORATORY TESTING 2 to 3 inches of asphalt pavement over 3 inches crushed rock base course over loose, damp to moist, black, gravelly fine SAND with EPA 8270 abundant fine black woody fragments, minor concrete and brick, and 0.0 WTPHdiscontinuous gray, silty sand inclusions and some larger wood HCID fragments and metal pieces. No coal-like material observed. Minor sheen and faint petroleum-like odor observed. Loose/soft, damp to wet, brown, wood chips and larger wood fragments and logs. No coal-like material, sheen, or petroleum-like odors observed. Includes 60 percent large wood fragments. 5-0.0 EPA 8270 08/13 Test pit terminated @ ~6.0-feet bgs 2006 Groundwater encountered @ ~6.0-feet bgs 10 15-**LEGEND** DATE Static Water Level at Drilling 200 Wash (% fines shown) Static Water Level erched Groundwater

Test Pit No.:

ATP-7



Adapt Engineering, Inc. 615 - 8th Avenue South

Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

Project : Former Rosen Property

Location : Terry Avenue North & Republican St.

Seattle, WA

Client : Stan Rosen c/o Riddell Williams

Project No: WA06-14141-PH2

Ground Surface Elevation: N/A Page: 01 of 01 **Elevation Reference:** TYPE SAMPLE DEPTH (feet) P.1.D. (ppm) MATERIAL DESCRIPTION ABORATORY TESTING 2 to 3 inches of asphalt pavement over 4 inches crushed rock base course over loose, damp to moist, sand and gravel with wood fragments EPA 8270 and pieces, including a 12 inch diameter log, and dimension lumber with 0.0 WTPHsome discontinuous coal-rich zones at 1 to 2 feet depth. No sheen or HCID petroleum-like odors observed. Includes 20 percent large wood fragments Soft, damp to wet, brown, wood chips and larger wood fragments and logs. No coal-like material, sheen, or petroleum-like odors observed. Includes 50 percent large wood fragments 5-0.0 EPA 8270 08/13 2006 Test pit terminated @ ~6.5-feet bgs Groundwater encountered @ ~6.0-feet bgs 10 15 **LEGEND** DATE Static Water Level at Dritling Vater Seepage Indicato Static Water Level Perched Groundwater Start Date:

08/13/06

Completion Date:

08/13/06

Logged By: B.R.M.

Test Pit No.:

ATP-8

615 - 8th Avenue South Seattle, Washington 98104

TEST PIT LOG

Project : Former Rosen Property

Location : Terry Avenue North & Republican St.

ATP-9 Seattle, WA Tel (206) 654-7045 Client : Stan Rosen c/o Riddell Williams Fax (206) 654-7048 Project No: WA06-14141-PH2 Ground Surface Elevation: N/A Page: 01 of 01 **Elevation Reference:** WATER ARING ZONE POCKET NETROMET (tons/ft) TYPE SAMPLE SAMPLE P.I.D. (ppm) MATERIAL DESCRIPTION ABORATORY 2 to 3 inches of asphalt pavement over 3 to 4 inches crushed rock base course over medium dense, damp, gray, gravelly, silty fine SAND. No EPA 8270 coal-like material, sheen, or petroleum-like odors observed. 0.0 WTPH-HCID Loose, damp to moist, black, wood fragments with some sand, gravel. brick, and metal fragments. No coal-like material, sheen or petroleum-like odors observed. 0.0 Grades to loose, damp to wet, brown wood chips with logs to 6 inch diameter. No coal-like material, sheen, or petroleum-like odors observed. Includes 50 percent large wood fragments. 5-0.0 EPA 8270 Test pit terminated @ ~6.5-feet bgs No groundwater encountered 10-15 **LEGEND** DATE Static Water Level at Drilling 200 Wash (% fines shown)

Static Water Level

Test Pit No.:



Grain Size Analysis (% fines shown)

Logged By: B.R.M.



Ground Surface Elevation: N/A Elevation Reference:

Adapt Engineering, Inc.

615 - 8th Avenue South Seattle, Washington 98104

Tel (206) 654-7045 Fax (206) 654-7048

TEST PIT LOG

Project : Former Rosen Property

Location : Terry Avenue North & Republican St.

Seattle, WA

: Stan Rosen c/o Riddell Williams Client

Project No: WA06-14141-PH2

Test Pit No.: **ATP-10** Page: 01 of 01 ABORATORY PA 8270 WTPH-HCID EPA 8270

WATER BEARING ZONE SAMPLE TYPE P.I.D. MATERIAL DESCRIPTION 2 to 3 inches of asphalt pavement over 3 to 4 inches gravel base course over medium dense, gray, gravelly, silty fine SAND mixed with dark gray to black, organic-rich, gravelly, silty fine SAND with minor isolated 0.0 coal-like fragments and large logs to 12 inches in diameter. No sheen or petroleum-like odors observed. Includes 30 percent large wood fragments. 0.0 Loose, damp to moist, black, wood fragments with some sand and gravel, Grades to damp to wet, brown, wood chips with larger fragments and logs. No coal-like material, sheen, or petroleum-like odors observed. Includes 70 percent large wood fragments. 5-0.0 Test pit terminated @ ~5.5-feet bgs No groundwater encountered 10-15-**LEGEND** DATE Static Water Level at Drilling 200 Wash (% fines shown) Static Water Level MC = XX Moisture Content (%)

SOIL CLASSIFICATION SYSTEM

	MAJOR DIVISIONS GROUP SYMBOL			GROUP NAME		
			GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL		
COARSE	GRAVEL	CLEAN GRAVEL	GP	POORLY-GRADED GRAVEL		
GRAINED SOILS	More Than 50% of Coarse Fraction	GRAVEL	GM	SILTY GRAVEL		
	Retained on No. 4 Sieve	WITH FINES	GC	CLAYEY GRAVEL		
			sw	WELL-GRADED SAND, FINE TO COARSE SAND		
More Than 50%	SAND	CLEAN SAND	SP	POORLY-GRADED SAND		
Retained on No. 200 Sieve	More Than 50% of Coarse Fraction	SAND	SM	SILTY SAND		
	Passes No. 4 Sieve	WITH FINES	sc	CLAYEY SAND		
		IN CORCANIC	ML	SILT		
FINE GRAINED	SILT AND CLAY	INORGANIC	CL	CLAY		
SOILS	Liquid Limit Less Than 50	ORGANIC	OL	ORGANIC SILT, ORGANIC CLAY		
			МН	SILT OF HIGH PLASTICITY, ELASTIC SILT		
More Than 50% Passes	SILT AND CLAY	INORGANIC	СН	CLAY OF HIGH PLASTICITY, FAT CLAY		
No. 200 Sleve	Liquid Limit 50 or More	ORGANIC	ОН	ORGANIC CLAY, ORGANIC SILT		
	HIGHLY ORGANIC SOIL	s	PT	PEAT		

NOTES:

- Field classification is based on visual examination of soil in general accordance with ASTM D2488-90.
- Soll classification using laboratory tests is in general accordance with ASTM D2487-90.
- Descriptions of soil density or consistency are based on interpretation of blow count data, visual appearance of soils, and/or test data.

SOIL MOISTURE MODIFIERS:

Dry - Absence of moisture, dusty, dry to the touch

Moist - Damp, but no visible water

Wet - Visible free water or saturated, usually soil is obtained from below water table



SOIL CLASSIFICATION SYSTEM

FIGURE A-1

SOIL GRAPHICS LABORATORY TESTS Atterberg limits AL Chemical analysis CA CP Compaction SM Soil Group Symbol Consolidation -CS (See Note 2) Direct shear DS Sieve Analysis GS Distinct Contact Between Soil Percent fines %F Strata Hydrometer analysis HA Permeability SK Gradual or Approximate Moisture content SM Location of Change Between Moisture and density MD Soil Strata Swelling test ST Triaxial compression TX Unconfined compression UC Approximate Location of Change Within a Geologic -Unit-FIELD SCREENING TESTS Visual Sheen Test Classifications No Visible Sheen NS SS Slight sheen Measured groundwater level Moderate sheen MS HS Heavy sheen Groundwater encountered Not tested during drilling **Vapor Measurements** Perched water encountered TLV TLV[™] sniffer PID Photo ionization detector during drilling Measured Free Product FID Flame ionization detector OVA Organic vapor analyzer Not tested **Bottom of Boring** SAMPLE GRAPHICS **BLOW-COUNT** Location of sample obtained in general Blows required to drive sampler accordance with Standard Penetration Test 12 inches using a 140-pound hammer falling 30-inches (ASTM D-1586) procedures Location of SPT sampling attempt with no recovery

NOTES:

8/7/02

P:\7\7131002\02\FINALS\7131002.GPJ GEIV2.GDT

SYMBOLS

0

KEY

131-002-03

- 1. The reader must refer to the discussion in the report text, the Key to Log Symbols and the exploration logs for a proper understanding of subsurface conditions.
- 2. Soil classification system is summarized in Figure A-1.

KEY TO LOG SYMBOLS

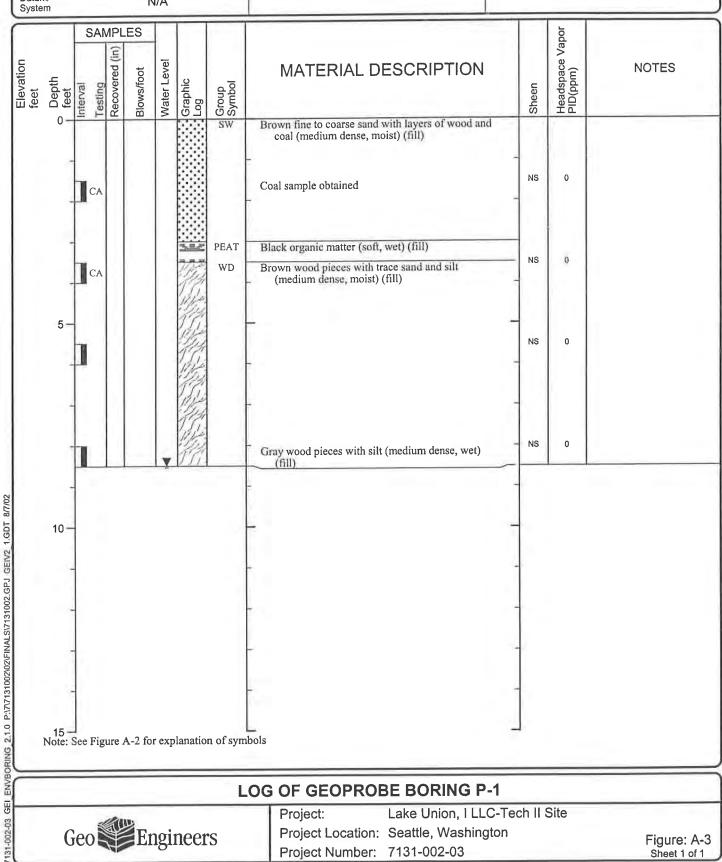


Project: Lake Union, I LLC-Tech II Site

Project Location: Seattle, Washington Project Number: 7131-002-03

Figure: A-2 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	8.5	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	8.5
Datum/ System	N/A				



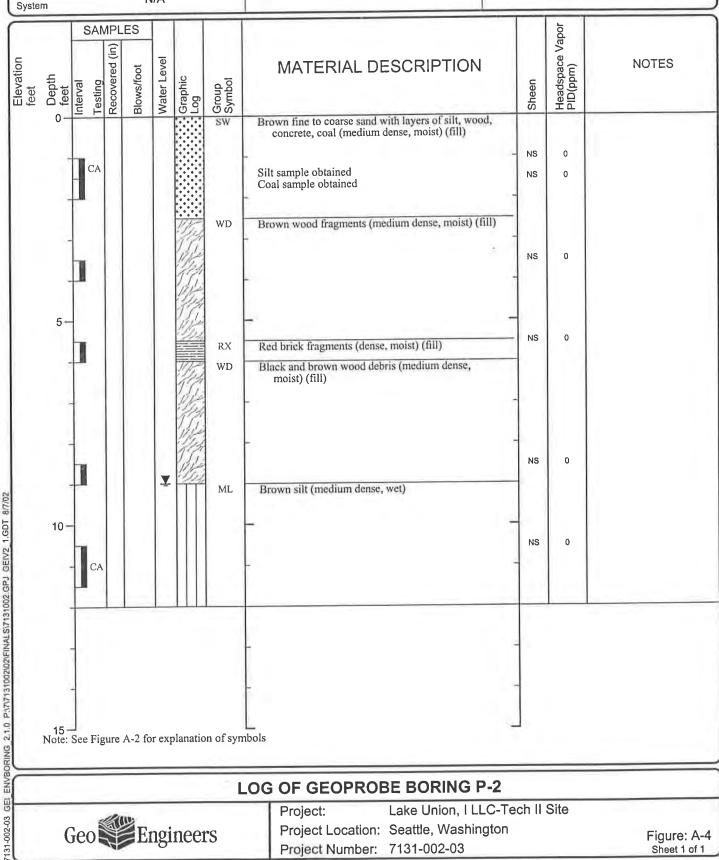


Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington Project Number: 7131-002-03

Figure: A-3 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	12	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	9
Datum/ System	N/A				



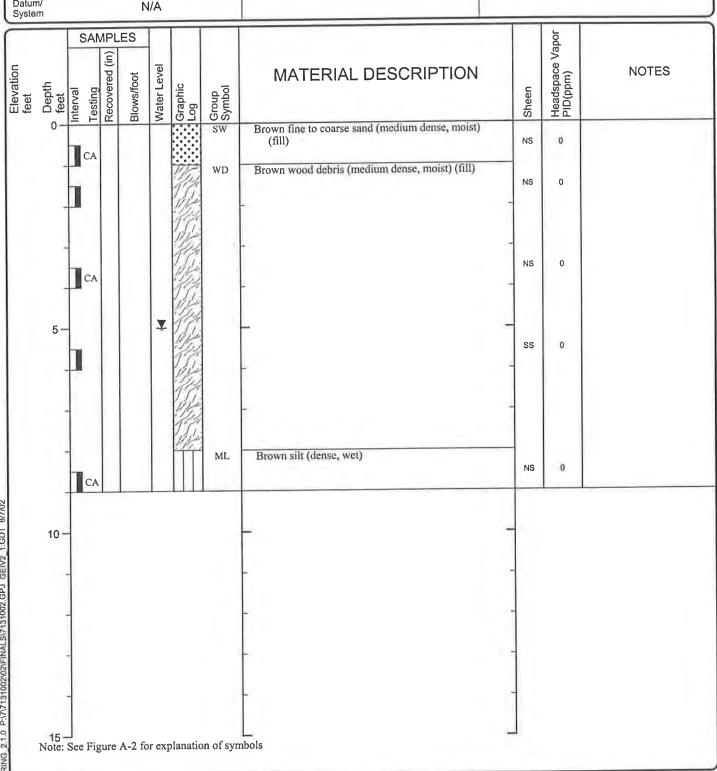


Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington Project Number: 7131-002-03

Figure: A-4 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	9	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	5
Datum/ System	N/A				



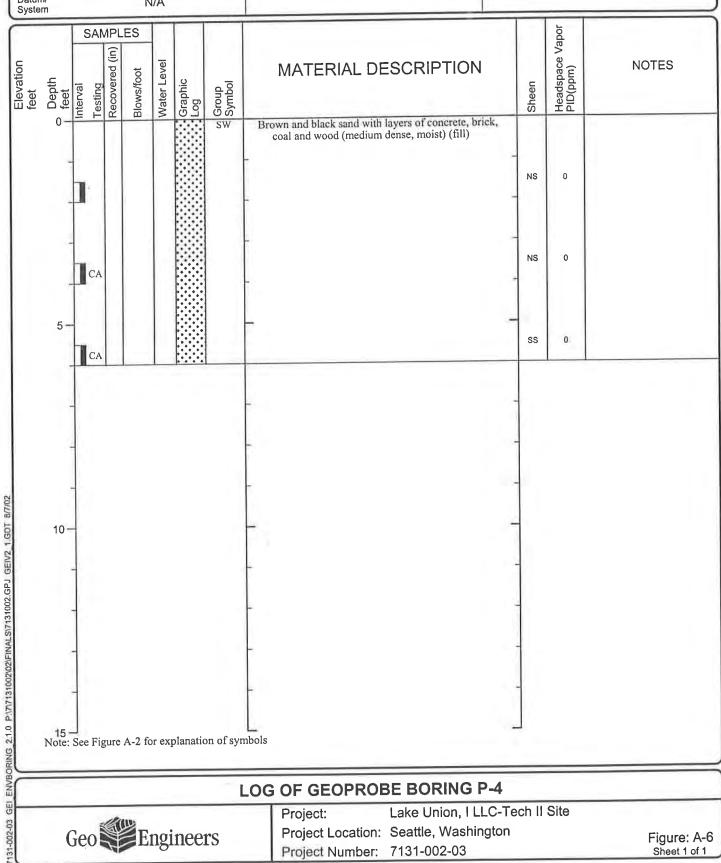


Project: Lake Union, I LLC-Tech II Site

Project Location: Seattle, Washington Project Number: 7131-002-03

Figure: A-5 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	6	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A				



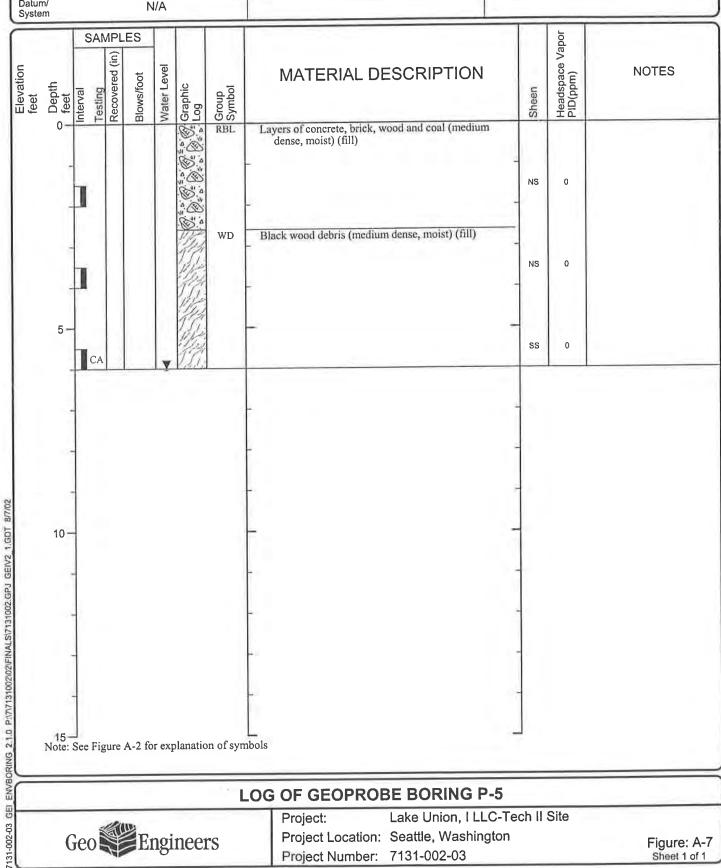


Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington Project Number: 7131-002-03

Figure: A-6 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	6	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	6
Datum/ System	N/A				





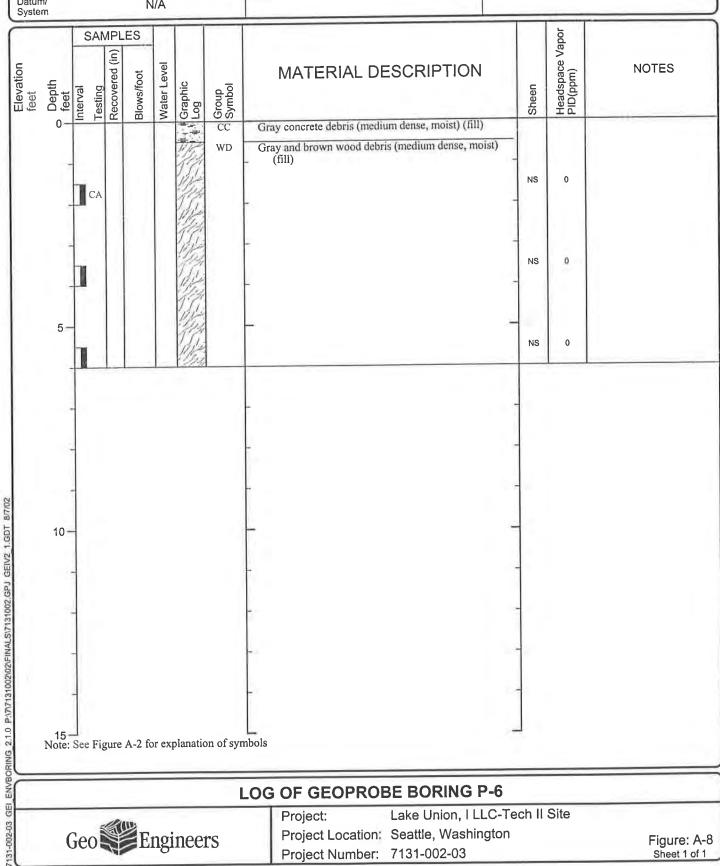
Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington

Project Number: 7131-002-03

Figure: A-7 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	6	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A				



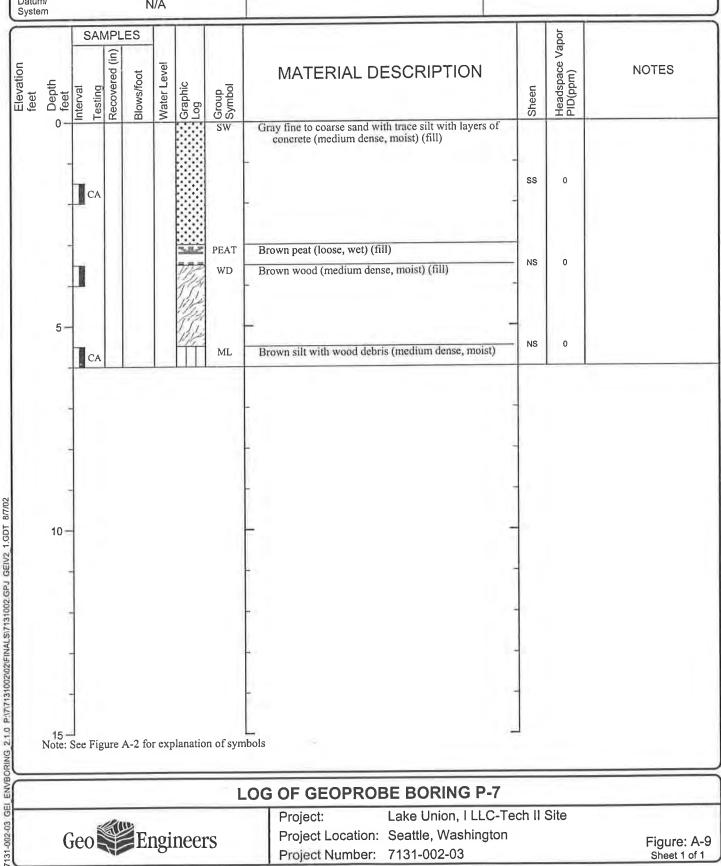


Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington Project Number: 7131-002-03

Figure: A-8 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	6	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A				





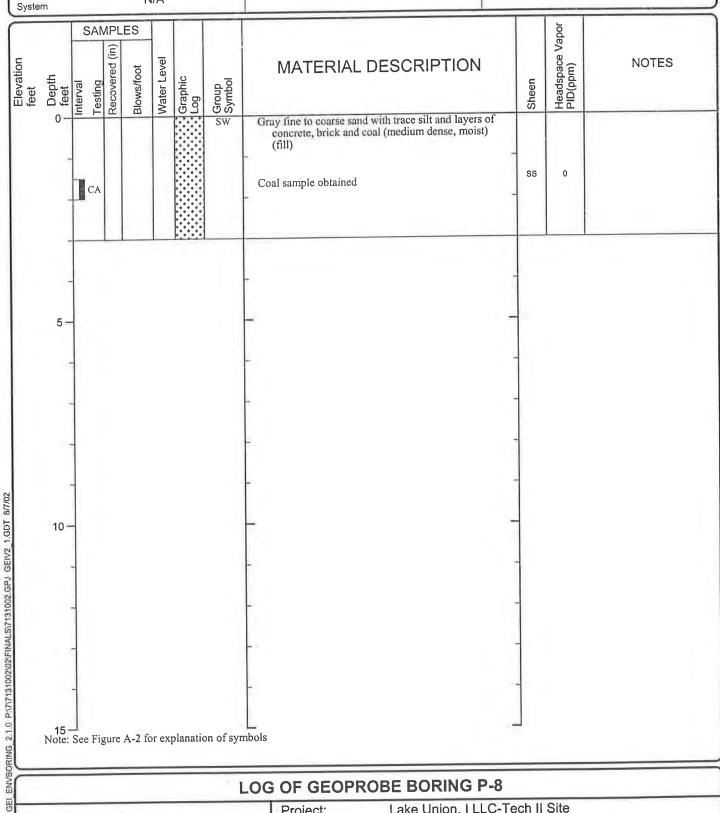
Lake Union, I LLC-Tech II Site

Project Location: Seattle, Washington

Project Number: 7131-002-03

Figure: A-9 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	3	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A				





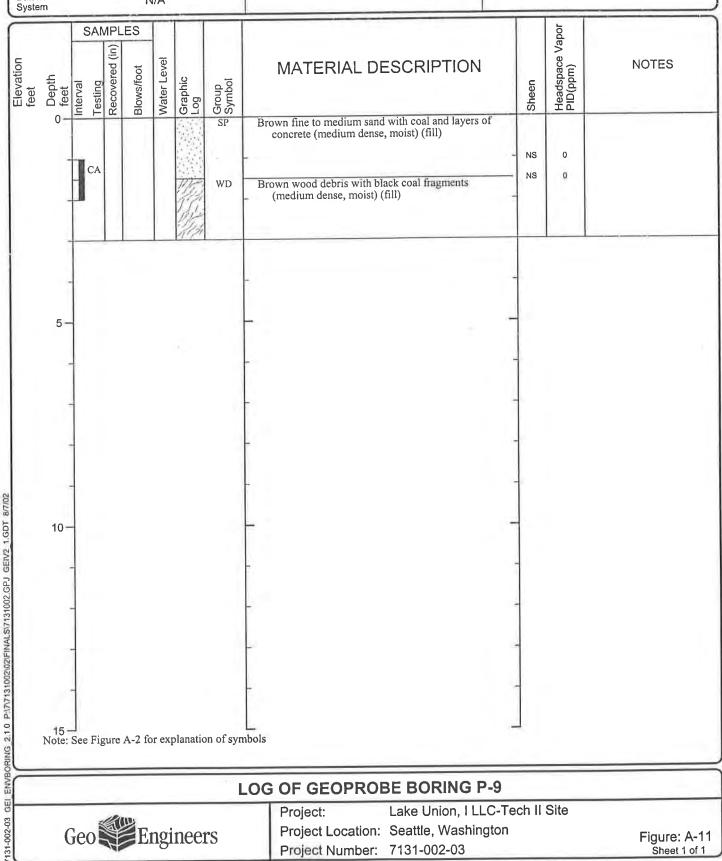
Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington

Project Number: 7131-002-03

Figure: A-10 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	3 -	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A				





Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington

Project Number: 7131-002-03

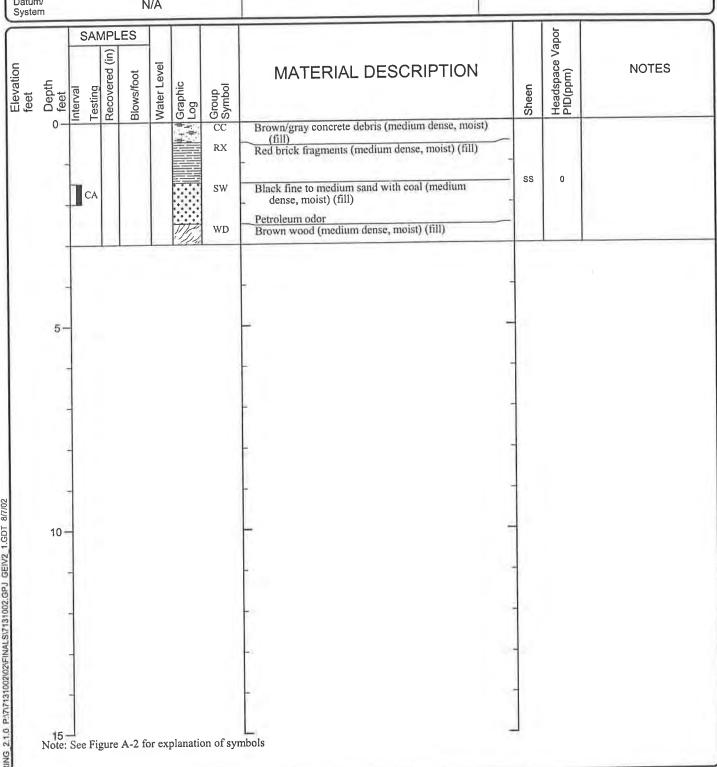
Figure: A-11 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	3	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A				

	SAMP	_						apor	
Elevation feet Depth feet	Interval Testing Recovered (in)	Blows/foot	Water Level	Graphic Log	Group Symbol	MATERIAL DESCRIPTION	Sheen	Headspace Vapor PID(ppm)	NOTES
0 —					SW	Brown fine to coarse sand with layers of coal (medium dense, moist) (fill)	NS	0	
	CA			11/5/	WD	Brown wood (medium dense, moist) (fill)	ss	0	
				را دران	sw	Gray fine to coarse sand with coal and wood fragments (medium dense, moist) (fill)			
-	-								
100							1		
5-							-		
							-		
-									
10 —							-		
							-		
							_		
15 – Note: \$	See Figure	: A-2 fo	ог ехр	lanatio	n of sym	pols	7		
					L	OG OF GEOPROBE BORING P-1	0		
(leo 🎇	E	ngi	neet	'S	Project: Lake Union, I LLC Project Location: Seattle, Washingt		Site	Figure: A-



Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	3	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A				





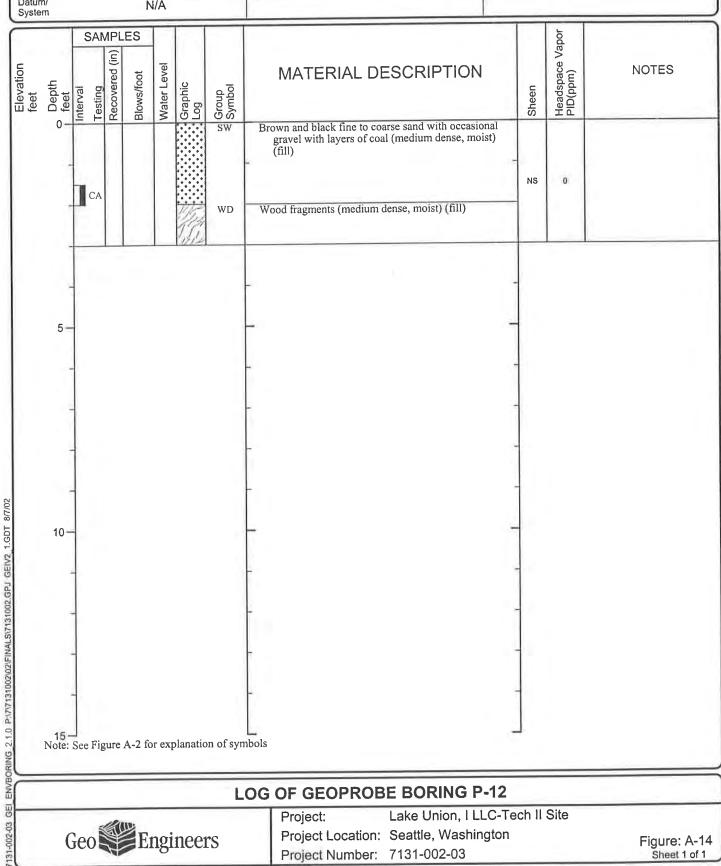
Project: Lake Union, I LLC-Tech II Site

Project Location: Seattle, Washington

Project Number: 7131-002-03

Figure: A-13 Sheet 1 of 1

Date(s) Drilled	06/12/02	Logged By	JAR	Checked By	BPP
Drilling Contractor	ESN	Drilling Method	Direct push	Sampling Methods	Split Spoon
Auger Data		Hammer Data		Drilling Equipment	Geoprobe
Total Depth (ft)	3	Surface Elevation (ft)	Not measured	Ground Water Level (ft. bgs)	None
Datum/ System	N/A	1			





Lake Union, I LLC-Tech II Site Project:

Project Location: Seattle, Washington

Project Number: 7131-002-03

Figure: A-14 Sheet 1 of 1

SCS ENGINEERS

Environmental Consultants

EUAHORUHANINA CORPUTATIVA

2950 Northup Way Bellevue, Wa 98004

(206) 822-5800 FAX (206) 889-2267

PROJECT: CITY OF SEATTLE

LOCATION: WESTLAKE

JOB NUMBER: 0489021.02

GEOLOGIST/ENGINEER: D. VENCHIARUTTI

DRILLER: HOKKAIDO

DRILLRIG: MOBIL B - 61

TOTAL DEPTH: 19' 10"

DATE STARTED: 1/28/91

DIAMETER: 6 1/4" I.D.

HOLE/WELL#: MW-1

DATE COMPLETED: 1/28/91

SAMPLING DEVICE: SPLIT SPOON

DRILLING METHOD: HOLLOW STEMAUGER PAGE: 1

District Method. Fiolegy of Law to Cart							
DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS/ 18"	USCS SYMBOL	DESCRIPTION	
•						Asphalt	
2 —		2" PVC			.Gm	Gravel fill, 1/2" - 1" gravel, brown silt.	
3 —		Blank Casing — Chip Bentonite	·				
5 💻			19630 19631	14	Gm	Sandy gravel, 1/2" - 1" gravel, silty brown soil, some grey clay	
6 — 7 —						some grey clay. HNu 0 ppm.	
8 —		Sand Filter					
9		2" PVC 333 333	19632 19633	11	sc	Silty grey clay, with med. coarse sand.	
11 -	;	Screen	19000			HNu 0 ppm. Water level	
12 -		※蓋※			sc	Sand, med. coarse, silty	
13 -					00	with grey clay. Wet. HNu 0 ppm.	
15							
16							
17					sc	Medium coarse sand with some clay, grey, plastic. HNu 0 ppm.	
19		Sediment	19634	-	ОН	Grey plastic clay. Decomposed wood and peat.	
20			19635			HNu 0 ppm.	

SCS **ENGINEERS**

Environmental Consultante

2950 Northup Way Bellevue, Wa 98004

(206) 822-5800 FAX (206) 889-2267

PROJECT: CITY OF SEATTLE

LOCATION: WESTLAKE

JOB NUMBER: 0489021.02

TOTAL DEPTH: 14'4"

HOLEWELL#: MW-2

DIAMETER: 6 1/4" I.D.

GEOLOGIST/ENGINEER: D. VENCHIARUTTI DATE STARTED: 1/30/91

DRILLER: HOKKAIDO

DATE COMPLETED: 1/30/91

DRILL RIG: MOBIL B - 61

SAMPLING DEVICE: SPLIT SPOON

DRILLING METHOD: HOLLOW STEM AUGER PAGE: 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS/ 18"	USCS SYMBOL	DESCRIPTION
0 — 1 — 2 —		Cernent			Gm	Asphalt Silty gravel soil, cobbles to 1". Some organic debris.
3 — 4 — 5 — 6 —		2" PVC Blank Casing - SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	19284 19285	30	Gm	 Dark green silt, with cobbles and assorted debris. Dry. HNu 0 ppm
7 — 8 — 9 —		2" PVC	19286 19287	35	Sm	Wet, clay rich green silt with some coarse sand. Concrete debris occur.
10 — 11 — 12 — 13 —		Sediment				
14 — 15 — 16 —		Trap	19288	25	sc	Concrete debris still present. Less sandy, more clay rich, plastic. Very wet. HNu 0 ppm
18			:			

PROJECT: CITY OF SEATTLE

HOLEWELL#: MW-3

Environmental Consultants

ENGINEERS

SCS

LOCATION: WESTLAKE

DIAMETER: 6 1/4" I.D.

JOB NUMBER: 0489021.02

TOTAL DEPTH: 17'

2950 Northup Way Bellevue, Wa 98004

GEOLOGIST/ENGINEER: D. VENCHIARUTTI DATE STARTED: 1/29/91

(206) 822-5800 FAX (206) 889-2267

DRILLER: HOKKAIDO

DATE COMPLETED: 1/29/91

SAMPLING DEVICE: SPLIT SPOON

DRILL RIG: MOBIL B - 61

DRILLING METHOD: HOLLOW STEMAUGER PAGE: 1

****	WO WILLIAM		,			
DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS/ 18"	USCS SYMBOL	DESCRIPTION
0 -		2" PVC			OL	Grass; on brown clayish silt. 10% gravel to 1".
3 — 4 — 5 — 6 —		Blank Casing Chip Bentonite	19641 19642	17	OL	 Green brown silt with some gray clay. Wood chips. 10% pebbles to 1". HNu 0 ppm.
9 — 10 — 11 —		2" PVC - Silver Pack Screen Size Silver Pack	19643 19644	11	ОН	Green-grey plastic clay, with minor silt. Wet. HNu 0 ppm. Water level
13 — 14 — 15 — 16 —		Sediment				
17 — 18 — 19 — 20 —		Trap ————————————————————————————————————	19645	19	ОН	Wet green, gray plastic clay. HNu 0 ppm.

PROJECT: CITY OF SEATTLE

LOCATION: WESTLAKE

HOLE/WELL#: MW-4

MOLENICLE #: 10177-4

DIAMETER: 6 1/4" I.D.

SCS

ENGINEERS
Environmental Consultants

2950 Northup Way Bellevue, Wa 98004

(206) 822-5800 FAX (206) 889-2267

JOB NUMBER: 0489021.02 TOTAL DEPTH: 15'

GEOLOGIST/ENGINEER: D. VENCHIARUTTI DATE STARTED: 1/29/91

DRILLER: HOKKAIDO DATE COMPLETED: 1/29/91

DRILL RIG: MOBIL B - 61 SAMPLING DEVICE: SPLIT SPOON

DRILLING METHOD: HOLLOW STEM AUGER PAGE: 1 OF: 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS/ 18"	USCS SYMBOL	DESCRIPTION
0		2" PVC			GC	Concrete Grey silty clay, some gravel. Petro hydrocarbon vapors. HNu 20 - 25 ppm.
3 — 4 — 5 — 6 —		Blank Casing Bentonite	19636	14	GC	 Gravel and cobbles to 6", with grey silty clay. Strong gas odor. HNu 50 -100 ppm.
7 — 8 — 9 —		2" PVC			sc	Water level Grey, silty medium sand. Wet. HNu 300 ppm.
10 — 11 — 12 —			19637 19638	6		
13		Sediment				
15 <u> </u>		Trap ————————————————————————————————————	19639 19640	4	ОН	– Plastic, grey silty clay. Some decomposed wood. Wet. HNu<5 ppm.
17 — 18 —						
20						

HOLE/WELL#: MW-5

ENGINEERS

Environmental Consultants

SCS

2950 Northup Way Bellevue, Wa 98004

(206) 822-5800 FAX (206) 889-2267

PROJECT: CITY OF SEATTLE

LOCATION: WESTLAKE

.....

DIAMETER: 6 1/4" I.D.

JOB NUMBER: 0489021.02

TOTAL DEPTH: 17' 4"

GEOLOGIST/ENGINEER: D. VENCHIARUTTI DATE STARTED: 1/31/91

DRILLER: HOKKAIDO

DATE COMPLETED: 1/31/91

DRILLRIG: MOBIL B - 61

SAMPLING DEVICE: SPLIT SPOON

DRILLING METHOD: HOLLOW STEMAUGER PAGE: 1

DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS/ 18"	USCS SYMBOL	DESCRIPTION
。 —						Asphalt
2	:	2" PVC Blank			CL	Green clay rich fill. Sand, silt and gravel mix. HNu 10 ppm.
3 - 4 - 5 - 6 - 7 - -		Casing - Chip Bentonite	19289 19290	38	ОН	Green-grey clay, very plastic. Some organic debris. Dry, some petro hydrocarbon vapors. HNu 5 - 7 ppm.
8 — 9 — 10 — 11 — 12 — 13 —		2" PVC Screen .010 Slot Size	19291 19292	8	OH	Green/grey plastic clay. Some cand. Organics present. Dry. HNu 250 ppm. Water level
14 — 15 — 16 — 17 — 18 — 19 — 20 —		Sediment Trap —	19294	11	ΟН	Very wet. Residual sand, with clay washed away. Smell of petroleum hydrocarbons. Wood debris common.

PROJECT: CITY OF SEATTLE

BH-4 HOLE/WELL#:

LOCATION: WESTLAKE

DIAMETER: 6 1/4" I.D.

JOB NUMBER: 0489021.02

TOTAL DEPTH:

2950 Northup Way Bellevue, Wa 98004

ENGINEERS Environmental Consultants

SCS

GEOLOGIST/ENGINEER: D. VENCHIARUTTI DATE STARTED: 1/30/91

(206) 822-5800 FAX (206) 889-2267

DRILLER: HOKKAIDO

DATE COMPLETED: 1/230/91

DRILLRIG: MOBIL B - 61

SAMPLING DEVICE: SPLIT SPOON

DRILLING METHOD: HOLLOW STEM AUGER PAGE: 1

	District No. 10 Ecov of Empoder 1762.							
DEPTH (FEET)	SAMPLE	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS/ 18"	USCS SYMBOL	DESCRIPTION		
0 — 1 — 2 — 3 —	,				Gm	Asphalt Brown sitty soil with 1" - 2" gravel.		
5 — 6 —			_ 19279 19280	25	OL	Green clay rich silt with cobbles and some organics. HNu 0 ppm.		
7 - 8 - 9 -			_ 19281 19282	29	OL	Same as above, but with more sandy silt, less clay. Some organics. HNu 0 ppm.		
10 —			92003m7g			Some organics. HNu 0 ppm. T.D. = 8'		
12 —	9							
14 -	100 April		L					
15 🚾								
16								
18								
19 -								
20								

SOIL CLASSIFICATION SYSTEM

	MAJOR DIVISIONS		GROUP SYMBOL	GROUP NAME
COARSE	GRAVEL	CLEAN GRAVEL	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
GRAINED			GP	POORLY-GRADED GRAVEL
SOILS	MORE THAN 50% OF COARSE FRACTION	GRAVEL WITH FINES	G M	SILTY GRAVEL
	ON NO. 4 SIEVE	WITH FINES	GC	CLAYEY GRAVEL
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND	CLEAN SAND	sw	WELL-GRADED SAND, FINE TO COARSE SAND
				POORLY-GRADED SAND
Q.	MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SIEVE	SAND WITH FINES	SM	SILTY SAND
			sc	CLAYEY SAND
FINE	SILT AND CLAY		ML	SILT
GRAINED		INORGANIC	CL	CLAY
SOILS	LIQUID LIMIT LESS THAN 50	ORGANIC	OL	ORGANIC SILT, ORGANIC CLAY
MORE THAN 50%	SILT AND CLAY		мн	SILT OF HIGH PLASTICITY, ELASTIC SILT
PASSES NO. 200 SIEVE		INORGANIC	СН	CLAY OF HIGH PLASTICITY, FAT CLAY
	LIQUID LIMIT 50 OR MORE	ORGANIC	ОН	ORGANIC CLAY, ORGANIC SILT
н	GHLY ORGANIC SOIL	s	PT	PEAT

NOTES:

- Field classification is based on visual examination of soil in general accordance with ASTM D2488-84.
- Soil classification using laboratory tests is based on ASTM D2487-85.
- Descriptions of soil density or consistency are based on interpretation of blowcount data, visual appearance of soils, and/or test data.

SOIL MOISTURE MODIFIERS:

- Dry Absence of moisture, dusty, dry to the touch
- Moist Damp, but no visible water
- Wet Visible free water or saturated, usually soil is obtained from below water table



LABORATORY TESTS:

CA Chemical Analysis

FIELD SCREENING TESTS:

Headspace vapor concentration data given in parts per million

Sheen classification system:

NS No Visible Sheen

SS Slight Sheen

MS Moderate Sheen

HS Heavy Sheen

NT Not Tested

SOIL GRAPH:

SM Soil Group Symbol (See Note 2)

Distinct Contact Between Soil Strata

Gradual or Approximate Location of Change Between Soil Strata

☑ Water Level

Bottom of Boring

BLOW-COUNT/SAMPLE DATA:

Blows required to drive a 2.4-inch I.D. split-barrel sampler 12 inches or other indicated distances using a 300-pound hammer falling 30 inches.

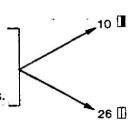
12 Ø

Location of relatively undisturbed sample

Location of disturbed sample

Location of sampling attempt with no recovery

Blows required to drive a 1.5-inch I.D. (SPT) split-barrel sampler 12 inches or other indicated distances using 140-pound hammer falling 30 inches.



Location of sample obtained in general accordance with Standard Penetration Test (ASTM D-1586) procedures

Location of SPT sampling attempt with no recovery

Location of grab sample

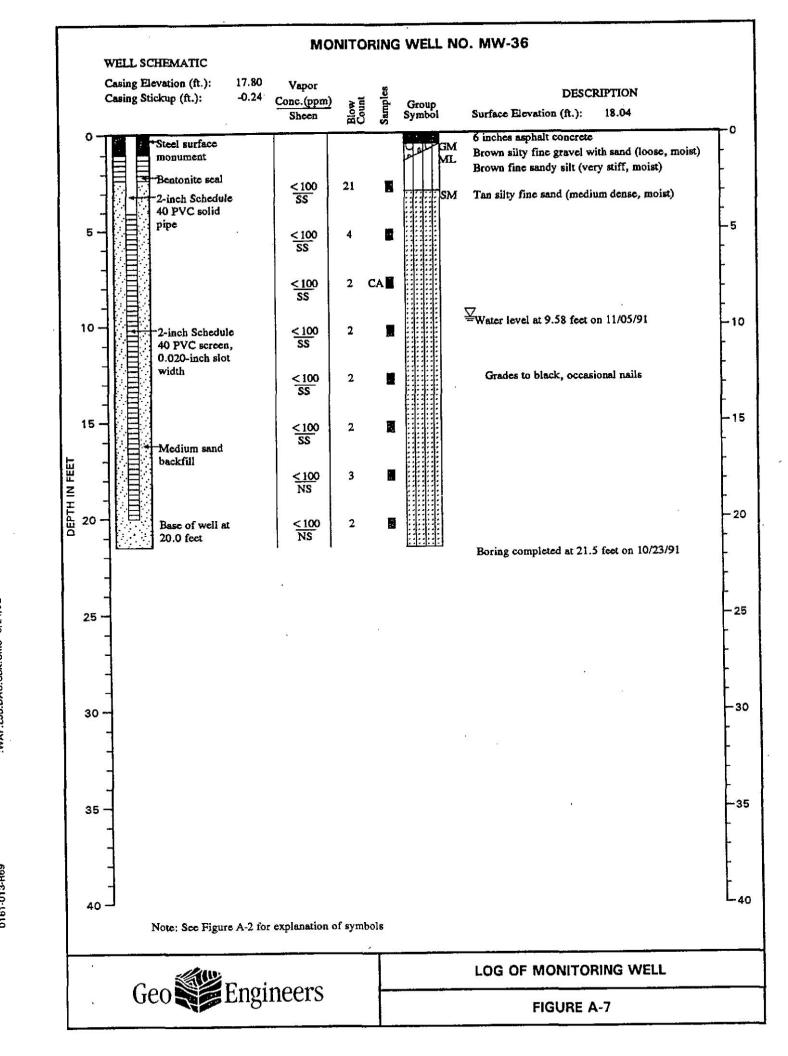
"P" indicates sampler pushed with weight of hammer or against weight of drill rig.

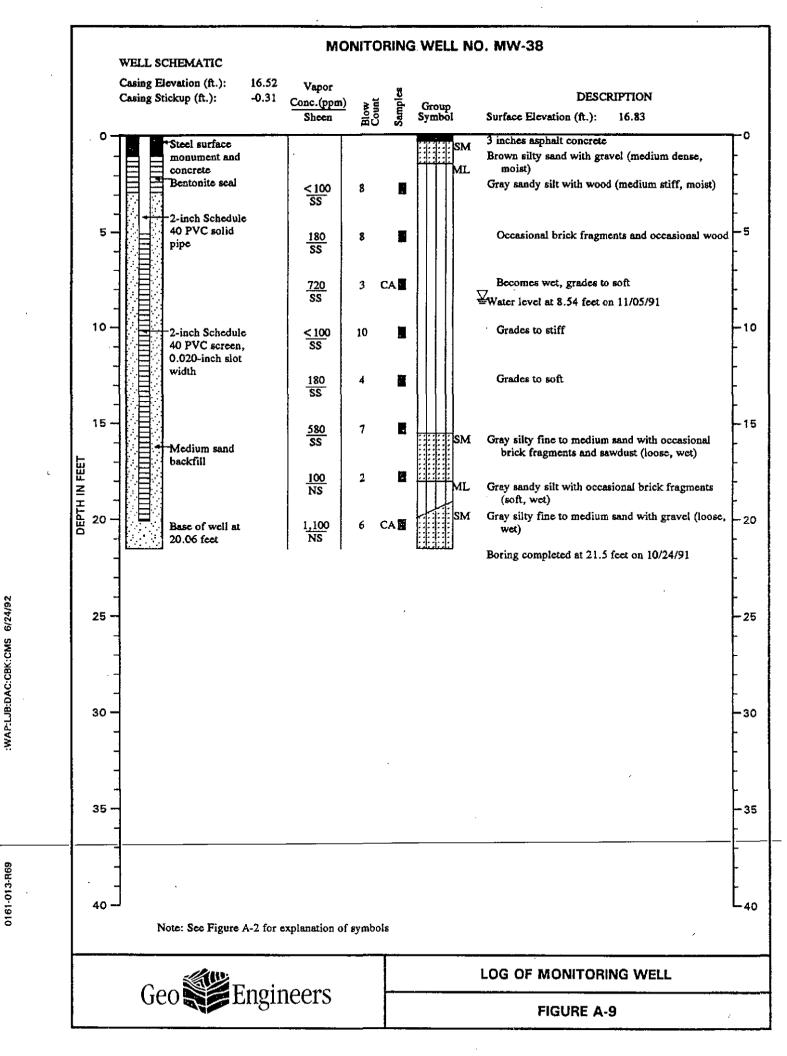
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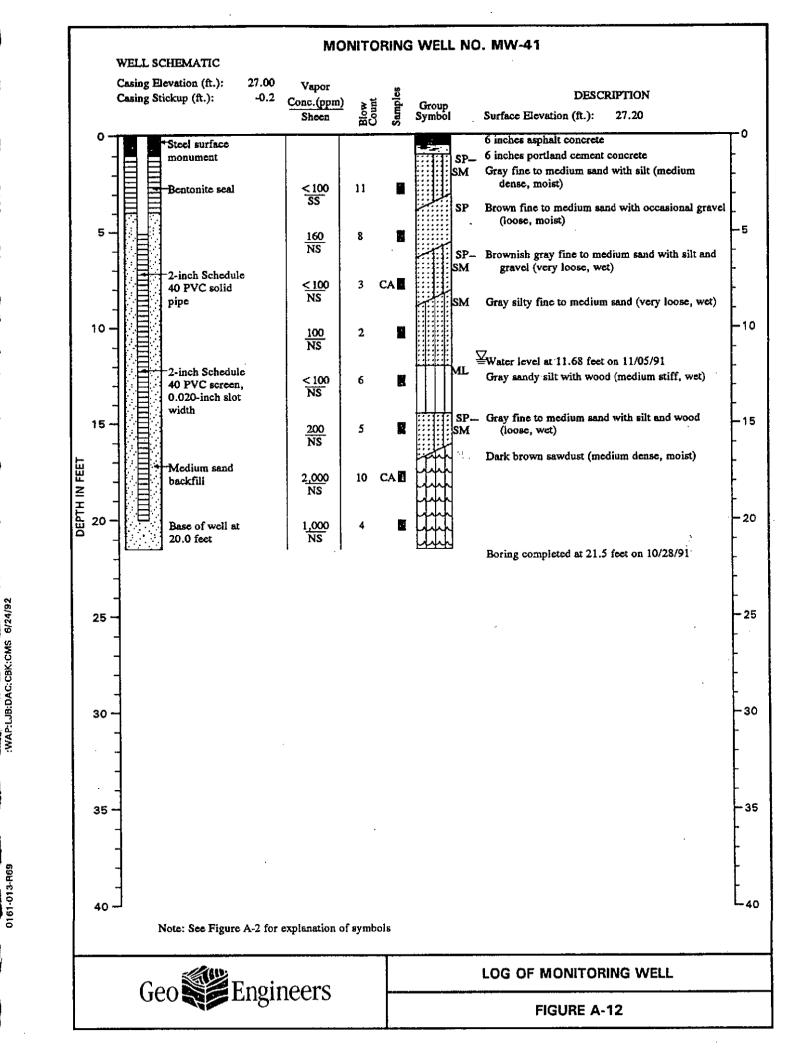
- 1. The reader must refer to the discussion in the report text, the Key to Boring Log Symbols and the exploration logs for a proper understanding of subsurface conditions.
- Soil classification system is summarized in Figure A-1.

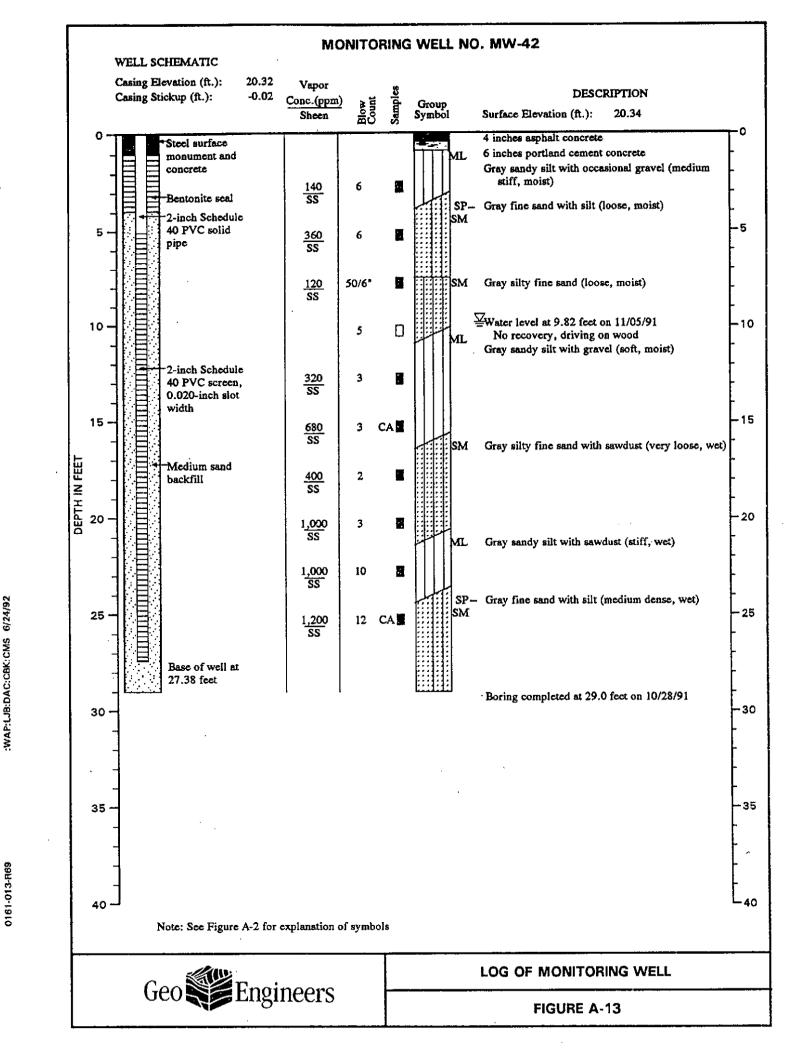


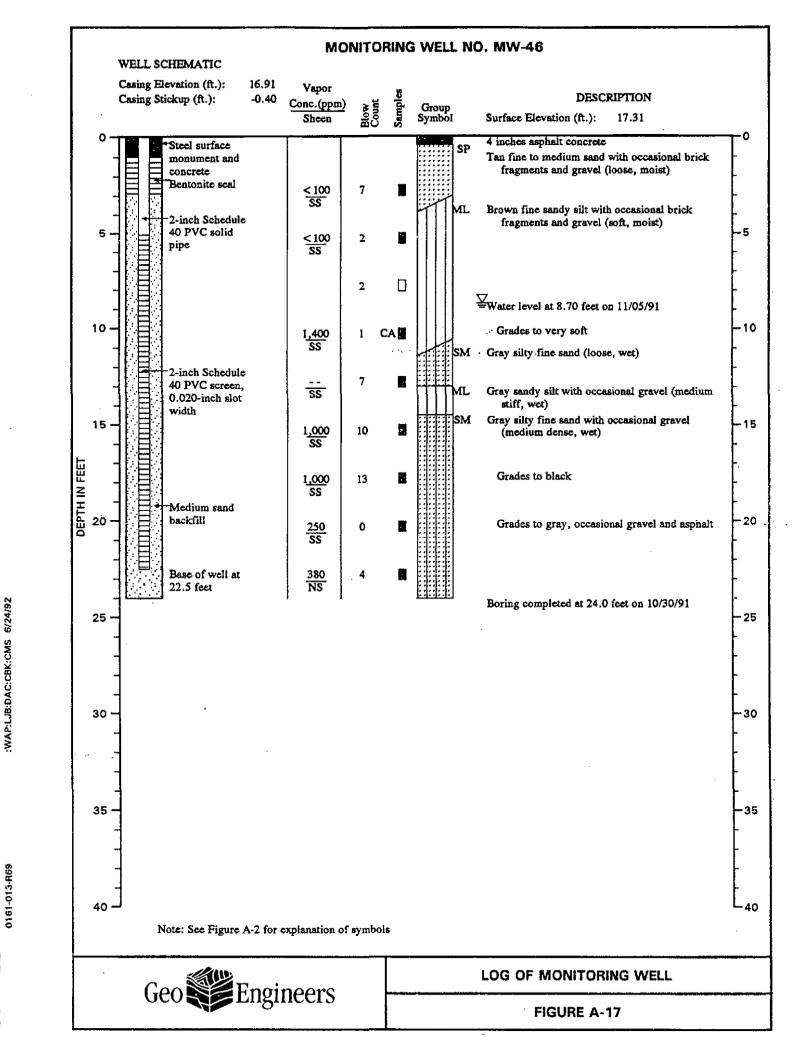
KEY TO BORING LOG SYMBOLS

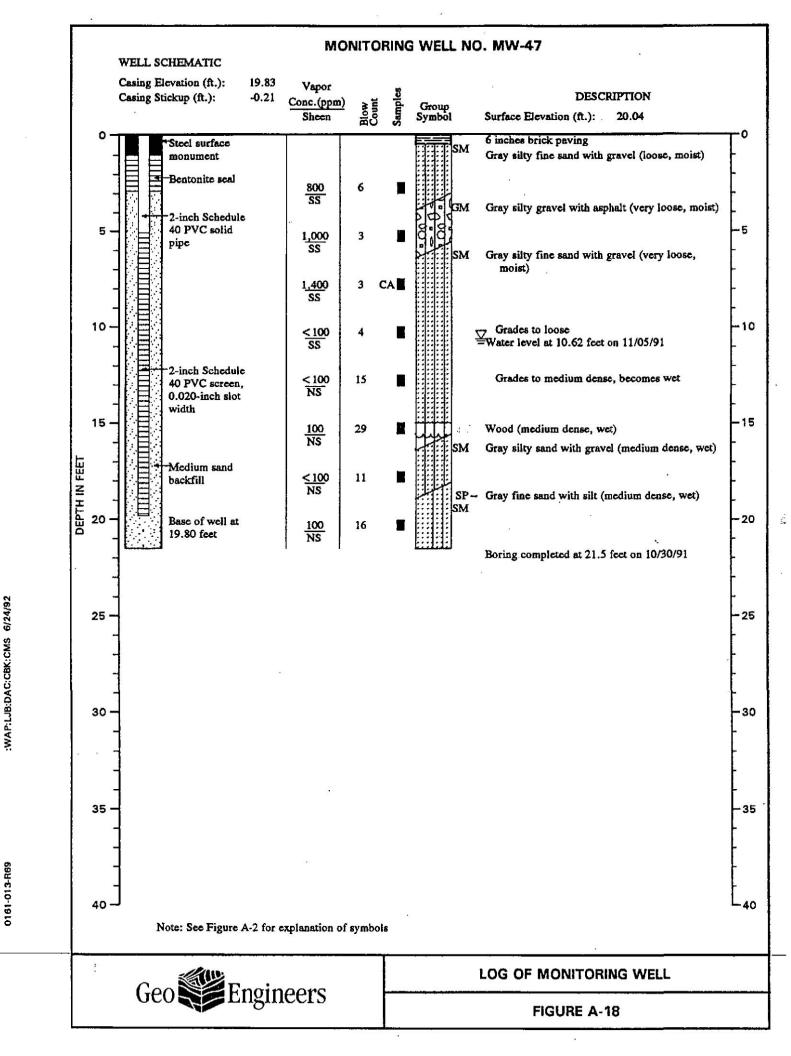




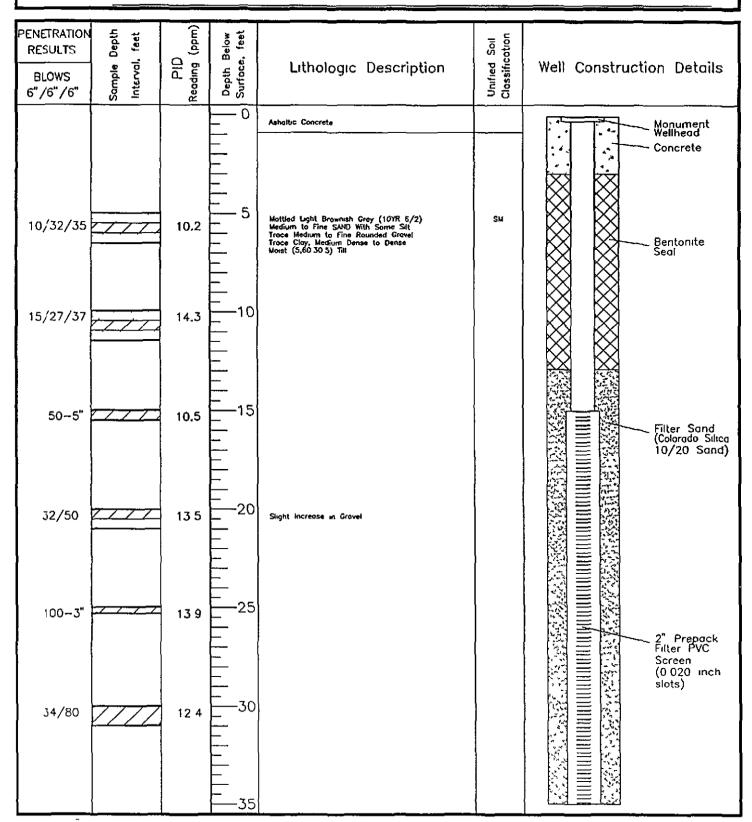








BORING: MW-3 SEACOR BORING LOG PAGE 1 OF 3 PROJECT CIRCLE K LOCATION 12660 1ST AVE. S. SEATTLE, SURFACE ELEVATION CASING TOP ELEVATION START 4/19/94 4/19/94 11:35 FINISH DJD SAMPLER MICROTIP PID MONITORING DEVICE SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1 COMMENTS SAMPLE EVERY 5' WITH 3" X 1 5' LONG SPLIT SPOON 10-1/4" HSA



SEACOR

BORING LOG

BORING: MW-3
PAGE 2 OF 3

PROJECT CIRCLE K #1436

SURFACE ELEVATION - CASING TOP ELEVATION START 4/19/94 7:59

SAMPLER DJD

MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
60 35/50 75		129 111	30 35 40 45	No Sample-Rock in Shoe		Filter Sand (Colorado Silica 10/20 Sand) 2 Prepack Filter PVC Screen (0 020 inch slots)
100		NS	50 50	No Sample-"Pushing a Rock" Drill Past		2 Prepack Filter PVC Screen (0 020 inch slots)
100-2" 50/50		109	55 	Rock in Shoe-Small Sample Slight increase in Sitt		
33,33			65			

SEACOR BORING LOG PROJECT_CIRCLE K #1476 SURFACE ELEVATION - CASING TOP ELEVATION - START 4/19/94 7:59 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 1 5' LONG SPLIT SPOON BORING: MW-3 PAGE 3 OF 3 PAGE 3

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Sou Classification	Well Construction Details
35/50			-60 - - - - - - - -	Grayish Brown (10YR 5/2) Coorse to Fine Sand with Some Silt. A Little Coarse to Fine Sub-rounded Grayel. Trace Silt Dense, Wet (10YR 5/2) Grayish Brown (10yr 5/2) Coorse to Fine Sand A Little Silt Trace Grayel Dense, Moist (5 70 250)		Filter Sand (Colorado Silica 10/20 Sand) 2" Prepack Filter PVC Screen (0 020 inch slots)
50/50 100		99	—70 - - - - - -75	Light Gray (10'R 7/2) GrayIsh Brown (10'R 5/2) Silt. Thinly Laminated Trace Sand Dry (0 10 90 0 CrayIsh Brown (10'R 5/2) Coarse to Fine Sand A Little Silt Trace Gravel Dense, Moist (5-70 25 0) Bonng terminated at 75 feet Sampler advanced to 76 feet		slots) Bottom Cap
		- - - - - - - - - - - - - - - - - - -	- 80 - - - - 85	Croundwater encountered at approximately 65 feet during drilling Bonng converted to a groundwater monitoring well on 4/19/94		
			- - - - - - -			
			- 95			

SEACOR BORING LOG PROJECT_CIRCLE K SURFACE ELEVATION - CASING TOP ELEVATION START_ 4/19/94 1.54 SAMPLER_DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA COMMENTS_SAMPLE EVERY 5" WITH 3" X 1.5" LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surfoce, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
			ابابابابا	Asholtic Concrete		Monument Wellhead Concrete
27/50	777,	20 6	5	Groynsh Brown (10YR 5/2) Medium to Fine Sand Some Silt Dense, Moist (0,75,25 0)		Bentonite Seal
50		18 4	- - - - - - - - - -	Light Grayish Brown (10YR 6/2) Medium to Fine Sand Some Silt Rara Fine Rounded Gravel Dense, Moist (5,70,250) Till	SM	
16/50		198	- - - - - - -	Light Grayish Brown (107R 6/2) Medium to Fine Sand Some Silt A Little Fine Gravel Trace Clay Dense, Moist, (12,50,35.3)		Filter Sand (Colorado Silica 10/20 Sand)
50-2"	7///	12 0	20 	Slight Oncrease in Grovel		
27/50	,,,,,	90	25 25 			2" Prepack Filter PVC Screen (0 020 inch slots)
35/50	7///	177	30 30 			2" Prepack Filter PVC Screen (0 020 inch slots)
	9		 35			

SEACOR	BORING	LOG	BORING: MW-4 PAGE 2 OF 3
PROJECT CIRCLE K SURFACE ELEVATION -	<u> </u>	LOCATION 12660 CASING TOP ELE	1ST AVE. S. SEATTLE, WAR
START 4/19/94 1:54 SAMPLER DJD		ISH <u>4/19/94</u>	OTIP PID
SUBCONTRACTOR AND EQUIPMENT COMMENTS SAMPLE EVERY 5' WITH			
			

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
50		93	30 			Filter Sand (Colorado Sifica 10/20 Sand) 2* Prepack Filter PVC Screen (0 020 inch slots)
50	7777	93	40			
50		10.6	- - - - - - - - -			Filter Sand (Colorado Silica 10/20 Sand)
100		12.2	50			2" Prepack Filter PVC Screen (0 020 inch slots)
70		94	55 55	Grayish Brown (107R 5/2) Coorse to Fine Rounded Sand Some Silt. Trace Coorse to Fine Rounded Gravel Trace Clay Dense, Moist. (10 57,30 3)		1 1861 = 1864 - 1
60	<u> </u>	98	60			

SEACOR BORING LOG BORING: MW-4 PAGE 3 OF 3 PROJECT CIRCLE K #1476 SURFACE ELEVATION - CASING TOP ELEVATION START 4/19/94 7 59 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

PENETRATION	£ +	Ê	2 5		-	
RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
55		10 9	60 			Filter Sand (Colorado Silica 10/20 Sand)
50		98	- - - - - - - - - - - - - - - - - - -	Grayish Brown (107R 5/2) Coarse to Fine Rounded Sand Some Sit. Trace Coarse to Fine Rounded Gravel Trace Clay Denise Moist (10,57,30,3)		Screen (0 020 inch slots)
50		107	75 - - - - -	Grayish Brown (10YR 5/2) Coarse to Fine Sand With Some Silt Trace Clay Dense, Moist (0,80,18 2)		Bottom Cap
35/50	7777	12.4	80 	Bonng terminated at 80 feet Sampler advanced to 81 feet Bonng converted to a groundwater mondaring well on 4/19/94		
			90			

SEACOR

BORING LOG

BORING MW-5
PAGE 1 OF 3

PROJECT CIRCLE K #1476

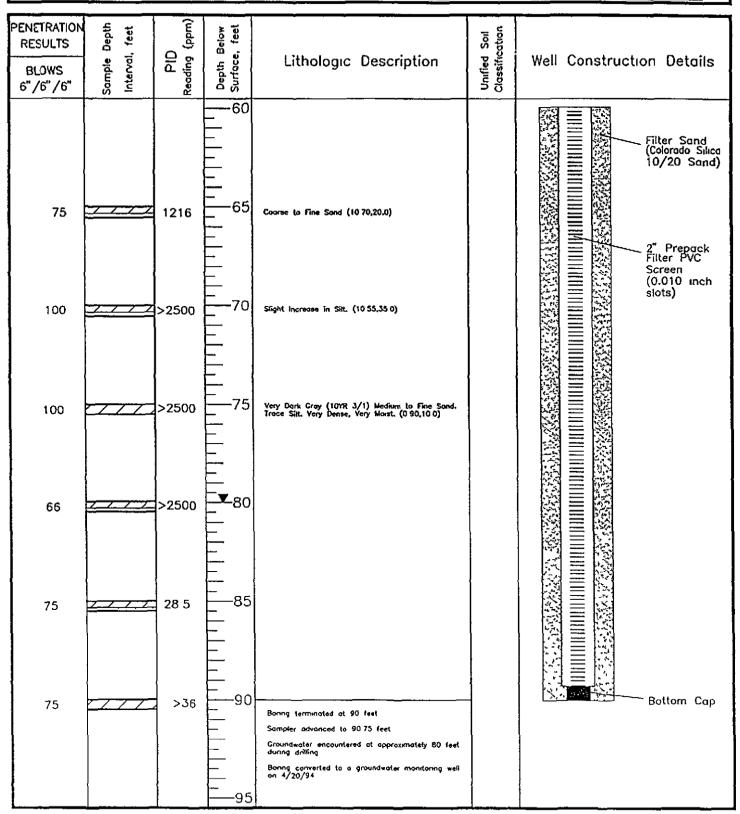
SURFACE ELEVATION CASING TOP ELEVATION
START 4/20/94 12 30
SAMPLER DJD
MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
		į		Ashaltic Concreta		Monument Wellhead Concrete
27/50	7777	81	5	Groyish Brown (10YR 5/2), Coorse to Fine Sond with some Silt. Trace Coarse to Fine Rounded Grovel, Trace Silt. Very Dense, Moist (10,45,40.5) Till,	SM	Bentonite Seal
50		10.1	10 			
48/50	777	130	15 15 15 			Filter Sand (Colorado Silica 10/20 Sand)
60	7.7.7.	98	20	Slight Increase in Gravel		Filter Sand (Colorado Silica 10/20 Sand)
50		127	25			[[조선 프 [조건
50		105	30			2" Prepack Filter PVC Screen (0 010 inch slots)
	\$		35			

SEACOR BORING LOG BORING MW-5 PAGE 2 OF 3 PROJECT CIRCLE K #1476 SURFACE ELEVATION CASING TOP ELEVATION START 4/20/94 12:30 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Clossification	Well Construction Details
73	7.7.7.	>2500	—30 ——30 ——35 ——35	Slight Increase in Fines. Hydrocarbon-like ador		Filter Sand (Colorado Silica 10/20 Sand) 2" Prepack Filter PVC Screen (0 010 inch slots)
100/100		976 284 >2500	40 40 	Sheen Test Negative		
100	7777	>2500	45 45 			Filter Sand (Colorado Sílica 10/20 Sand)
100	7777	>2500	 50 	Increase in Sand		2" Prepack Filter PVC Screen (0 010 inch slots)
100	7777	>2500	55 55 	Gray (107R 6/1) Medium to Fine Sand with some Silt. Trace Medium to Fine Rounded Gravel. Very Dense, Moist (10 60 30 0) Hydrocorbon—like adar		1 18754 = 19554
80	7777	1236	60			

SEACOR BORING LOG PROJECT CIRCLE K #1476 SURFACE ELEVATION - CASING TOP ELEVATION - START 4/20/94 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON



SEACOR

BORING LOG

BORING MW-6
PAGE 1 OF 2

PROJECT CIRCLE K #1476

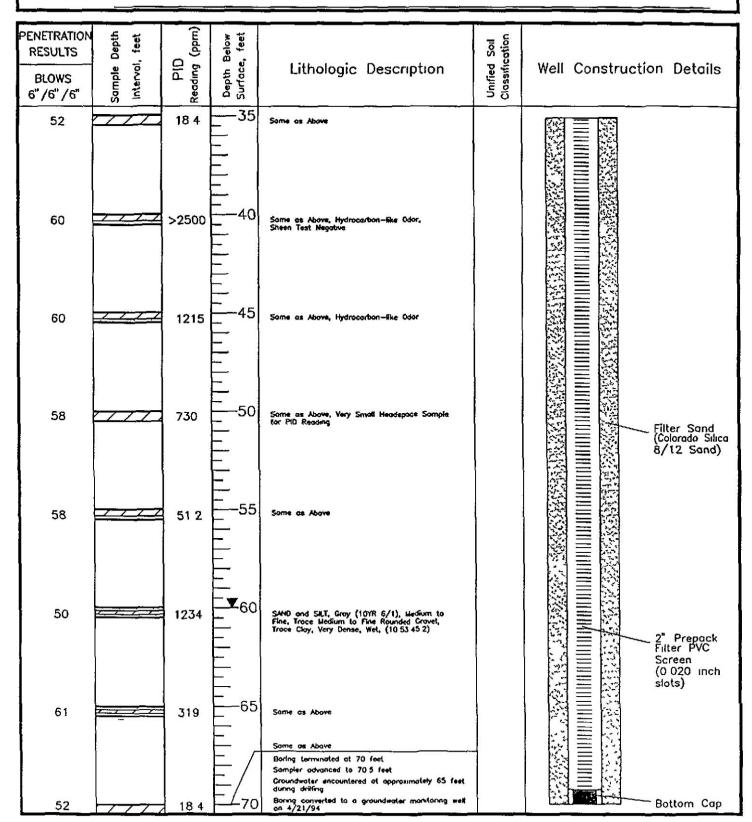
LOCATION12660 1ST AVE S. SEATTLE, WA
SURFACE ELEVATION - CASING TOP ELEVATION START 4/20/94 7:21

SAMPLER DJD

MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 15' LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Somple Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Sail Classification	Well Construction Details
			<u> </u>	Ashalluc Concrete		Monument Wellhead
24/50		68	5	Gray (107R 5/1) Coarse to Fine Sond with Some Silt, a Little Rounded Gravel Very Dense, Maist, (12.50, 280) Till	SM	Concrete
16/50		8 1	10 10 	Grayish Brown (10YR 5/2)		
60		4.1	 15 			Filter Sand (Colorado Silica 8/12 Sand)
77		43	20 			Filter Sand (Colorado Silica 8/12 Sand)
50	<u> </u>	115	25 25 			1 1.354 - 1557 1
62		71	30 30 	Some Sitt Trace Coarsa to Fine Rounded Gravet Trace Clay Very Dense Moist (10 65 20 5)		2" Prepack Filter PVC Screen (0 020 inch slots)

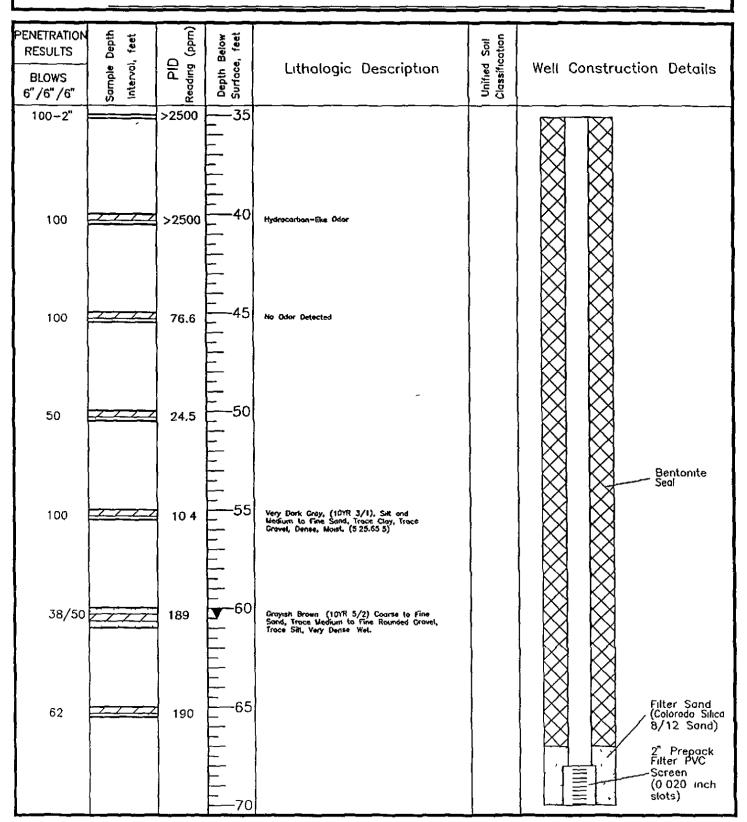
BORING LOG BORING: MW-6 PAGE 2 OF 2 PROJECT CIRCLE K #1476 SURFACE ELEVATION - CASING TOP ELEVATION START 4/20/94 7:21 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4" HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON



SEACOR BORING LOG BORING. AI-1 PAGE 1 OF 3 PROJECT CIRCLE K #1476 SURFACE ELEVATION - CASING TOP ELEVATION START 4/21/94 7:07 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 15' LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
17/20/32 35/50	7777	244	- 0 - - - 5 - - - -	Gray (10YR 5/1) Medium to Fine Sand and Sit. Trace Fine Rounded Gravel Dense, Most. (10.50 40 0) Till.	SM	Monument Wellhead Concrete Bentonite Seal
65–2"		48 8	- - -15 -	Rock in Shoe		
75	<i></i>	>2500	- - 20 - -	Mottled, Very Dense, Some as Above, Hydrocarbon-like Odor		
75	2-7-7-7	648	- 25 - -			
90		2120	- - - - - - - - - - - - - - - - - - -			

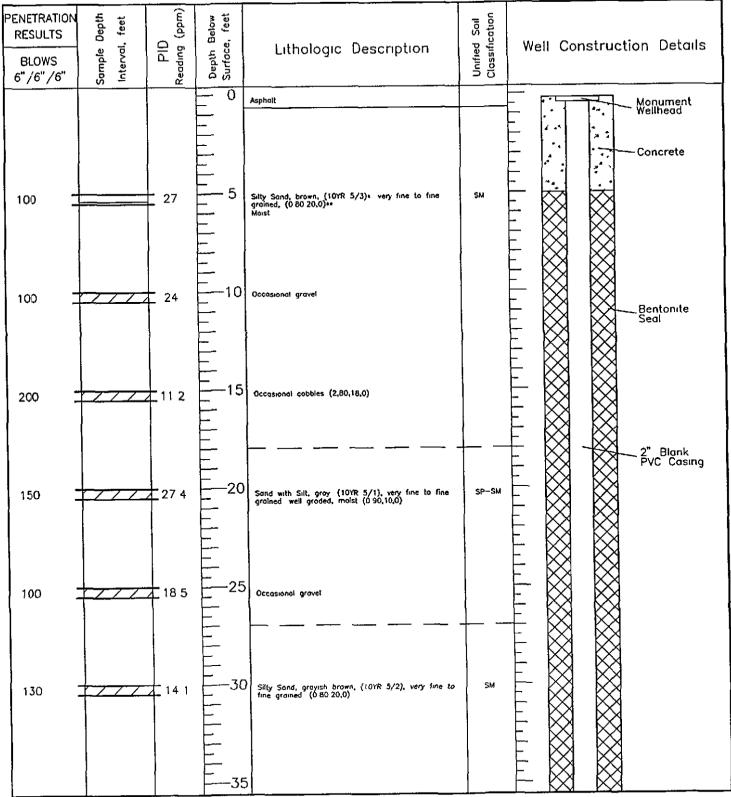
SEACOR BORING LOG BORING: Al-1 PAGE 2 OF 3 PROJECT CIRCLE K #1476 SURFACE ELEVATION - CASING TOP ELEVATION START 4/21/94 7:07 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 15' LONG SPLIT SPOON

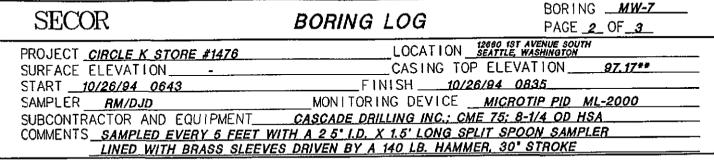


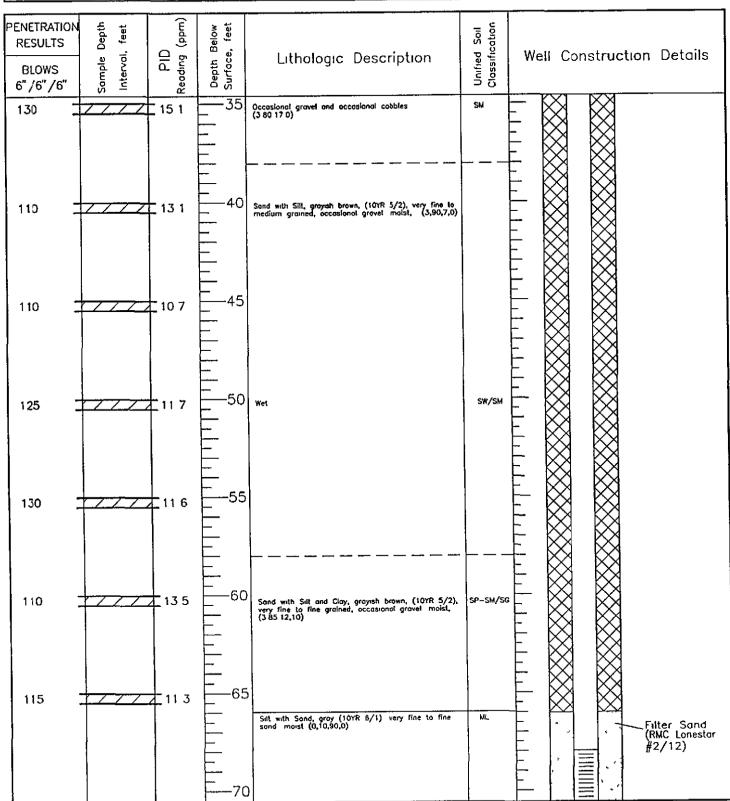
SEACOR BORING LOG BORING AI-1 PAGE 3 OF 3 PROJECT CIRCLE K #1476 SURFACE ELEVATION - CASING TOP ELEVATION START 4/21/94 7.07 SAMPLER DJD MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC 10-1/4"HSA COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
	Sample	PIC 8	90 75 80 85 90 95 10 10 10 10 10 10 10 1	Grayish Brown, (107R 5/2) Medium to Fine Sand and Silt, Trace Fine Rounded Gravel, Yery Dense, Yery Moist, (10 50 40.0) Croyish Brown, (107R 5/2) Coarse to Fine Sand, Trace Medium to Fine Rounded Gravel, Trace Silt, Yery Dense, Moist, (15 70 15 0) Boring terminated at 70 feet Sampler advanced to 70 5 feet Groundwater encountered at approximately 60.5 feet during drilling Boring converted to a groundwater monitoring well on 4/21/34	Unified Clossific	Filter Sand (Colorado Sílico 8/12 Sand) 2" Prepack Filter PVC Screen (0.020 Inch slots) Bottom Cap
			- - - - - - 10	5		

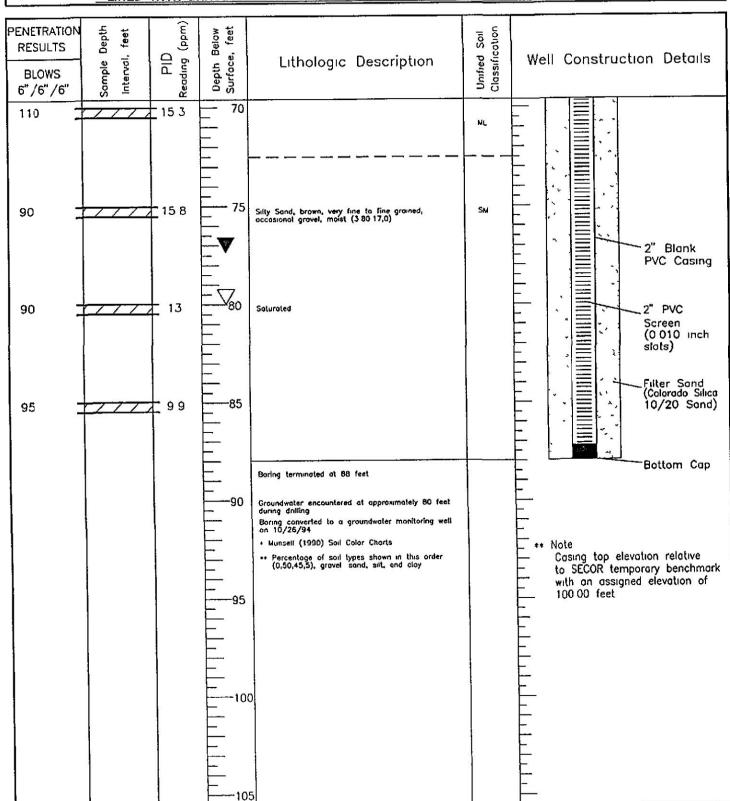
SECOR	BORING LOG	BORING <i>MW-7</i> PAGE _1_ OF_3_
301111100 000000	LOCATION	
START <u>10/26/94 0643</u> SAMPLER <u>RM/DJD</u> SUBCONTRACTOR AND EQUIPMENT_	MONITORING DEVICE CASCADE DRILLING INC.; CME	MICROTIP PID ML-2000 75; 8-1/4 OD HSA
COMMENTS <u>SAMPLED EVERY 5 FEET</u> <u>LINED WITH BRASS SLEE</u>	<u>WITH A 2.5" D X 1.5" LONG SPLI</u> VES DRIVEN BY A 140 LB. HAMME!	R, 30" STROKE



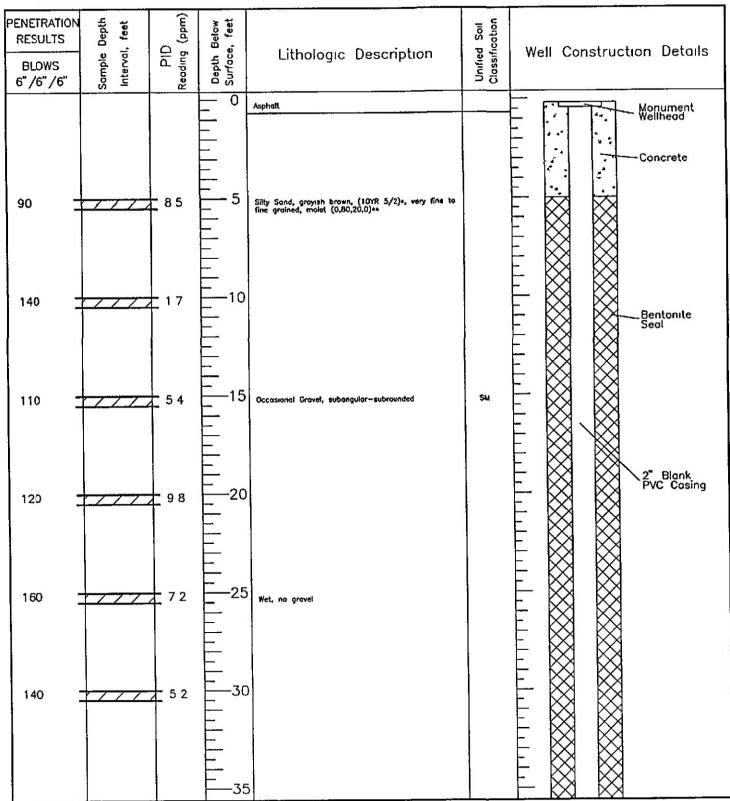




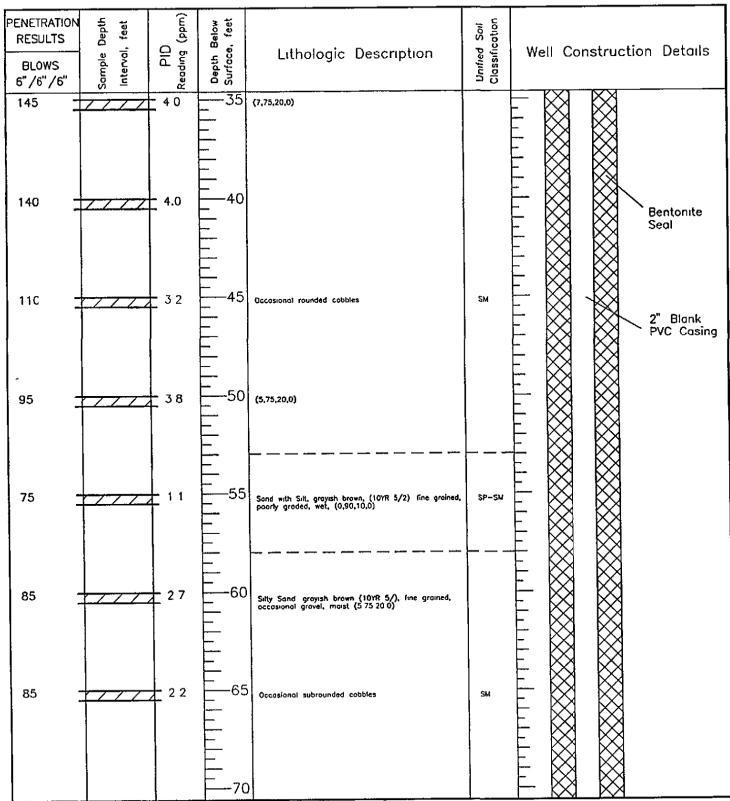
BORING _MW-Z **SECOR** BORING LOG PAGE <u>3</u> OF <u>3</u> 12880 1ST AVENUE SOUTH SEATTLE, WASHINGTON LOCATION PROJECT <u>CIRCLE K STORE #1476</u> CASING TOP ELEVATION_ SURFACE ELEVATION_ 10/26/84 0643 FINISH_ START. 10/26/94 0835 MONITORING DEVICE _ MICROTIP PID ML-2000 SAMPLER RM/DJD CASCADE DRILLING INC., CME 75; 8-1/4 OD HSA SUBCONTRACTOR AND EQUIPMENT_ COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5° ID X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE



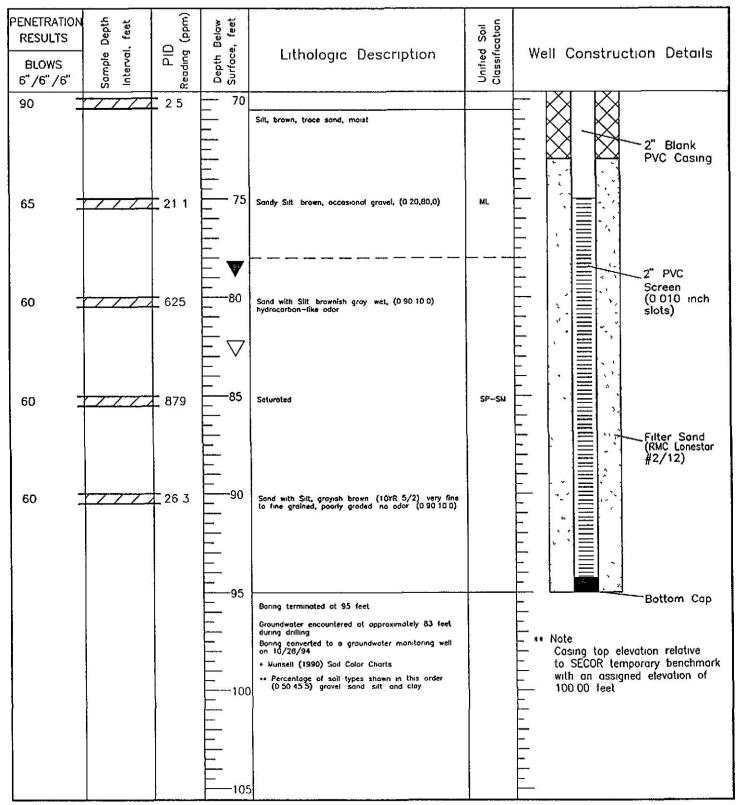
SECOR	BORING LOG	BORING <i>MW-8</i> PAGE _1_ OF_3_
PROJECT _CIRCLE K STORE #1476	LOCATION	12680 19T AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION -	CASING TO	P ELEVATION 98.82**
START 10/27/94 1021	FINISH10/2	
SAMPLER RM/DJD		MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT	CASCADE DRILLING INC.: CI	ME 75; 8-1/4 OD HSA
COMMENTS <u>SAMPLED EVERY 5 FEET Y</u>	VITH A 2.5° I.D. X 1.5' LONG SI	PLIT SPOON SAMPLER
<u>LINED WITH BRASS SLEEVI</u>	<u>ES DRIVEN BY A 140 LB. HAMA</u>	MEH, 30 STHUKE



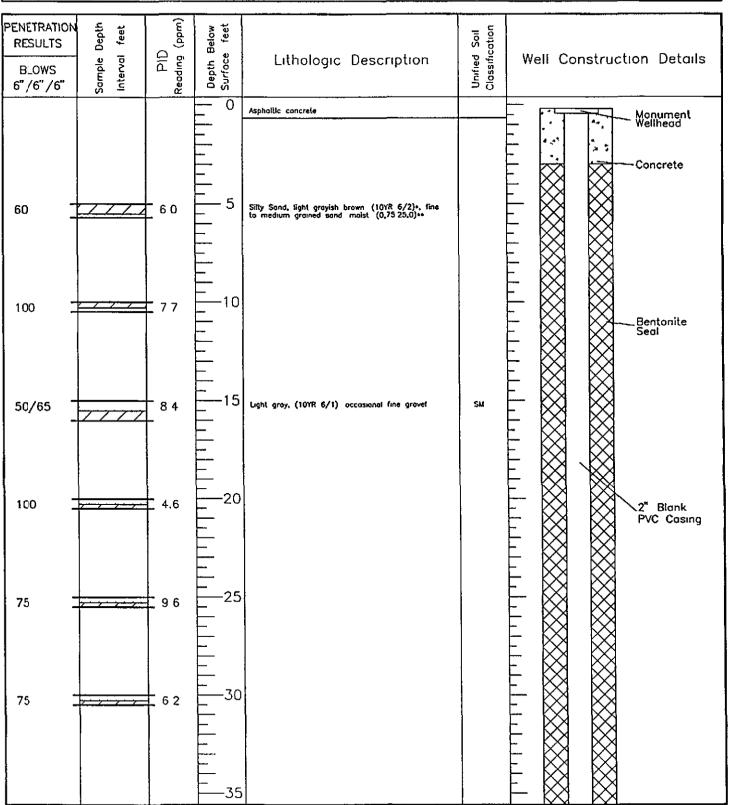
BORING __MW-8_ **SECOR BORING LOG** PAGE _2_ OF _3_ LOCATION 12660 13T AVENUE SOUTH SEATTLE, WASHINGTON PROJECT <u>CIRCLE K STORE #1476</u> CASING TOP ELEVATION___ SURFACE ELEVATION_ START <u>10/27/94 1021</u> MONITORING DEVICE MICROTIP PID SAMPLER RM/DJD SUBCONTRACTOR AND EQUIPMENT_ CASCADE DRILLING INC .; CME 75; 8-1/4 OD HSA COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30' STROKE



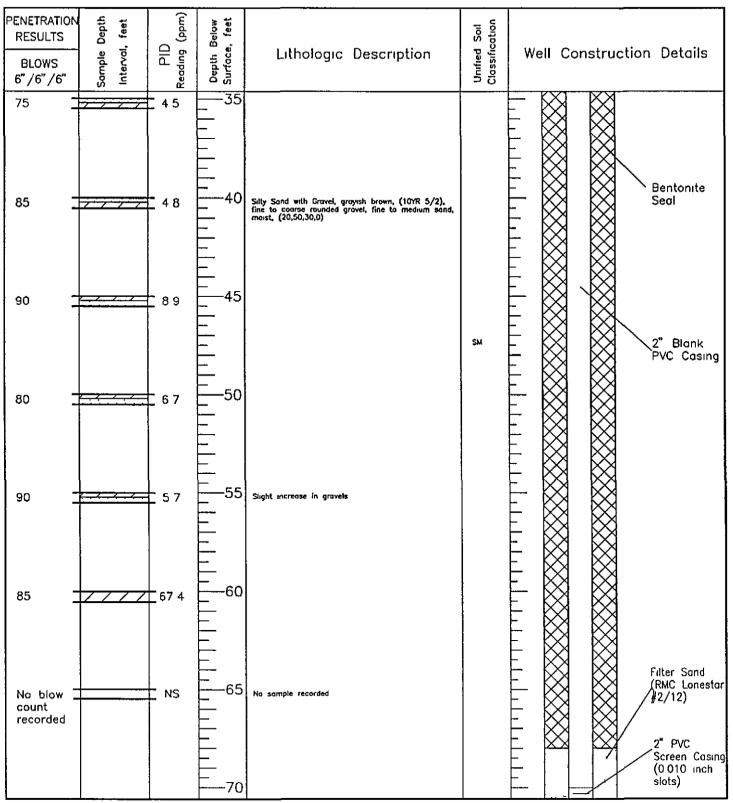
BORING _MW-B **SECOR** BORING LOG PAGE <u>3</u> OF <u>3</u> LOCATION 12880 1ST AVENUE SOUTH PROJECT <u>CIRCLE K STORE #1476</u> CASING TOP ELEVATION SURFACE ELEVATION_ START <u>10/27/94 1021</u> FINISH 10/27/94 1221 SAMPLER R. MILLER MONITORING DEVICE MICROTIP PID SUBCONTRACTOR AND EQUIPMENT_ CASCADE DRILLING INC : CME:75 8-1/4 OD HSA COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5° ID X 15' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30' STROKE



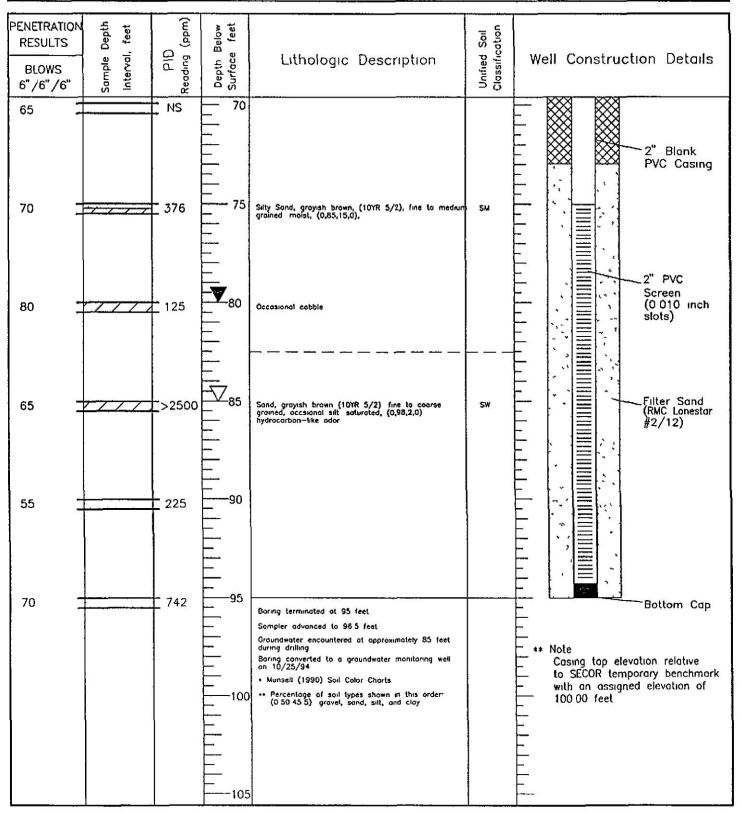
BORING __MW-8_ **SECOR BORING LOG** PAGE _1_ OF _3_ 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON LOCATION PROJECT *CIRCLE K STORE #1476* SURFACE ELEVATION. CASING TOP ELEVATION 99.57** START 10/25/94 0931 FINISH 10/25/94 1445 SAMPLER DJD MONITORING DEVICE MICROTIP PID ML-2000 SUBCONTRACTOR AND EQUIPMENT_ CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2.5° I.D X 1.5' LONG SPLIT SPOON SAMPLER</u> LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30° STROKE



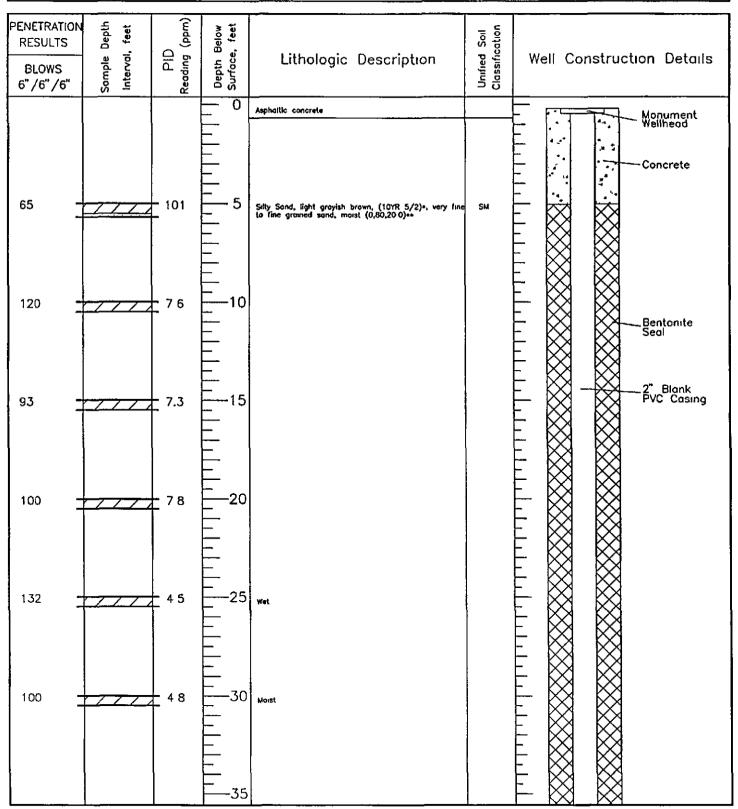
BORING __MW-8 **SECOR BORING LOG** PAGE _2_ OF _3_ 12680 1ST AVENUE SOUTH SEATTLE, WASHINGTON LOCATION PROJECT <u>CIRCLE K STORE #1476</u> SURFACE ELEVATION_ CASING TOP ELEVATION_ 99.57## START <u>10/25/94 0931</u> FINISH <u>10/25/94 1445</u> SAMPLER R. MILLER MONITORING DEVICE MICROTIP PID ML-2000 SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.: CME 75: 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2 5' I D. X 1.5' LONG SPLIT SPOON SAMPLER</u> LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30' STROKE



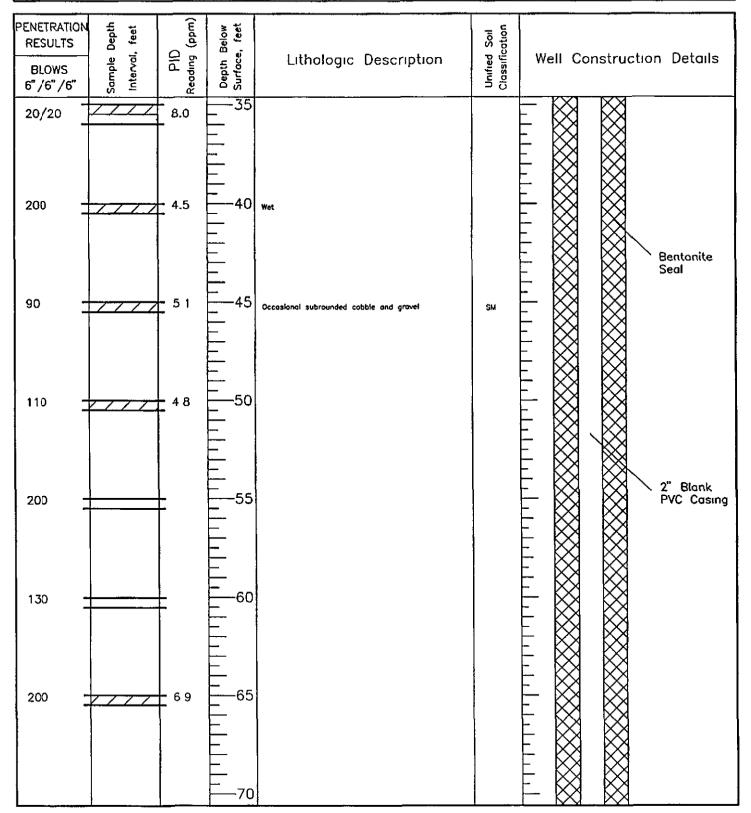
BORING _MW-9 **SECOR** BORING LOG PAGE <u>3</u> OF <u>3</u> 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON PROJECT CIRCLE K STORE #1476 LOCATION SURFACE ELEVATION. CASING TOP ELEVATION_ 99.57** START <u>10/25/94 0931</u> FINISH 10/25/94 1445 SAMPLER DJD MONITORING DEVICE MICROTIP PID ML-2000 SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.: CME: 75 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2.5" I.D X 1.5' LONG SPLIT SPOON SAMPLER</u> LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30° STROKE



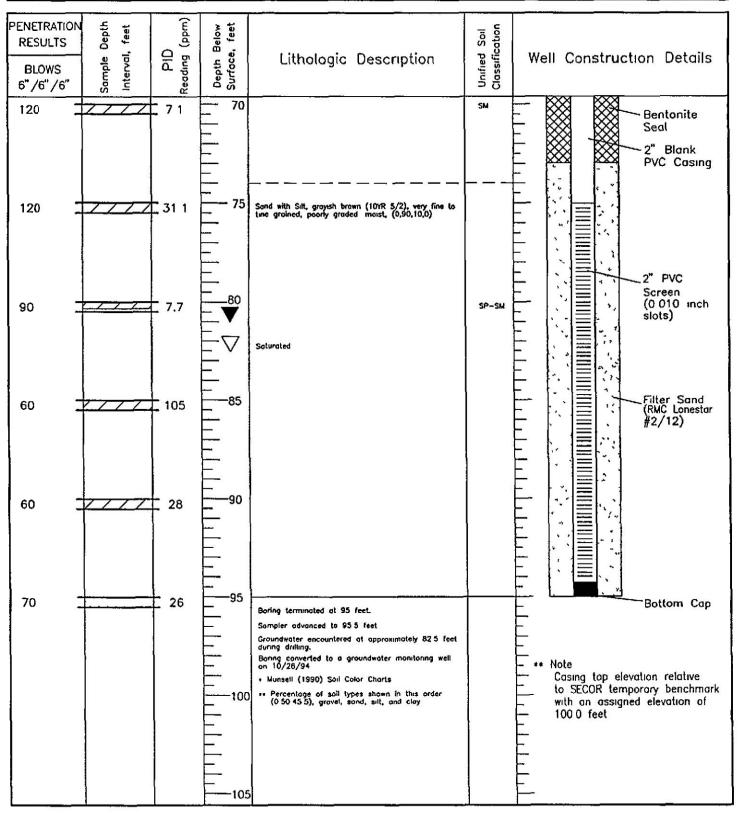
BORING __MW-10 **SECOR BORING LOG** PAGE _1_ OF _3_ 12680 197 AVENUE SOUTH SEATTLE, WASHINGTON LOCATION PROJECT <u>CIRCLE K STORE #1476</u> SURFACE ELEVATION. START <u>10/27/94 0628</u> FINISH <u>10/27/94 0835</u> SAMPLER MONITORING DEVICE R. MILLER MICROTIP PID ML-2000 SUBCONTRACTOR AND EQUIPMENT_ CASCADE DRILLING INC .: CME 75: 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2 5' I.D. X 1.5' LONG SPLIT SPOON SAMPLER</u> LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE



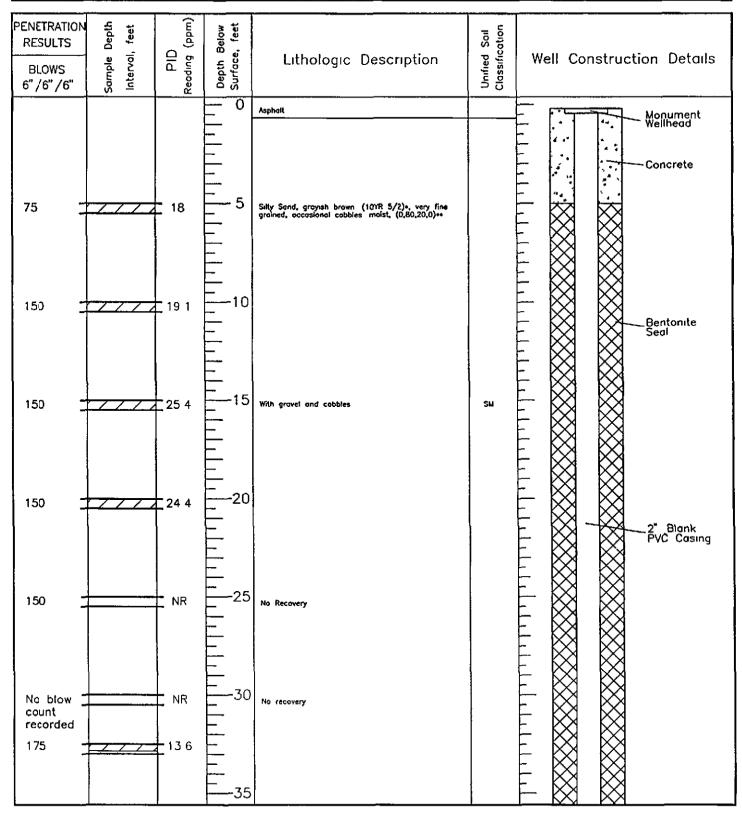
BORING __MW-10_ **SECOR BORING LOG** PAGE _2_ OF _3_ 12880 1ST AVENUE SOUTH SEATTLE, WASHINGTON PROJECT <u>CIRCLE K STORE #1476</u> LOCATION CASING TOP ELEVATION SURFACE ELEVATION. START <u>10/27/94 0628</u> FINISH. 10/27/94 0835 SAMPLER R. MILLER MONITORING DEVICE MICROTIP PID ML-2000 SUBCONTRACTOR AND EQUIPMENT_ CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA COMMENTS <u>sampled Eyery 5 feet with a 25° i.d. x 1.5' long split spoon sampler</u> LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30' STROKE



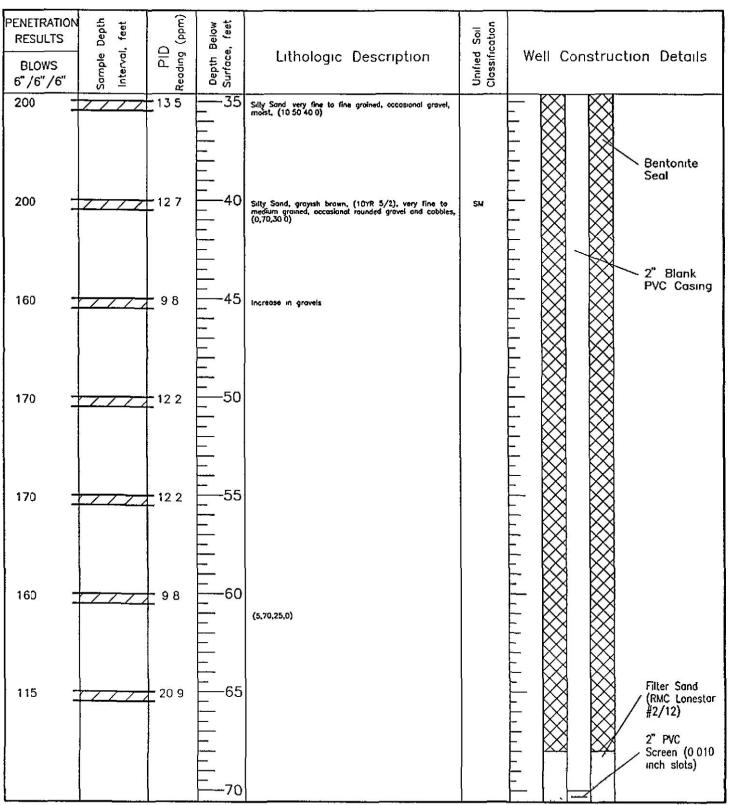
BORING _MW-10 SECOR BORING LOG PAGE 3 OF 3 12880 1ST AVENUE SOUTH SEATTLE, WASHINGTON LOCATION PROJECT <u>CIRCLE K STORE #1476</u> SURFACE ELEVATION. CASING TOP ELEVATION_ 100.56** START 10/27/94 0628 FINISH_ 10/27/94 0835 MONITORING DEVICE __MICROTIP PID ML-2000 SAMPLER R. MILLER SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75: 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5" LONG SPLIT SPOON SAMPLER</u> LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE



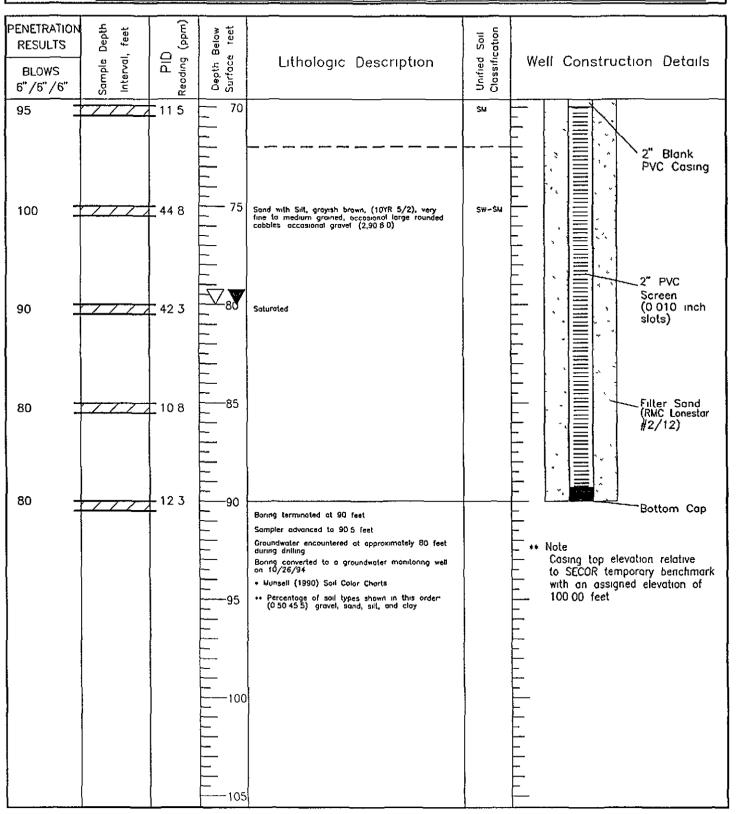
BORING _MW-11_ **SECOR BORING LOG** PAGE _1_ OF _3_ 12880 1ST AVENUE SOUTH SEATTLE, WASHINGTON PROJECT CIRCLE K STORE #1478 LOCATION SURFACE ELEVATION CASING TOP ELEVATION_ START <u>10/26/94 1103</u> FINISH_ 10/26/94 1415 MONITORING DEVICE MICROTIP PID ML-2000 SAMPLER R MILLER SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2.5° I.D. X 1.5' LONG SPLIT SPOON SAMPLER</u> LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30' STROKE



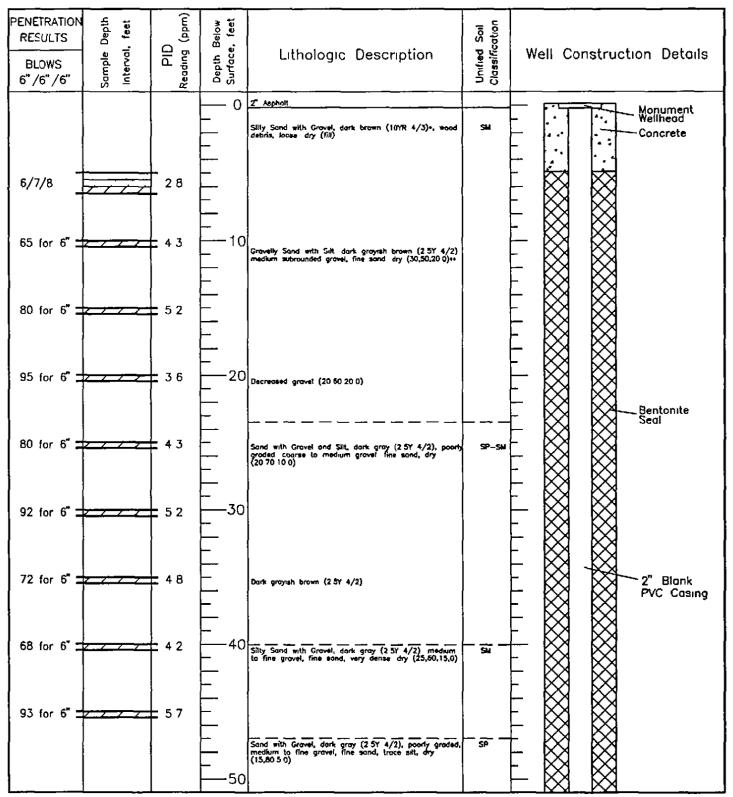
BORING _MW-11 **SECOR BORING LOG** PAGE _2_ OF_3_ 12680 13T AVENUE SOUTH SEATTLE, WASHINGTON PROJECT CIRCLE K STORE #1476 LOCATION SURFACE ELEVATION. 99.72** CASING TOP ELEVATION___ FINISH_ 10/26/94 1415 SAMPLER R. MILLER MONITORING DEVICE MICROTIP PID ML-2000 SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75: 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2.5° I.D. X 1.5' LONG SPLIT SPOON SAMPLER</u> <u>Lined with Brass sleeves driven by a 140 lb. Hammer, 30° stroke</u>



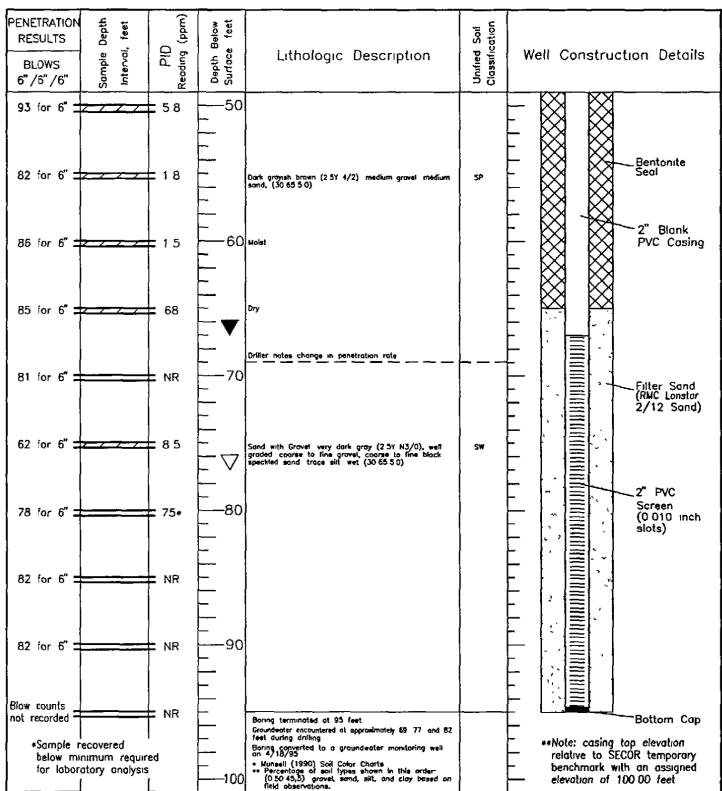
BORING _MW-11 **SECOR** BORING LOG PAGE 3 OF 3 12680 1ST AVENUE SOUTH SEATTLE, WASHINGTON LOCATION PROJECT <u>CIRCLE K STORE 31476</u> SURFACE ELEVATION CASING TOP ELEVATION_ 99.72** START <u>10/26/94 1103</u> FINISH 10/26/94 1415 SAMPLER MONITORING DEVICE __MICROTIP PID ML-2000 R MILLER SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA COMMENTS <u>SAMPLED EVERY 5 FEET WITH A 2.5° I.D. X 1.5' LONG SPLIT SPOON SAMPLER</u> <u>LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB, HAMMER, 30° STROKE</u>



BORING __MW-12_ **SECOR BORING LOG** PAGE _1_ OF_2_ LOCATION 12880 18T AVE. 8. PROJECT <u>CIRCLE K STORE #1476</u> SURFACE ELEVATION_ CASING TOP ELEVATION ___ 91.83** START 4/18/95 0945 - --- _ ---F1NHSH _ 4/18/95-- 1135--- SAMPLER E. CHAPMAN MONITORING DEVICE __MICROTIP PID SUBCONTRACTOR AND EQUIPMENT_ CASCADE DRILLING, INC.; CME 75; 8.25" O.D. HSA COMMENTS BORING SAMPLED EVERY 5' USING A DAMES & MOORE TYPE SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES ECOLOGY WELL #ABZ 493



BOR I NG __MW-12___ SECOR BORING LOG PAGE _2_ OF _2_ LOCATION 12860 1ST AVE. S. PROJECT circle K store #1476 SURFACE ELEVATION_ START 4/18/95 0945 -----FINISH - 4/18/95 -1135 MONITORING DEVICE __MICROTIP PID SAMPLER <u>E. CHAPMAN</u> SUBCONTRACTOR AND EQUIPMENT_ CASCADE DRILLING, INC.; CME 75:8.25" O.D. HSA COMMENTS <u>Boring Sampled Every 5' Using a Dames & Moore Type Split</u> SPOON SAMPLER LINED WITH BRASS SLEEVES ECOLOGY WELL #ABZ 493



			PROJECT LOGGED I		WA255-3 C. Flemi			CLIEN	NT: NTION:	ConocoPhillips 600 Westlake Ave N, Seattle, W	BORING/WELL NO: SB-1 A PAGE 1 OF 1	/DAS-6
De Environsul	onme	ental	SAMPLING CASING T SLOT SIZE GRAVEL F	Ξ;	SS PVC 0.020 2-12		NORT	HOLE WELL WELL	DRILLED DIAMET DEPTH: DIAMET DEPTH: DEPTH:	'ER: 8" 20' 'ER: 2" 20'	See Figure 2	
Casing Casing	tion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery S	Interval aldum	Soil Type	LITHOL	OGY / DESCRIPTION	
				14.		_	ir.			Asphalt (6")	-4. late 0 -4. (0 x 4) (4 mm (100 x 3) (10 mm (100 x 3)	
						1-				Air-knifed/vac-clear (Sand with gravel f	red to 5' on 6/7/05 ill material, compacted)	
							-					
						3 —						
						4-						
						5—) Yalio	
	_		Moist	0.2	16 19		-		SM	Silty SAND with Gravel of	rey, 70% medium to coars	e
					23	6-				sand, 15% silt, 15% grave		
H					5	7 —		Marie Control				
					7	8-		39		(grades less grave	l, brown-gray in color)	
	-		Moist	59.1	3		7	*			2	
					5	9-						
			Moist	496	3 2	10 —						
					1	11—	S Sport		ML		% silt, 25% sand, 5% grave	el,
	-	∇'	Wet	9.1	1		13	18		moderate plasticity, sheer	<u>n</u>	
		9:30		3.5	1	12 —			SP-SM		n Silt and Gravel; trace brid	k
		6/7/05	Wet Moist		2	13-	1		-	fragments and glass shar (fibrous wood debr		
					1	14 —	4		SM	Silty SAND; grey, 60% we	ell-graded sand, 30% claye	y
					8	7.1				silt, 10% gravel, moderate	e plasticity	
*				16.5	4	15						
-			Sat		3	16 —						
				0.9	5	17 —			WDFill	Wood debris; dark brown		
	-				3 2	40	+	4				
П			Sal	3.3	2	18—				(grades finer (sawo	dust), light brown)	
					3 4	19 —	+	25X				
			Sat	1.7	6	20 —					i	
						21 —				BOTTOM OF HOLE @ 20	0'	
	-						+	-				
-	_					22 —	1	1			-	

		PROJECT		WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO: SB-2
		LOGGED	Y:	C. Flemin	g		LOCA		600 Westlake Ave N, Seattle	
Del	40	DRILLER:		CDI				DRILLED		ocation Map
Dei	la	Charles and the same of	METHOD:				HOLE	DIAMETE		
			METHOD:				HOLE	DEPTH:	20'	6 5 8
Environme	ental	CASING T		NA				DIAMETE		See Figure 2
Consultants		SLOT SIZE		NA				DEPTH:	NA .	
	-,	GRAVEL F		NA		Mana		IG STICK		
		"	LEVATION	N		NORT	HING		EASTING	
ell Completion	Static	int in	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	-d/		
E G	Water	Moisture Content	Reg	enetratior (blows/6")	th (very	Interval	Soil Type	LITHO	DLOGY / DESCRIPTION
Casing	Level	žŏ	e)	Pen (blc	Dep	Recovery	Intel	S		
				ar vi	, Washin	111			Asphalt (4")	
					1—					
		1 1				_				leared to 20" on 6/6/05.
<u> </u>					2-			Cons.		ncrete at 20"; cored on 6/7/05.
						_			Air-knifed/vac-c	
8					3 —	-	-		(Compact sand	and gravei till)
						-				
					4-	-	-		market and the	F 1 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
\{						-				
				2	5—	+		ML	SILT: brown-grev 95%	6 silt, 5% fine sand, firm, non-plast
		Moist	0.0	2		120			Oler, Brown groy, son	o only one into carray many many
			0.0	3	6-	78				***
				4	_					
		Moist	0.0	4	/-		74		(grades more bi	rown in color with trace gravel,
		10117-2711		4	_	A				ne sand, 5% gravel)
		1		5	8-					
1/2		Moist	0.1	10	_	3		_		1
				8	9-		100	SP-SM	Poorly Graded SAND	with Silt; brown-grey; 85% fine to
			0.5	4	10-		83		medium sand, 10% sil	
		1		6	10-		4			
	∇	Wet		4	11—				(grades more g	
	13:25			2			i di		(Urban Redeve	lopment's PID reads 8.5 ppm)
	6/8/05	Sat	0.1	3	12-	0				
				4		-				
		1		-	13-				(Driller missed :	sample at 12.5 ft to 14 ft)
				-	1.555	4		5		
				-	14—	-			_	
		Wet		1 1		-	3			
(200minutes				2 5	15 —	-				
-				100/2"		+	(S):			
		Sat	3.2	100/2	16-	+				
<u> </u>		Sal	5.2		1	-	1 (2	WDEIII	Wood debris: coarse	approx. 2" to 3" fragments
				36	17-		and the second	17011	1.004 dobrio, codido,	September 12 o magninging
			0.0	15	500	+	girlar 1	i		
			0.0	12	18 —	1			(Shoe sample-o	direct PID screen, could not
<u>, </u>				3	100-20	+			remove from	
F		Sat	0.9	4	19-					rades to sawdust, brown, soft)
		Jul	0.0	8	00		1	SP		grey, 100% fine sand
					20 —	1				
					21-				BOTTOM OF HOLE	@ 20'
-					-	-				
-					22 —	-	+	-		
							_			

			PROJECT	NO:	WA255-3	3510-1		CLIEN	T:	ConocoPhillips	BORING/WELL NO: SB-3A/DAS-7
			LOGGED	BY:	C. Flemir	ng		LOCA	TION	600 Westlake Ave N, Seattle	e, WA PAGE 1 OF 1
	101	+0	DRILLER:		CDI			DATE	DRILLE	D: 6/8/2005	ocation Map
	æı	ta		METHOD:				HOLE	DIAMET	'ER: 8"	
_	-	-	SAMPLING	3 METHOD:	SS				DEPTH	21.5'	AND SAME AS
En	vironm	ental	CASING T	YPE:	PVC			WELL	DIAMET		See Figure 2
	sultant		SLOT SIZE		0.020				DEPTH	20'	
			GRAVEL F	PACK: ELEVATION	2-12		MODI	CASIN	IG STIC	KUP: Flush EASTING	
				ELEVATION	١		NOR	HING		EASTING	
	npletion	Static	ure	ading n)	ation //6")	feet)		mple	ype		A SAME
Casing		Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery	Interval	Soil Type	LITHO	DLOGY / DESCRIPTION
-				-			IL.			Asphalt (4")	
cone.						1_					
ر ا							4			Air-knifed/vac-c	leared to 5'
	-					2 —	+				Control of the Contro
	- 4					3 —	+				
						3-					
	-					4 —	-	-			
						-	+				
			Damp	5.0	3	5—			ML	CII To grove 0.59/ silt 5	% trace sand, firm, non-plastic
			ыапр	3.0	4	6-			IVUE	SILT, grey, 95% Silt, 5	76 trace sand, firm, flori-plastic
4					4 6	7-	+-				
n n			Damp	2.0	4	8-					
					5 7		-			(grades green-g	arev in color)
BENTONILE			Damp	17	8	9-					
ñ			Wet		8 8	10 —				Well Graded GRAVEL	; brown, with peat and sand, wet
			Damp	338	7	11 —			SP	Poorly Graded SAND; sand lenses, 100% fin	green-grey, with light brown
		∇			5	in the second					edium sand, visible sheen)
		15:05	Wet	32	2	12 —					parse gravel (subrounded))
		6/8/05			22	13 —		1.			
	-		Wet	9	50/6"					(as above, grad	les more fine gravel)
			*****	3	100/3"	14 —	100			(no recovery)	12.00
						15-		FE			
	2				70/6"		+	3/			
						16-					
					15	17—		- 1			
L	2				50/4"	18—					
SAIND					44	10-	-				
A -					13	19-	-	F -			
					15	20 —					
	-		-		4				SP	Poorly Graded SAND;	
					6 7	21 —			SP	PEAT; dark brown (2"	
	-					I.			5P	Poorly Graded SAND;	grey
	-					22-	-	-		BOTTOM OF HOLE	D 24 5'

	PROJECT	NO:	WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO SB-4			
	LOGGED E	BY:	C. Flemi	ng		LOCA	TION:	600 Westlake Ave N, Seattle, 1				
Dalta	DRILLER:		CDI			DATE	DRILLED	AL STATES AND SEC.	cation Map			
Delta	DRILLING	METHOD:	HSA			HOLE	DIAMET	ER: 8"				
Donco	SAMPLING	METHOD:	SS			HOLE	DEPTH:	21.5'				
40. 5 10.	CASING T	YPE:	NA			WELL	DIAMET	ER: NA	See Figure 2			
Environmental	STOT SIZE		NA				DEPTH:	NA	1.71			
Consultants, Inc.	GRAVEL P		NA				IG STICK					
		ELEVATION			NORT			EASTING				
						,,,,,		2.10/1/10				
ell Completion Statio	, e +	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	San	nple	e e					
350,000,000	1 3 0)	eac om)	trat vs/6) (fe	2	<u></u>	Soil Type	LITHOL	LOGY / DESCRIPTION			
Wate Casing Character Char	No.	R 9	lo	l ta	000	Interval	10		LOGI I DEGULLI I I I			
S S S	20	님	P G	De	Recovery	直	S					
5					1) (-)			Asphalt (4")				
				1-				Nie bestanderen ale	d t E)			
					-			Air-knifed/vac-cle	eared to 5			
			ł	2-	+-				10/2007			
E				3-								
								* ***				
9				4-								
	1											
			3	5-			SM	Silty SAND; brown, 60%	well-graded sand, 25% silt,			
1. 1	Moist	0.6	3	1		(1000)		10% gravel, 5% wood d	lebris, slight plasticity			
i e			3	6-								
			2	7								
			3	', -					• 22 32			
	Moist	3.5	2	8-	5	191. ().	SW	Well Graded SAND; bla	ick, with sawdust, 60% sand,			
			1	0-		30) X	SM	30% sawdust, 10% grav				
			2	9-				Silty SAND; brown-grey	, 50% well graded sand, 30% silt,			
	Moist	103.8	1	"		5 5		10% gravel, 10% clay fi	ines			
	Wet		1	10 —								
13:5	Sat	11.7	1	10								
6/7/0	5		1	11-	27		WDFill	Wood debris (sawdust);	; black, with trace sand			
5			2	131								
	Sat	3.5	2	12-								
			3	12								
			1	13-		3						
			2	13-	7	1		(grades coarser				
	Sat	0.6	2	14-				(trace reddish-bro	own silt at 13.8')			
			7	14-								
			14	15—	1	· An						
	Sat	0.7	8	15-		1775		(grades finer woo	od debris (sawdust), reddish-brown			
			3	10				at 15.3')				
			3	16	1	17						
	Sat	0.3	4	47	7							
			2	17—								
			2	40	100		SP	Poorly Graded SAND w	vith Gravel; grey, 85% medium			
	Sat	0.3	3	18 —				sand, 15% gravel, loose	е			
	70.75.5	V-01977	9	40	5		SM	Well Graded SAND; gre	ey, with clayey silt			
			12	19 —	1/3		S=5/100	(grades less clay	()			
	Sat	0.6	13				SP	Poorly Graded SAND;				
			8	20 —	2	100		20% medium sand	Value V - 2002 to thomas an affiliati			
			9		E.	120						
		0.5	11	21—	-							
			10100000	22—								
								BOTTOM OF HOLE @	21.5			

		PROJECT LOGGED		WA255-3			CLIEN		ConocoPhillips 600 Westlake Ave N, Sea	attle, WA	BORING/WELL NO: SB-5 PAGE 1 OF 1
Del Environmo Consultant	ental	DRILLER: DRILLING	METHOD: G METHOD: YPE: E:	CDI HSA	a≅(DATE HOLE HOLE WELL WELL	DRILLED DIAMETI DEPTH: DIAMETI DEPTH:	er: 6/7/2005 Er: 8" 20' Er: NA NA	Location Map	See Figure 2
			ELEVATION	N		NORT	HING		EASTING		
Casing Ca	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery S	Interval al	Soil Type	LITI	HOLOGY	DESCRIPTION
			ш			- E			Asphalt (4")		11,11,11 page 1
					1-				Air-knifed/vac	c-cleared to	5'
					2-					0+13 0 = 2-9	
					3—						
					4-						
					5—						
		Moist	9.6	3 4		1	32	SW-SM	Well Graded SAND sand, 25% silt, 5% v		wn, 70% well graded non-plastic
				3	6-						400
				4	7—		9(e) 3(-)	SM	Silty SAND with Gra	vel; grey, 60	% well graded sand,
		Moist	23.3	4 2	8—	E STA			20% gravel, 20% sil	t	
			12.4	3	9						
	∇			2 3	40	100	3 9	ML	SILT; grey, with trac	e brick fragr	ments, hard
	13:50 6/7/05	Sat	0.3	5 4	10-	- 14 - 14 - 14		SP	(grades more Poorly Graded SAN		debrie
-	0/1/03			2	11 —	1/25		51	Poorly Graded SAN	D With Wood	deblis
		Sat	0.6	2 3	12		1		Wood debris (sawdı	ust)	
				21	13—			WDFill	(grades finer	to coarser in	
		Wet	2.7	28 8	14 —				(grades darke	er to lighter i	n color)
_				4 5	15 —						
-		Sat	2.7	7 15	2				(as above, wi	th 15% fine	sand, 5% silt)
-				9	16 —						
		Sat	3.8	7	17 —						
-		204	10.0	9	18—	6					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Sat	18.2	10 10	19 —			sw	Well Graded SAND;	grey, with to	race brown silt,
14		Sat	0.6	18 12		A		SP	95% well-graded sa Poorly Graded SAN	nd, 5% silt	
		Jai	0.0	12	20 —			J.F	BOTTOM OF HOLE		
7					21—				- C Sim Of TIOLE		
					22 —	-	-				

			PROJECT		WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO: SB-6/VE-6		
			LOGGED	3Y:	C. Flemin	ng		LOCA		600 Westlake Ave N, Seattle, V	HAVE LOCALITY		
\Box	ol:	ta	DRILLER:	METHOD:					DIAMET	2005	ation Map		
יע	CI	la	250000000000000000000000000000000000000	METHOD:					DEPTH:				
			CASING T		PVC			10.900	DIAMET	VANCES I	See Figure 2		
	ronme		SLOT SIZE		0.020				DEPTH:	75 (1984)	3		
Consu	ultants	s, Inc.	GRAVEL F		2-12				NG STICE				
			E	LEVATIO	N		NORT	HING		EASTING			
			<u> </u>	- PD		7000	-						
Nell Compi	letion	Static	말	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	be				
ill gu		Water	Moisture Content	(ppm)	enetration (blows/6")	‡	very	val	Soil Type	LITHOLOGY / DESCRIPTION			
Backfill		Level	ĕŏ	5	Pen (blc	GeC	Recovery	Interval	So				
		-) 	14			Asphalt (4")			
Conc.						1					Section 1		
ပ •							1			Air-knifed/vac-cle	ared to 5' on 6/7/05		
	- T-12, 10, 17					2-	-		1		especial test		
ш						_	+		1				
BENTONITE	1 2000					3-							
0						4-							
E	-						-		-				
m I					1	5-	+			_ m	2 (4-2)		
	-		Moist		2		100		SM	Silty SAND; brown, 80%	sand, 20% silt		
			Wet	4.0	3	6-							
					3	7-	1			/ 00 45 1 2 2 2 2 1	abole at 71 manual		
	40-2		Moist	5.2	4	1	- 1		SP		ebris at 7', coarse) rown, 100% medium sand		
Н	-		Willist	5.2	5	8-			SM		trace gravel, 60% fine sand,		
			Moist	198	7	9-			-	35% silt, 5% coarse gravel, mild sheen			
					7	9-				(grades grey in co			
					3	10-	954		SP	Poorly Graded SAND; g	rey, 95% medium sand, 5% silt		
8 -	-	∇	Moist Sat	11.0	3				1	- 11			
SA		8:00	Sai	11.0	1	11-			SM	Silty SAND; brown-grey	, soft		
		6/8/05			1	12							
			Sat	0.8	2	12-	W.						
					8	13-							
	-		1		4		-				11/4 34 17		
					5	14-							
	-				6	40	-						
			Moist	0.2	6	15 —			WDFil	Wood debris			
						16-		-					
	_						+	+		BOTTOM OF HOLE @	15.5		
						17 —	+	+	1				
						10							
						18 —	1						
						19-		-					
							+	-	-				
	-					20 —	-	=					
	-					21-			1				
						21-							
						22-	-	-					

		PROJECT		WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO: SB	-7
	_	LOGGED	BY:	C. Flemi	ng		LOCA		600 Westlake Ave N, Sea	· · · · · · · · · · · · · · · · · · ·	
Эе	lta	DRILLER:	METHOR	CDI				DRILLED		Location Map	
ノ	Ila	Central School Control	METHOD:					DIAMET			
		CASING T		NA.				DEPTH:	20' ER: NA	See Figure 2	
Environn		SLOT SIZE		NA				DEPTH:	NA NA	Oee rigure 2	
onsultan	nts, Inc.	GRAVEL F		NA				IG STICK			
		E	LEVATIO	N		NORT	HING		EASTING		
			-			-					
Completion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	Soil Type			
Casing	Water Level	oist	Re.	ows) H	oven	Interval	i i	LITI	HOLOGY / DESCRIPTION	N
Ca	Level	Z O		Per la	Dep	Recovery	Inte	Š			
41									Asphalt (4")		
					1—	-			Air-knifed/vac	cleared to 5'	
					,	1			All-Killedivac	-cleared to 3	
					2-						
P	-				3—	-					
						+				***	98
					4-					7.0.4	
	-				5—						
}		Moist	22.1	2 2	9			SM	Silty SAND: gray wit	th trace roots, 60% fine to	
	1	10,00	22.1	3	6-			Oivi	medium sand, 40%		
			75.61	3	7_					sand with trace coarse	
	-	Moist	29.4	3		- 137	550		gravel-subro	ounded)	
1		1		2	8-						-
		Moist	5.3	3	9_					Nie.	
	-	}		3	•						
5	1	Moist	0.1	1	10-						
				3	11—						
	10:00	Moist Sat	1.0	2							
	6/8/05	Sat		2	12-	0.50		WDFill	Wood debris		-
	0.0,00	1		1	12			VVDI III	VVCCG GCD/16		
			0.1	2	13—		蓼			100	
	_			8	14-						
				10		1					
		Wet	0.1	7	15—		1		(as above)		
		Cot	0.0	9	16-				/1	-d //000/\\	
		Sat	0.0	21 11		17	5		(as above, gr	ades more sand (30%))	
				3	17—						
		Sat	0.0	6	18—						
-				6			(g)	SP	Poorly Graded SAM	D; grey, 100% fine sand	
		Sat	0.0	2	19—			OF-	Toolly Gladed SAN	b, grey, 100% line Sand	
4				3	20 —	350		ML	SILT; clayey with 10	0% fine sand, soft, wet	
_	-				0.	-			BOTTOM OF HOLE	: @ 20'	
*	-				21—	1			DOT TOW OF HOLE	- w 20	
					22—						
					200						

			PROJECT		WA255-35		CLIEN		ConocoPhillips	BORING/WELL NO: \$B-8
			LOGGED E	Y:	C. Fleming		LOCA		600 Westlake Ave N, Sea	
	1	+0	DRILLER:		CDI			DRILLED		Location Map
	el	10	F-10	METHOD:				DIAMETE		
	O .	-	SAMPLING	METHOD:	SS		HOLE	DEPTH:	20'	
=	vironm	ental	CASING T	YPE:	NA		WELL	DIAMETE	R: NA	See Figure 2
			SLOT SIZE	2	NA		WELL	DEPTH:	NA	
con	sultant	s, Inc.	GRAVEL P		NA		CASIN	G STICK	UP NA	
				ELEVATIO	N T		NORTHING		EASTING	
				V.						
ell Con	npletion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	Type		2.00
Backfill	20	Water	iste	(ppm)	etra	- -	Recovery	Ε.	LITH	HOLOGY / DESCRIPTION
ac ac	3	Level	50 €	0	l plo	de	eco oter	Soil		
	,	_		Δ.	L. ~	0	œ =		Asphalt (4")	
	-					2 "			Aspiral (4)	
						1-			Air-knifed/vac	-cleared to 5'
1						2				
						2				A 17 - 24 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
					.0	3—				3.4
						4-				
100								-		
			1			5-		ML	CII Tratery 059/ silt	, 5% fine sand, firm, non-plastic
2				F 0	2	-		IVIL	SILT, gley, 95% Silt,	, 5 % line sailu, lilli, lion-plastic
	-		Damp	5.9	4	6-				
		Down 7.0	5							
		Domo	mp 7.2	5	7-			(grades trace	cobble)	
	-		Danip	amp 7.2 5 6 5					(grades trace	3322101
						8				2000
	-		Moist 2.1	6	100	3	3	(grades 10%	medium sand, slight plasticity)	
3	-		10101		7	9-				
ů.	-				12		JA -			
TONITE			Moist	3.7	10	10-		SP-SM	Poorly Graded SAN	D with silt; grey, 80% medium sand,
Ō		∇	• Section 1		10				10% silt, 10% well g	
	-	7:50	Wet		3	11-	一样			
BEN		6/9/05			5	12-	增加			
				3.0	6	12		SP	Poorly Graded SAN	D with gravel; grey, 80% medium to
					3	13—			coarse sand, 20% v	vell graded gravel, loose
	- 10		Sat	2.1	13					
1			Wet		23	14-		SP-SM		D with silt and gravel; grey,
					4					sand, 10% silt, 20% gravel
ec j				3.3	7	15-	js.	WDFill		obble (~3"), subrounded;
i.					10	Ĩ.	7		dark brown to tan	
1					9-50/6"	16				
	-		Damp	36.7			100 T		(grades no co	obble, finer to coarser wood debris)
			Junip		36	17 —			13	
					27	10				
	-		Damp	63.8	19	18-				
23					7	10		1		
1 m					7	19-				
			Damp	9.0	7	20—				
						21-			BOTTOM OF HOLI	E @ 20'
	-						++-	1		
						22-		-		

			PROJECT	NO:	WA255-3	3510-1		CLIEN	IT:	ConocoPhillips	BORING/WELL NO: SB-9/DAS-8			
			LOGGED E	BY:	C. Flemi	ng		LOCA	TION:	300 Westlake Ave N, Seattle	PAGE 1 OF 1			
	_ 1	1 _	DRILLER:		CDI	Pa ⁻ -1		DATE	DRILLED	6/9/2005	Location Map			
1)	PI	ta	DRILLING	METHOD:	HSA			HOLE	DIAMETE	R: 8"				
\boldsymbol{L}	CI	LCI		METHOD:				HOLE	DEPTH:	20'				
3.		2.152	CASING T		PVC				DIAMETE		See Figure 2			
	ironm		SLOT SIZE		0.020				DEPTH:	20'				
Cons	ultant	s, Inc.	GRAVEL P		2-12				NG STICK					
				LEVATIO			NORT	THING		EASTING				
					esa					CM SOUND				
Vell Com	pletion	Chalia	Φ ±	PID Reading (ppm)	Penetration (blows/6")	et)	Sa	mple	e					
= p	0	Static Water	Moisture Content	(ppm)	trat vs/6	Depth (feet)	Su'y	ā	Soil Type	LITHOLOGY / DESCRIPTION				
Backfill		Level	Cor	R 9	ene Solo	td.	Recovery	Interval	ie o					
eg co			-	JIG.	P. S.	۵	Re	Ξ	0)					
ဖွဲ										Concrete (6")				
Conc.	-				1	1—	-	-		Air-knifed/vac-c	loared to 5'			
3500					1	2	+	+		All-Killed/vac-c	lieared to 5			
	-					2-								
						2								
						3-					23M 22			
				16		4-								
					2	5-	-							
	-		Dry	1.5	3 4		-	1	SP	Poorly Graded SAND	light brown, 90% fine sand,			
8	-		Diy	1.0	3	6-		1	OI	5% coarse sand, 5% s				
					6	_		N.		0,0 000,00 00,00,00				
					6	/-	iy.							
ш			Damp	3.2	4	8-	23		ML	SILT; brown-grey, trac	ce roots, non-plastic, firm			
BENTONITE					6		CONTRACT	2			E 111 200/ 5			
T			0	2.2	3	9-	30	SP	SP	5% coarse sand, 5% s	light brown, 90% fine sand,			
Ü			Dry	3.2	3		+	+-	1	5% coarse saild, 5% s	SIII			
	1-				4	10-								
			Moist	5.8	7				ML	Sandy SILT; brown-gr	rey; 60% silt, 40% fine sand,			
	-		(41.20.2.2)		8	11-		7, 9		5% gravel (~3/4")				
					8	12 —		理差						
i i		∇	Wet	333	6	12			SP	Poorly Graded SAND;	grey, 100% medium sand			
in the state of th		12:25			3	13-								
- 4		6/9/05	1000		2	1000			SM		6 sand, 20% silt, 10% gravel,			
- X	-		Wet	187.0	6	14 —		0.9		moderate to heavy vis	sible sneen			
- 1	-		Wet	49.0	6 5		-							
=			vvet	64.8	6	15 —	er.	4 L	SP	Poorly Graded SAND	with Gravel; 85% medium sand,			
	-			54.0	8					15% gravel	The state of the s			
					8	16 —	100							
	-		Wet	27.0	7	17-			SM	Silty SAND with Grave	el; grey, 70% sand, 50% silt,			
_					18	17				15% well graded grav	rel			
SAND			Wet	9.0	30	18 —					2220.			
SA			Sat		17	1.5			SP-SM		with Silt; grey, wood debris,			
					5	19-		-1/6	VA. 17		5% gravel, 35% wood debris			
	-		0.1	2.0	2					Wood debris	with Cilty on about			
10			Sat	3.0	1	20 —	-	#	SP-SM	Poorly Graded SAND	with Siit, as above			
							+	-	-	BOTTOM OF HOLE	ര 20'			
						21 —	+		1	DOT TON OF HOLE (e -7			
	-						+		1					
						22 —	-1-		1					

			PROJECT	NO:	WA255-3	3510-1		CLIEN		ConocoPhillips	BORING/WELL NO: SB-10/DAS-9
			LOGGED	BY:	C. Flemi	ng		LOCA	TION:	600 Westlake Ave N, Seattle, V	VA PAGE 1 OF 1
	- 14	10	DRILLER:		CDI			DATE	DRILLED	: 6/9/2005 Loca	ation Map
De	-311	17	DRILLING	METHOD:	HSA			HOLE	DIAMETE	R: 8"	
_ \		-	SAMPLING	METHOD:	SS			HOLE	DEPTH:	20'	
Enviro	nma	ntol	CASING T	YPE:	PVC			WELL	DIAMETE	ER: 2"	See Figure 2
			SLOT SIZE	Ei.	0.020			WELL	DEPTH:	20'	
Consult	tants	, Inc.	GRAVEL F	PACK:	2-12			CASIN	G STICK	UP: Flush	
			E	ELEVATION	١		NORT	HING		EASTING	
							-				
/ell Completi	tion	Otatia	ω +	PID Reading (ppm)	Penetration (blows/6")	(F)	Sa	mple	Φ		
= 0		Static Water	Moisture Content	ead m)	rati /s/6	Depth (feet)		4.13.1	Soil Type	LITHOL	OGY / DESCRIPTION
Backfill		Level	lois C	(pg	low	듄	ove	Interval	=	LITHOL	OG 17 DESCRIPTION
Backfill		Level	20	문	Pe G	e De	Recovery	Ę	Š		
									TE	Concrete (8")	
Cone.			1 1			1 1_					
و ا	Metros									Air-knifed/vac-cle	ared to 5'
						2-	-				
	_						+				
-						3	-	-			
	-		1				+-	-			
1 =						4-	_	-			THE STATE OF THE S
	o zzi					1	+	-			
- 1					3	5-	-	100			
	-				3		+				
-	161.00		Dry	1.0	5	6-			ML	SILT; brown, 95% silt, 5	% fine sand, firm to hard
			1,		9	1 -	-				
	-				12	/-			SM	Silty SAND; brown, 80%	fine sand, 20% silt
T)			Moist	2.0	10	8-			SP	Poorly Graded SAND; b	rown, trace gravel, 90% medium
E					2	0-				sand, 5% silt, 5% grave	
BENTONITE					3	9_	Ĭ.				brown, ~1" thickness)
2				17.0	3	"	T W	, 17	SP	Poorly Graded SAND; b	rown-grey, fine sand, soft
ii _					2	10-					
\$	_		Damp	203	3	5					
1 -	-				5	11-	100				
5	-	∇			5		-			(as above, with g	muol
1 -	-			283	7	12 —	- 100			(as above, with g	(avei)
	-		1	203	4	9	-	0.00	1		
4 -					4	13 —	+	7 17 2			-11.01-71
	-			197	8	200			WDFill	Wood debris, timber, co	arse
				1.5.1	3	14 —		77		and the same of th	
	-		Wet		3	45					
- -					3	15-			SP	Poorly Graded SAND; g	rey, 85% medium sand, 5% silt,
					4	16-				5% coarse gravel, 5% c	oarse sand
7 1					8	10-					
				2.0	11	17-			WDFi		
			0.000		4	1.60			ML	SILT; grey, with wood d	ebris
SAND			Sat		6	18-					
50			Wet		8				J		d at wood debris/silt interface)
					3	19 —			WDFill	Wood debris	
	-		146.6	0.7	7	9		4		Accept Markets	
Щ.			Wet	0.7	11	20 —	Tin.	3.30	-	(wood debris)	
	-					2	+-	+		BOTTOM OF HOLE @	20'
-						21—	+	1	1	DOT TOWN OF HOLE @	
							+				
	_					22 —	-	1	1		

			PROJECT	NO:	WA255-3	510-1		CLIEN	ET:	ConocoPhillips	BORING/WELL NO: SB-11/DAS-10
			LOGGED	BY:	C. Flemir	ng		LOCA	TION:	600 Westlake Ave N, Seattle, V	NA PAGE 1 OF 1
	اما	+-	DRILLER:		CDI			DATE	DRILLED	b: 6/10/2005 Loca	ation Map
IJ	eı	ta	DRILLING	METHOD:	HSA			HOLE	DIAMET	ER: 8"	
	0.	-	SAMPLING	METHOD:	SS			HOLE	DEPTH:	20'	
En	vironm	ontal	CASING T	YPE:	PVC			WELL	DIAMET	ER: 2"	See Figure 2
	sultant		SLOT SIZE	3:	0.020			WELL	DEPTH:	20'	
Cons	Sunain	3, 1110.	GRAVEL F	ACK:	2-12			CASIN	NG STICK		
				LEVATIO	N		NORT	HING	5	EASTING	
				-			T		_		
ell Con	mpletion	Static	말 =	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sa	mple	be		
E 5	20	Water	Moisture Content	(ppm)	etra ws/	h (f	eny	/al	Ţ	LITHOL	OGY / DESCRIPTION
Backfill	8	Level	800	0	(blo	ept	Recovery	Interval	Soil Type		
	,			Δ_	ш.		œ.	=	1.50%	A b - (b (OII)	
9						-	+			Asphalt (3")	
Conc.	-					1 —	+			Air-knifed/vac-clea	ared to 5'
5						3	1			/ II - Killied/ Vac-cice	area to c
						2 —					
	0.650					3—				St. 27 27 27 22 22WH	205 FZ
						1_					

					121	5—					
	_				2					OU = 1	27.2
	4		Dry	0.0	4	6—	7-61		ML	SILT; brown, 95% silt, 59	% fine sand
	_				4		100	1			
	-				21 16	7	1,0				
ш	_		Dry	0.0	16		1/1			Well Graded SAND with	Gravel; brown, 80% sand,
=			Diy	0.0	9	8			sw	20% gravel	Clavel, blown, oo w sand,
5					5			3.7	- N	2070 graver	-1000-00
BENTONIE			Damp	0.0	9	9—		1	SM	Silty SAND with Gravel:	grey, 70% fine sand, 15% silt,
					8	40			1.000.00	15% gravel, hard	
3					5	10 —		11 T			
			Damp	0.4	3	11 —			SW	Well Graded SAND with	Gravel; brown
3					4						
					5	12 —					
		∇	Wet	198	7	3	10				th Silt; grey, 80% medium sand,
	-		146-4	0.47	3	13				10% silt, 10% gravel, wo	
	-		Wet	247	4				SW-SM		th Silt; grey, 80% medium sand,
				2 8.2	80/6"	14—				10% silt, 10% gravel	·
				0.2	00/0	377	-	-			
	-		Sat	1.2		15 —			SM	Silty SAND with Gravel	grey, 65% medium-fine sand,
				0.000	10	40				20% silt, 15% gravel	O/)
					12	16 —				, i = 0	
				2.7	28	17			WDFill	Wood debris	
					53/6"	17 —					
			V 0-2-12-12			18 —				2000000	
SAND			Wet	32	010052810	.0		100			h fine sand and trace silt,
					100/6"	19 —				85% wood debris, 10% f	fine sand, 5% silt
			Sat	7.9		20 —		1			
	-					1	-				
						21—	-			BOTTOM OF HOLE @ 2	20.
	-						-	-			
	-					22 —	-	-			
					I.						

	PROJECT N		WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO: SB-12/DAS-10
	LOGGED B		C. Flemir	ng				600 Westlake Ave N, Seattle	
Delta	DRILLER:		CDI			DATE	DRILLED	5 CONTRACTOR 1	ocation Map
Della	DRILLING					HOLE	DIAMET	ER: 8"	
	SAMPLING	METHOD:	SS			HOLE	DEPTH:	20'	
Environmental	CASING TY	PE:	PVC			WELL	DIAMET	ER: 2"	See Figure 2
Consultants, Inc.	SLOT SIZE:	: 1	0.020				DEPTH:	20'	
oonsultants, mo.	GRAVEL PA		2-12				IG STICK		
	El	LEVATION	I		NORT	HING		EASTING	
ell Completion	1	ē I	- -	£	T				
Statio	1 2 0 1	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		nple	Soil Type		
Water Level	ont	Read (ppm)	ows	Æ	ver	Na	119	LITHO	DLOGY / DESCRIPTION
Water Level	≥0	⊕)	D G	Det Det	Recovery	Interval	Sc		
	+ +	п.		_	~			Asphalt (3")	
	+ +	1		1_					
		ì			\perp			Air-knifed/vac-cl	eared to 5'
				2-	+				
				3—					
					-				
-				4					
			_	5—					
	Moist	0.2	2	1			SW-SM	Well Graded SAND wit	th Silt and Gravel; brown,
			3	6-				60% sand, 30% gravel	
		0.4	7	7—	1 15 2 5				
	4	1.2	4				SM	Silty SAND with Grave	brown-grey, 70% fine to medium
			2	-0				sand, 15% silt, 15% g	ravel, slight to moderate plasticity
		272	3	9—					
	1 1		5	10-					
			6	10-		ŷ.			rel, grey, hard from 10.3' to 10.5')
9:50		180	6	31_		51 34.	SP		grey, 85% fine to medium sand,
6/10/0	5 Wet		3			发生		5% silt, 5% wood debr	ris, 5% gravel
		330	6	12-	100				
		78	12	12		1		(visible sheen)	10.000
			21	13-					
			31						
	Sat	87	8	14-		1			with Gravel and wood debris; grey,
			2	1.5		1			and, 40% wood debris, 15% gravel,
	5200000		4	15 —		J.		5% silt	
	Sat	147	6 4		-	15-1		(grades less wo	ood debris (30%), brown-grey)
			4	16 —				(as above, grad	ling more clayey silt (~10%))
	Sat	83	4	47		1			
			2	17 —					
			3	18-		W			
	Wet	9	2				WDFill	Sawdust (4" thickness	3)
	Wet	22.8	3 5	19—			SP	Poorly Graded SAND	grey, with wood debris
	Sat	16	9	200	200		SF	Toony Graded SAND,	grey, with wood debits
	100 MT 100	1445.4	2007	20 —					
				21—		-		BOTTOM OF HOLE @	20'
				22 —					
				22					

Delta	PROJECT LOGGED DRILLER:	BY:	WA255-3 C. Flemin CDI			DATE	IT: TION: DRILLEI		BORING/WELL NO: SB-13 VA FAGE 1 OF 1 ation Map
Environmental Consultants, Ind	CASING T SLOT SIZI GRAVEL F	S METHOD: YPE: E:	SS NA NA NA			WELL WELL CASIN	DEPTH: DIAMET DEPTH: NG STICK	20' ER: NA NA	See Figure 2
Sta Sta Sta Sta O Sta O Sta O Sta O Sta O Sta O Sta Sta	er siste	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery S	Interval	Soil Type	LITHOL	LOGY / DESCRIPTION
				3			5	Asphalt (4")	
3				1—				Air-knifed/vac-clea	ared to 5'
				2-					
				-					
				-	1-7				· · · · · · · · · · · · · · · · · · ·
				4-	1				4 1 10 74 10
				5—		112			CONTRACTOR OF STATE O
			1 3	-	+				Contract to the State of State
74	Moist	1.0	4	6-			ML	SILT with sand; grey, 80	% silt, 20% sand, low plasticity
M			21	7 —			SD SM	SAND with silt; grey, 809	% fine to medium sand
	Moist	1.2	18	8-			OI -OIVI	10% silt, 10% fine grave	
		0.0	8				014	(wood debris at 7.	
*		2.2	4	9-	y. I		SM	Sility SAND; grey, 80% (well-graded sand, 20% silt
	1		2	10					
5	Moist	1.9	2	-		4		(grades 10% grav	rel with brown fine sand lenses)
			3	11					
14:		1.8	2 2	12-	1 2			/ac above with fire	ne wood debrīs (3" lense), brown)
6/10			1	13—				(as above, with in	ie wood debits (5 Tellse), blowit)
	Sat	1.1	2	13—		To Year	WDFill		B" fragments), timber with
	Wet Sat		8	14-	880			saturated grey sand and Wood debris: reddish-br	own, fine, wet, decomposed
÷.		0.2	2	15—			SM	Silty SAND with wood de	ebris; 60% well graded sand,
	Moist		5	-	100	易	WDFill	30% silt, 10% wood deb Wood debris; tan, coarse	
			2	16-			SM		ebris; 40% well graded sand,
	Sat	1.1	1	17 —				30% silt, 30% wood deb	ris
7			3 4	40		1	WDFill	Wood debris; reddish-br	own, fine, moist
4	Moist	1.7	10	18—	AVERA N		SP	Poorly Graded SAND; gr	rey, 95% fine to medium sand,
1	Wet		10 14	19	- 国		SP-SM	5% silt Poorly Graded SAND wi	th silt: grey
	Moist	1.1	15	20—			SP		rey, 95% fine to medium sand,
				24				3 /0 SIIL	
				21 —				BOTTOM OF HOLE @ 2	20'
-				22 —	-	_			

		Т		PROJECT LOGGED		WA255-3 J. North	510-1		CLIEN		ConocoPhillips 600 Westlake Ave N, Seatt	le WA	BORING/WELL NO: SB-14/VE-7 PAGE 1 OF 1
Er	ıvir	onm	ta ental s, Inc.	DRILLER: DRILLING SAMPLING CASING TO SLOT SIZE GRAVEL P	METHOD: METHOD: YPE: E: VACK:	CDI HSA SS PVC 0.020 2-12	<u>.</u>		HOLE HOLE WELL WELL CASIN	DRILLED DIAMETE DEPTH: DIAMETE DEPTH: DEPTH:	6/13/2005 ER: 8" 20' ER: 2" 15' UP: Flush	Location Map	See Figure 2
				E	LEVATION			NORT	THING		EASTING		
Backfill by	Casing	etion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery S	Interval ald	Soil Type	LITH	OLOGY	/ DESCRIPTION
Conc.	T		-								Asphalt (2")		- 14-14
							1—				Air-knifed/vac-	cleared to	5'
SEN!							2—						
3		- 1*					3					W. Washington	
							4-						
							E	+					
				Moist	3.4	11	5				Clayey SILT; grey, sl trace organics, mode		led orange, 5-10% clay, city, dense, moist
				1110101	0.1	1	6-						organics, trace coarse sand
				Moist	3.4	3	7-	7				increased	organics, trace coarse same
		-				3	8-			CL-ML	Clayey SILT; dark gr	ey, change	es to wood at 8.3'
				Moist	16.0	3 2	9-	14		SP	Silty SAND; 5% silt,	coarse san	d, with wood fragments
SAND			\Box	Moist		3	10-			SM	SAND; grey, fine to r	nedium, wi	ith 5-10% silt, moist,
S			7:57	Wet	399	3	 11—				wet at 10.5' depth		
			6/13/05	Wet	25.0	1		-			Silty SAND; grey, fine	e sand, 5-1	10% silt, loose, wet
						3 7	12-				(as above, wit	h wood fra	amente)
				Wet	5.9	5	13 —		1		(as above, wit	ii wood iia	ginents)
	Н		÷			5	14 —				(as above, bot	ttom 4" deg	graded wood, peat)
				Wet	19.9	5 5	15 —						
						3	16-			PT	PEAT; degraded woo	od/peat (po	oor recovery)
				Moist	6.0	50/5"	17-						
H.		_		Moist	24.1	10		+		WDFill	Wood fragments with	n silt	
NO.						12	18-				Wood fragments; ch	anges to n	eat at 19'
BENTONITE					2.5	5 7	19—				vydod nagments, ch	origes to p	SMI HILL
	1					В	20-						
							21-	-			BOTTOM OF HOLE	@ 20'	
							22-			1			

			PROJECT		WA255-3	3510-1		CLIEN'		ConocoPhillips 600 Westlake Ave N. Seat	tle WA	BORING/WELL NO: SB-15/DAS-12 PAGE 1 OF 1
Env	el:	ta ental	SAMPLING CASING TO SLOT SIZE GRAVEL P	METHOD: METHOD: /PE:	SS PVC 0.020 2-12	DATE DRILLED: HOLE DIAMETE HOLE DEPTH: WELL DIAMETE WELL DEPTH: CASING STICKL NORTHING Sample			DRILLED DIAMETI DEPTH: DIAMETI DEPTH:	6/13/2005 ER: 8" 20' ER: 2" 20'	Location Map	See Figure 2
Casing		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery S	interval aid	Soil Type	LITH	IOLOGY	/ DESCRIPTION
and the latest and th										Asphalt (2")		
00000						1—	-			Air-knifed/vac-	cleared to	8'
7						2—		1				
						2	-					
						3—	-					
						4-						
						5—						
To the	_					6—						
- # 9 9							-					
		a				7-						
<u> </u>					4	8-	+		SP	SAND: grev-brown,	fine, trace r	nedium, with <5% silt,
غَ ا			Dry	0.0	4	9-	Sistem		7.2	trace fine gravel, loo		
SENT CIVILE					5 6	4.0				(as above, ch	anges to sa	andy silt at 10.0', blue-grey
			Moist	9.5	7	10-			SM	10-15% fine	to medium:	sand, trace coarse sand
		10:25			7 2	11-				and organics		
		6/13/05	Wet	87.7	1	12-		n.		(as above, with	n large woo	d fragment (>6"), loose, wet)
	-				1 2	40	-10			Silty SAND; blue-gre	ey, 10-15%	silt, fine to medium sand,
			Wet	146	5	13—				wood fragments, tra	ce fine grav	vel, loose, wet
	-				3 2	14-				Silty SAND; as above	re	
			Wet	1.3	2 3	15—						
	-				5	16-		調		Silty SAND; blue-gre	ey, fine san	d, 5-10% silt, loose,
			Wet	0.0	4		-			non-plastic, wet		
					8	17-	1	A.			and slightly	coarser with increasing
SAND	-			0.9	7 5	18 —		- 1		fine gravel)		
0				200	6	19-					anges to p	eat with wood fragments
	-			0.0	3		+		PT	at 19.25')		
						20 —						
						21 —	+			BOTTOM OF HOLE	@ 20'	
	-				1	22-			1			

			PROJECT		WA255-3	510-1		JENT		ConocoPhillips	BORING/WELL NO: SB-17
	44.77		LOGGEDE		J. North			CATI		600 Westlake Ave N, Seattle, WA	PAGE 1 OF 1
De	~l+	0	DRILLER:		CDI		- 33		RILLED		ар
D	コル	a	and the second second	METHOD:					DIAMET		
				METHOD:					DEPTH:	20'	See Figure 2
Enviro	onmen	tal	CASING T		NA				DIAMET		See Figure 2
Consul	Itants,	Inc.	SLOT SIZE GRAVEL P		NA NA				DEPTH: S STICK	NA (UP: NA	
				LEVATION		_	NORTHI		3 3 1101	EASTING	
	1714									12.10111.0	
Well Comple	etion	21 - 11	0 +	ing	ان ان (ا	et)	Samp	ole	Ф		
≡ 0	0.00	Static Vater	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	100		Soil Type	LITHOLOG	Y / DESCRIPTION
Backfill	100	_evel	Cor	P. G	olov	ptt	Recovery	Interval	io.	Elliococ	, , beogram mon
8 3			2	붑	P A	ă	Rec	Ē	0)		
Conc.										Asphalt (2")	
ζo						1—	1	_		A: 1 % 1/2 - 1	1. Fl
~							++	-		Air-knifed/vac-cleared	10.5
-						2-	-	$\overline{}$			
	1-		1				1	\exists			-11
						3	1	-			
				2 4							54'44 (C) + 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
						4					
- N					2	5		10,0		Sandy Gravelly SILT; greys :	and browns, mottled,
*			Moist	0	2	6—	100			15-20% fine to medium sand	, with coarse sand, fine to
			-		3	0-				medium gravel, dense, non-	
					6	7—			GM		tier with depth; grades to
			Maist	0	6				SM	wood debris at 7.75"	
	_				7	8—					
(4)	_		2000	2	12			1	SM	Sandy Gravelly SILT; as abo	
			Moist	0	8	9—				clayey silt at 9.0, blue-grey,	with fine sand, moderate
	-				9				CL-ML	plasticity, dense, moist	to <=0/ ot - 10 5'\
ONITE			Moist	0	2 2	10-				(as above, sand decre	eases to <5% at ~10.5')
S			WOISE	U	11			(EX)			
BENT	-				100/2"	11—		2		(no recovery, large fla	ke of wood only)
띪			Moist	0	100/2					(no respectly) large ne	
.7			377 43 44			12-					
	17-10				4	40		1	WDFill	(no recovery, wood de	ebris)
			Moist	5.8	4	13-				(slow drilling in wood/	
					4	14—					
					50/6"	1.4				(poor recovery, wood	fragment)
- N			Moist	4.7		15-	7				
3						0.00					
		∇	1424		100/5"	16—	1			(poor recovery, wood	debris, water)
			Wet			2,000					
- 1					100/3"	17 —	-	-		Wood debris with trace Sand	ty Silt: as above
32	_		Wet		100/3"			-		Wood depris with trace sand	ay Oilt, as above
			vver		100	18—	1 8				
Av. I					21	9				Wood debris with Sandy Silt	· wet
			Wet		11	19-				Wood debile with bandy Sill	, 1101
*	-		1001		6	1		- 1			-
						20 —					
							1			BOTTOM OF HOLE @ 20'	
						21-					
-						22-					

		LOGGED	all a							
			BV:	J. North			LOCA	TION:	600 Westlake Ave N, Seattle	e, WA PAGE 1 OF 1
Del	+0	DRILLER		CDI			DATE	DRILLE	o: 6/14/2005	Location Map
Dei	13	DRILLING	METHOD:	HSA			HOLE	DIAMET	ER: 8"	
		SAMPLING	METHOD:	SS			HOLE	DEPTH:	20'	
Environm	ental	CASING T	YPE:	NA			WELL	DIAMET	ER: NA	See Figure 2
Consultant		SLOT SIZE	2	NA			WELL	DEPTH:	NA	
Jonountain	.0,	GRAVEL P		NA				NG STICK	77.70	
		E	LEVATION	4		NOR:	THING		EASTING	
ell Completion	01.11	0 +	ing	no C	ef)	Se	mple	Φ		
_ O	Static Water	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	1 2		Soil Type	LITH	OLOGY / DESCRIPTION
Casing	Level	Aois	(p. R.	low	₽	ove	Interval	- -	Lin	DEGGT / DESCRIPTION
3 8		20	吕	ag ag	De De	Recovery	ic	S		
<u></u>									Asphalt (2")	
					1-		-		A to tourite all one of	1 11 - 11
						+	+-		Air-knifed/vac-c	cleared to 5
					2-	+	+			
					1	+	1			
					3 —	1	1			
						+				
					4 —	1				
					-					
				2	5—			SM	Silty SAND; grey, 15-2	20% silt, fine to medium sand,
		Moist	19	2						5.75', with organic fragments,
				3	6-				moderate plasticity, de	
2.5				4	7_			SM		des to silty sand, 5-10% silt at 7.75'
		Moist	0.8	5	1				with charred or	rganic fragments, loose)
				4	8-		4			or the same
				4					(as above, chai	nges to sandy clayey silt at 9.25')
		Moist	0.0	3	9—	1	4	,		
				4		-	7 (1			
	∇	14/-4	0.0	3	10-	1	Î de			n, 10-15% silt, fine to medium
5		Wet	0.0	3		+-		SM	sand, with fine to coar	rse gravel, non-plastic, loose, wet
				10	11—	+-	100	-	(as above bott	om in wood at 12.25')
		Wet	0.4	7	- 4	+			(as above, bott	0111 111 WOOd at 12.23)
		1000	0.4	7	12-	1	ALEXE T			
				3	J. J.	+		PT-	(no recovery)	
		Wet		3	13	-	77 196	WDFill		******
				4		1				
3				1	14 —			i	(no recovery)	
		Wet		2	15					
				3	15—				7.4	
				5	16—			WDFill	Wood debris with Silt;	grey, wet
		Wet	2.2	7	10-		-			
				35	17—					27.77
122		All No. of the		4	6,6,5				Wood debris/PEAT; w	vet
		Wet	0.0	4	18-					
				4	,,,					
				6	19—			1		des to clayey silt, silty sand at 19',
		Wet	2.0	12					bottom in fine	to medium silty sand, 5-10% silt)
				30	20—		19			
					13	_				
-					21—		1		BOTTOM OF HOLE	@ 20'
_					20	-				
									t e	

				PROJECT	NO:	WA255-3	3510-1	CL	IENT:	CanocoPhillips	BORING/WELL NO: MW-54
				LOGGED E	BY:	C. Flemi	ng		CATION:	600 Westlake Ave N, Seatt	
Г	1	1	ta	DRILLER:		CDI			TE DRILLE	100	Location Map
L	J	Ы	Ld		METHOD:			НС	LE DIAME		
Ŧ		-		STATE SAVAGES	METHOD:				LE DEPTH		0 5 6
E	nvii	ronm	ental	CASING T		PVC			LL DIAME		See Figure 2
Co	nsı	iltant	s, Inc.	SLOT SIZE		0.020			LL DEPTH		
				GRAVEL P	LEVATION	2-12	1	NORTHIN	SING STIC	EASTING	-
					LEVATIO	N		NORTHIN		EASTING	
Veli C	omp	letion	Static	i ie	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Samp	le a		
Backfill	ng		Water	Moisture Content	(ppm)	etra	E)	Recovery	Soil Type	LITH	OLOGY / DESCRIPTION
ac	Casing	1	Level	ğΰ		be (blc	eb	000	So		
FS TYPE		-			<u>Ф</u>	-	ш	m -		Asphalt (4")	
ဋ်		1000						-			er at 8" below surface grade)
Conc.							1—		-	(4 aspilait lay	er at o below surface grade)
		-					3.223	+	-	Air-knifed/vac-	cleared to 5'
BENT,		-					2-	-			proken concrete, bricks, and
H		_							-	other debris)	and and
C	1						3-			5,10, 30010)	
							4-				
		-					_				
	Н					3	5-		100		
	П					4					
	П			Moist	0.0	4	6-		SP	Poorly Graded SAND); brown, with trace wood debris,
	П			AMPAN SORO		3	7				rick fragments at 7.5' to 8'
	П					4	/-				
	П			Moist	0.1	3	8-				
				1 1		3	0-				
			-	-		2	9_				well-graded, subrounded gravel,
				- Wet	0.1	2	"			no charcoal)	
	Ш					2	10-				
	Ц			1 1	0.3	2	1.5			(as above, wit	h 5%-10% sandy silt lenses)
0		_		1 1		2	11-				
SAND	Ш				2020	4		200			
ŝ	Н			Sat	0.0	10	12-				
		_				3					
						3	13-				
	\vdash	_		0-4	0.4	3		- 1	7 1000	U Mand delicia bassar	
	H			Sat	0.1	4	14-		WDF	Wood debris; brown	
	Н	-				6		- 8	1951		
	Н	-		Cot	0.1	5 4	15 —	3636E		(aradaa finary	vood debris (sawdust))
	Н	-		Sat	U. I	1		48.56		(grades liner v	wood deblis (sawdust))
	Н	-				2	16-	- 100	- 2		
	Н	-		Sat	0.6	2	107-67-	700		(grades coors	er wood debris)
	Н			Sat	0,0	6	17 —	1	.erii	(grades coars	Ci. IIOOG GCD/IS/
	Н	1				8			203A)		
	H	-			0.0	9	18—	100			
	H	-			0.0	9			SP	Poorly Graded SANI) grey fine sand
	H	-				21	19-	01-11-11	SP	Tuony Graded SANI	s, grey, mic sand
	H	-		Sat	0.1	17	5246				
	ш	-		Jai	0.1	17	20-				
		720						++		BOTTOM OF HOLE	@ 20'
		-					21-			SOLION OF HOLL	
		***					700700	1			
							22 —	1		-	

		Т		PROJECT		WA255-3	Della Septembra		CLIEN		ConocoPhillips	BORING/WELL NO: MW-55
		22		LOGGED	BY:	C. Flemir	ng		LOCA		600 Westlake Ave N, Seattle	
Γ	1	\sim l	ta	DRILLER:		CDI				DRILLED		Location Map
L	1	CI	la	100000000000000000000000000000000000000	METHOD:					DIAMETI	307	
					METHOD:	PVC				DEPTH:	20' ER: 2"	See Figure 2
E	nvii	ronm	ental	CASING T		0.020				DEPTH:	20'	oee rigule 2
Co	nsu	ıltant	s, Inc.	GRAVEL F		2-12				NG STICK	The second secon	
					LEVATIO			NORT		01101	EASTING	
								160	1000			
Vell C	ompl	etion	Static	e +	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sa	mple	be		
=	B		Water	Moisture Content	Rea	enetration (blows/6")	h (f	Recovery	val	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Casing		Level	န္မိပိ	0 0	blo blo	ept	000	Interval	Soi		
		-		-	Δ.	п. –	Ω	ď	-	112511	Asphalt (4")	
Conc.		1000		1		i.					Aspiral (4)	
ŭ							1-		1500		Air-knifed/vac-c	leared to 5'
H							2_	T L			(Medium sand	and concrete debris)
BENT												
ш		-					3-	-		SP	Poorly Graded SAND;	tan
							125	+		SF	Toony Graded SAND,	tan
							4-					
							5-					-> -> ->
				32.76 IV		2			1	1		
	Н			Moist	2.0	3	6-			ML		80% silt, 20% fine sand, firm,
	Н	-		1		6		+	3277	SP	non-plastic	with Gravel; brown-grey, 85% fine
	Н	-				5	7-			OI?		well-graded gravel, subrounded
	Ħ	-		Moist	16.8	4	١,				to mounding outra, 1070	won glazza glazza, ouz-to-
				0.1002-00303		100/1"	8-				784//898//44/	
							9-					
				Damp	26.0	20		100	-		MI G Lab : Gib	ille and as a disc
	Н	-				20 17	10-	-		WDFIII	Wood debris; fibrous	with cedar odor
	Н	-	•			11	100.00	+				
9	Н	-	7:25			9	11-	+				
SAND	П		6/9/05			38	40			1		
0,				Moist	33.3	16	12-		S S		(grades coarse	r wood debris fragments (timber))
				Wet		11	13-					with Silt; grey, 90% fine sand,
				Moist	0.0	8			1979	WDFill	10% silt, soft	
						4	14-		\downarrow			ood debris (sawdust-like),
	-					3					reddish-brown))
	\dashv			Damp	0.0	8	15—					
	\forall	-		Danip	0.0	3			1			
					0.0	2	16-	W				
						3	17—					
		-		74747	00400000	3	1.7				(grades tan say	wdust with trace fine sand and silt)
				Moist	0.0	7	18-		1		CIL OALID I	a
	H				1	10		- 3	182	SM		ith gray medium sand lenses,
	-	-			0.0	3 6	19 —				80% medium sand, 2	U70 SHL, SUII
	+	-			0.0	6				WDFill	Wood debris (sawdus	st)
	Ч	_					20 —			1	The desire (our date	
		_					21-			1	BOTTOM OF HOLE	@ 20'
					ŀ		21-					
							22-					
					1							

-			PROJECT	110.753	WA255-	A STANDARD STAN	CLIE		ConocoPhillips	BORING/WELL NO: MW-56
_			LOGGED I	BY:	C. Flemi	ng		ATION: E DRILLEI	600 Westlake Ave N, Seatt 6/9/2005	
		lta	100	METHOD:				E DIAMET	a gerre	Location Map
\boldsymbol{L}		ILA	The state of the s	METHOD:				E DEPTH:	20'	
_			CASING T		PVC			L DIAMET		See Figure 2
	vironn	ts, Inc.	SLOT SIZE	±	0.020			L DEPTH:	20'	
CON	Sultan	ts, inc.	GRAVELF		2-12		CAS	ING STICE		
			E	ELEVATIO	N		NORTHING	3	EASTING	
	mpletion	Static	ure	Reading (ppm)	ation (/6")	(feet)	Sample	ype		
Backfill	casing	Water Level	Moisture Content	PID Read (ppm)	Penetration (blows/6")	Depth (feet)	Recovery	Soil Type	LITH	OLOGY / DESCRIPTION
ပ္ခ									Asphalt (4")	
Conc.	E					1-			Air-knifed/vac-	pleased to El
The second second	1000						++-		All-Killieu/vac-i	cleared to 5
BENT	(100,000)				ř.	2-				
n						3-				
7							-			
						4 —		-		1-100
						8		1/		
					1	5-				
			Dry	7.3	3	6-	1	ML		% silt, 5% fine sand, 10% coarse
H	-				5 4	1			gravel, firm, non-plas	tic
-	-		Dry	11.5	4	7—			(grades trace f	ine gravel)
		į.	0.9	11.0	4	_			(grades trace)	ine gravery
					3	8-				
-			Dry	38.0	3	9-	M			
-	-		Moist	21.0	4			SP		with Gravel; dark brown with Gravel; grey, 80% well graded
-				21.0	5	10 —	7 3	300	sand, 20% well-grade	
			Moist		7	11 —	1 9	Ĭ		
SAND				San Carlo	3	''-				
2	-		Wet	7.0	5	12-			(as above)	
-	-	12:25	1		3	-				
		6/9/05	Wel	3.2	1	13 —	7 (A)		(as above)	
			Sat		4	14			y/	
					26	1.1	· 第			
-	-		Sat		25	15 —	3 3	1	/anada = busin	docomposed argenia (was adde bath
-	-		Sat Wet	4.8	15 6		1 1	WDFill		decomposed organic (wood debris)
-			,,,,,	1.0	7	16 —		TANDI III	at 19.0)	
			Wet	3.8	8	17 —	18		(wood debris, g	grades sawdust)
				1.7	4	18 —			Poorly Graded SAND	; grey, fine sand
	1				3	10_	京(書)		Wood debris; peat-lik	
	-		Sat	2.4	1 1	19 —		SP-SM	Poorly Graded SAND	with Silt; brown, some wood debris
			Jui	4.50	6	20 —	TAX.		(trace fine san	d at bottom)
	_					21—			BOTTOM OF HOLE	@ 20'
	- 4					22—				
						22-				

			PROJECT LOGGED	BY:	WA255-3 C. Flemin	ENGLISHED IN	CLIE		ConocoPhillips 600 Westlake Ave N, Seattle	BORING/WELL NO: MW-57 PAGE 1 OF 1
E	el nvironm nsultant		SAMPLINI CASING T SLOT SIZI GRAVEL I	METHOD: G METHOD: TYPE: E:	SS PVC 0.020 2-12		HOLI WELL WELL	E DRILLED E DIAMET E DEPTH: L DIAMET L DEPTH: NG STICK	ER: 8" 20' ER: 2" 20'	See Figure 2
	Seson	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery SS interval ald	Soil Type	ЦІТНО	DLOGY / DESCRIPTION
BENT. Conc.				L.		1-2-3-			Asphalt (4") Air-knifed/vac-c	leared to 5'
			Maist Maist	2.0	2 2 2 5 3 3 15	5— 6— 7— 8—		SP-SM		with Silt and Gravel; light brown, graded gravel, moderate plasticity
SAND		12:25 6/10/05	Dry Wet Wet	38.0 11.0 21.1 259.0	15 14 25 25 15 11 12 14 3 4	9- 10- 11- 12- 13-		WDFill	brown-gray, 50% sand 25% wood debris	debris and trace brick fragment; d, 25% silt with clay fines,
			Wet Wet Wet	30.0	6 3 4 5 36 6	14 — 15 — 16 —		WDFill	moderate plast	color with 15% fine gravel, ticity) vel with Sand; coarse gravel
			Wet Wet	9.1 1.0	3 4 4 7 6 6 8	17 — 18 — 19 — 20 —		SW-SM	(no recovery) Wood debris with Poo Well Graded SAND wireddish-brown sawdus	ith Silt; grey, wood fibers and
	-	12:25	Wet 1.0 6					BOTTOM OF HOLE (

				PROJECT LOGGED E		WA255-3 J. North	510-1	CLIEN		ConocoPhillips 600 Westlake Ave N, Seattle	BORING/WELL NO: SB-16/MW-58 , WA PAGE 1 OF 1
En	viro	nme	ta ental s, Inc.	SAMPLING CASING TO SLOT SIZE GRAVEL P	METHOD: METHOD: YPE:	PVC 0,020 2-12		HOLE WELL WELL	DRILLED DIAMET DEPTH: DIAMET DEPTH:	ER: 8" 20' ER: 2" 20'	See Figure 2
	Casing	on	Static Water Level	Maisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery & Interval ald	Soil Type	LITHO	DLOGY / DESCRIPTION
		+			Ф.			m -		Asphalt (2")	
BENIONILE CONC.							1— 2— 3—			Air-knifed/vac-c	leared to 5'
				Moist Moist	0.2	4 4 4 4 3	5— 6—		SM	2" thick dense silt lens	ey-brown, fine sand, 5-10% silt, see at 5.75' to 5.95', loose, moist
				Moist	0.0	3 4 5 7 3	8— 9—		SM	(as above)	0.8', changes to blue-grey clayey silt
			∇	Moist	9.6	3 4 3	10-			wood fragment	ts at 10.5' to 11.0') dark brown to grey, fine to medium
SAND			12:00 6/10/05	Wet	455	3 6 100/0"	12-				gravel, 10-15% organics, trace
	=	-		Moist	178		13 —				
				Wet	281	7 3 3	15 —				led, wood fragments, poor recovery
				Wet	253	4 4 3	16-	7.10		(as above, poo	
				Wet	15.4	10 24 10	18 —		PT	coarse, angula	nges to wood fragments at 17.75', ar wood fragments with silt) PEAT with trace fine sand and silt
				Wet	3.0	3 3 3	19 — 20 —	1		vvood fragments and	T E II WITH HOSE HITE SAITE AND SHE
							21 –			BOTTOM OF HOLE	@ 20'
	2						22 —	##			

			PROJECT		WA255-3	851D-1	CLIEN		ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: MW-59 He, WA PAGE 1 OF 1
_			LOGGED E	sY:	J. North CDI			DRILLE	- Variation 2002	Location Map
	اما	ta		METHOD:				DIAMET		
U	C	La		METHOD:			100	DEPTH:		
			CASING T		PVC			DIAMET	10 miles	See Figure 2
	vironm		SLOT SIZE		0.020			DEPTH:		
Con	sultant	ts, Inc.	GRAVEL P		2-12		CASI	NG STICK	KUP: Flush	
			E	LEVATION	N		NORTHING		EASTING	
Vell Cor	mpletion		0.41	- Bu	E (et)	Sample	w		
= (מ	Static Water	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		Soil Type	LITH	IOLOGY / DESCRIPTION
Backfill	Casing	Level	Vois	(P. R	ene	abt	Recovery	Soil		
	ق		3	<u>a</u>	9 =	۵	Re	67	A 1 - 14 (OII)	
Conc.							_		Asphalt (2")	
1000	-				l .	1-			Air-knifed/vac-	cleared to 5'
E	-		1			2_				
S	4-19					-				
BENTONITE						3-	0	-		
BE	-						++-			
						4-				
					100	5-				F 10 1500 1 10 5 1
				~ ~	4			SM		ottled, 10-15% sand, with fine to organic, dense, moist
+	-		Moist	2.0	2	6-		-	coarse graver, with o	ngame, dense, moist
	-	-			2				(as above, sa	nd decreasing)
			Moist	0.1	2	''-			4	
	_			7	2	8-			/aa ahaya ah	anges to peat at 8.5', dark brown/red)
ŀ	-		Moist	0.5	6 8			PT	(as above, cir	anges to peat at 0.0; dark brownined,
-	_		Worst	0.0	4	9-				
			15	2	2	10-	1. 数	SM		5-20% silt, fine sand, trace fine gravel,
	_		Moist	0.0	1 2	1 20			dense, moist	
		-			3	11-	3 S		(as above, fin	e sand, 15-20% silt, dark grey,
9	- 1		Wet	87	4				moist to wet	
SAND		15:50			4	12-				
"		6/10/05			6	13-	100			t decreasing, loose, saturated,
	-	_	Wet	281	8	1	8		slight visible	sheen)
ŀ	-				5 2	14-	30		(as above)	
1			Wet	4	3	15-				
					2	15-				U and a secrete debite legge
ł		1	Wet	188	3	16-	(Lun)	4	visible sheer	th gravel and concrete debris, loose,
			MAGE	100	5	1			VIGINIO STICCI	<u> </u>
					7	17-				e, 5-10% silt, fine to coarse gravel,
			Wet	8.5	18	18-			silt lense 5" thick, gr	ravelly SAND, fine to coarse,
	_				13				loose, wet, with con	crete ILT; grades to sandysilt/silt at 19.25',
		-	Wet	0.8	7	19-			thinly bedded, non-	
			AAGI	0.0	7	20			simily boundary more	
						20-				200
						21-	-	-	BOTTOM OF HOLE	: @ 20'
						22-				
				1	1	-				

				PROJECT LOGGED E		WA255-3 J. North	3510-1		CLIEN		ConocoPhillips 600 Westlake Ave N, Seattle, WA	BORING/WELL NO: MW-60 PAGE 1 OF 1	
E	nvir	onm	ta ental es, Inc.	DRILLER; CDI DRILLING METHOD: HSA SAMPLING METHOD: SS CASING TYPE: PVC SLOT SIZE: 0.020 GRAVEL PACK: 2-12 ELEVATION				NORT	HOLE WELL WELL CASIN	DRILLED: DIAMETE DEPTH: DIAMETE DEPTH: NG STICKI	TH: 20 METER: 2" See Figure 2 TH: 20' TICKUP: Flush EASTING		
Backfill	Casing	etion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery S	Interval ald	Soil Type	LITHOLO	OGY / DESCRIPTION	
Conc.	Ī										Asphalt (2")		
							1—	+			Air-knifed/vac-clear	ed to 5'	
ITE		-					2—				710 671100 740 5701		
BENTONITE		-						-				1/2	
E							3-	1			7 (mm. 4		
m			6	1			4-				59 1848 15 1 14 14		
		_	V				9	-					
	H					3	5—	7,10	15	SM		10-15% fine to medium sand,	
	П			Moist	0.0	4	6-				fine to medium gravel, mo	derate plasticity, dense, moist	
	Н	-	(G			3	5000			ł	(as above, gravel in	ncreasing)	
	П			Moist	1,9	5	7-				1,3		
	Н					4 76/6"	8-				(as above increasi	ng plasticity, sand decreasing,	
	Н	-		Moist	5.2	100		+			5-10% clay, botton		
				13,33.25			9-						
	Н			Moist	143	7 10	10 —		-	WDFill	Wood debris/Brick; ash fra sandy silt, low plasticity, d	agments, grey, grades to fine	
	H	-		WOISE	143	12	44		.,	SM	saridy siit, low plasticity, d	Crisc, Molec	
			∇	Q	1000 Tab	7	11-					to silty sand, grey, 5-15% silt,	
SAND	Н		11:40 6/14/05	Wet	244	6 5	12 —	3		SM	fine to coarse sand wet, visible sheen)	d, with brick fragments, loose,	
Ś	H	-	6/14/05			2	10	- 5		Sivi		coarse sand, 5-10% silt, with	
	口	-		Wet	205	2	13 —				fine to coarse gravel, loos	e, wet	
	H					2	14-				(as above silt incre	easing to 10-15%, with gravel,	
	H	-		Wet	270	2	15 —				wet, visible sheen)		
						3	15-				014 04410 6-1	nodium and 40 450/ alls will	
	H			Wet	9.0	56/6"	16-	+			fine to coarse gravel, loos	nedium sand, 10-15% silt, with se, wet	
	H			*****	0.0		17 —						
	П	-		14.	5.0	8	.,.				Wood/PEAT with cobble		
	H			Wet	52	8 9	18 —		3.5	WDFill			
						12	19-			WDFill	Wood debris		
	P	_		Wet	4.2	17	19-	1/2					
	П					8	20 —	100					
		-				-	21 —	1		1	BOTTOM OF HOLE @ 2	0'	
							21-	1					
							22 —		-				

SOIL CLASSIFICATION GRAPHIC SYMBOLS

MAJOR DIVISIONS	SYM	BOLS	TYPICAL SOIL DESCRIPTIONS
	GW		Well graded gravels or gravel-sand mixtures, little or no fines
GRAVELS	GP		Poorly graded gravels or gravel-sand mixtures, little or no fines
	GM		Silty gravels, gravel-sand-silt mixtures
	GC		Clayey gravels, gravel-sand-clay mixtures
	sw		Well graded sands or gravelly sands, little or no fines
	SP		Poorly graded sands or gravelly sands, little or no fines
SANDS	SM		Silty sands, sand-silt mixtures
	SC/SM		Clayey sands with a touch of gravel
	sc		Clayey sands, sand-clay mixtures
	ML		Inorganic silts and very fine sands, rock flour, silty or clayey sands or clayey silts with slight plasticity
SILTS & CLAYS	CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays,
LL<50	OL		lean clays Organic silts and organic silty clays of low plasticity
	МН		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils elastic silts
SILTS & CLAYS	СН		Inorganic clays of high plasticity, fat clays
LL>50	ОН		Organic clays of medium to high plasticity, organic silty clays, organic silts
HIGHLY ORGANIC SOIL	s PT		Peat and other highly organic soils
FILL MATERIAL	FILL		
ASPHALT/Cond	crete		
BENTONITE	5		Water Level - First Encounter
SAND			_
SAND			Static Water Level

			PROJECT	T NO:	\M\A 255	-3514-1		CLIEN	IT.	ConocoPhillips	BORING/WELL NO: SB-19
			LOGGED		J. North				TION:	600 Westlake Ave N, Seat	
		1 4	DRILLER		CDI	•			DRILLE	•	Location Map
)	ta		B METHOD:					DIAMET		
╽┕		la	SAMPLIN	IG METHOD	: SS				DEPTH:		
l	vironm	ontol	CASING -	TYPE:	NA			WELL	. DIAMET	ΓER: NA	See Figure 2
	ıvıronır ısultan		SLOT SIZ	Έ:	NA			WELL	DEPTH:	: NA	
	isuitaii	ts, ilic.	GRAVEL		NA			CASI	NG STIC		
				ELEVATIO	N		NORT	HING		EASTING	
W-0.00	22,6952			D	Ι _	+					
27.5	mpletion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	/pe		
₫.	gu.	Water	onte	Rea	etra	t)	very	va	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Casing	Level	ĕŏ	<u>데</u> (Pen (bk	Эер	Recovery	Interval	So		
		-		ш		+	<u> </u>	Ι		Asphalt (3")	
Conte	-						+			Concrete (10")	
ŏ						1-				Air-knifed/vac-cl	eared to 5'
	1 - 1					2-					
						-				SILT with Gravel; dense	9
						3-					
	1						_				
						4 –				CAND with City we address	- cand
	\dashv						_			SAND with Silt; medium	1 Sand
	-				-	₇ 5 –				Silty SAND: gray/brown	, sand fine, with fine to coarse
	-		Moist	0.6	-	7 .	-		SM	gravel, 10-15 % silt, loo	
					12					9	,
					5	7			CL/ML	Clayey SILT; gray, poor	recovery, with fine sand, loose/ moist
			Moist	4.9	5	'-					
					5	_ 8 –					
	-		A 4 = 1 = 4	0.4		5			SM		fine to medium, trace fine gravel,
			Moist	6.1		5 7 9 –				dense, moist	
111	-	∇			2	'				(As above mois	ture increases at ~10')
ONITE	-	V		0.0	2	10 –				(713 dbove, filois	tare mercases at 10)
	- 5				2						
BENT					2	2 11-				Silty SAND; dark gray,	sand fine to coarse, with fine to
Ö			Wet	178	2	2 42				medium gravel, 5-10%	silt, loose, wet
					. 3	3 12					
			147.	40	2	13 –					wood debris at ~13.5', increasing
	\vdash		Wet	49	2					silt and clay at	~13.5' dense, wet)
	-				'	14 –				(1" recovery, gra	avel)
	\vdash		Wet	18	1	3				(1 1000very, gra	
				_		15 –					
					5	16-				Wood Debris with Silty	SAND; sand fine to medium, 5-10% silt,
			Wet	3.3	6	'0				loose, wet, poor recove	ry
	-				5	_ 17 —					
	\dashv		14/- 4	0.4		5	+			(As above, poor	recovery)
	-		Wet	2.4		3 18 –					
	\dashv				2						
	\dashv		Wet	1.6	4	19 –				(Poor recovery	wood with sand/silty sand, fine to
	\dashv				6					medium, loose	•
						20 –					· · · · · · · · · · · · · · · · · · ·
						21 –					
l										BOTTOM OF HOLE @	20'
						22 –					

			PROJECT	T NIO:	WA255-	251// 1	CI	IENT:	ConocoPhillips	BORING/WELL NO: SB-20
			LOGGED		J. North	JJ 14-1		CATION:	600 Westlake Ave N, Sea	
-		4	DRILLER		CDI			TE DRILLE	•	Location Map
ш	Del	ta		METHOD:				LE DIAME		
-		la	SAMPLIN	G METHOD:	: SS			LE DEPTH		
Ι.	-	4 . 1	CASING ⁻	TYPE:	NA		WE	ELL DIAME	TER: NA	See Figure 2
	Environm		SLOT SIZ	Œ:	NA		WE	ELL DEPTH	: NA	
	onsultan	ts, inc.	GRAVEL	PACK:	NA		CA	SING STIC	KUP: NA	
				ELEVATIO	N		NORTHIN	1G	EASTING	7
<u> </u>	1				1		ı			
Well	Completion	Static	e t	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Samp	le e		
≣	Đ	Water	Moisture Content	Rea pm	etrai ws/	h (f	ery	Soil Type	LITH	IOLOGY / DESCRIPTION
Backfill	Casing	Level	မွ ပိ	д) д	old)	ept	Recovery	Soil		
	O			۵	п		<u> </u>	=		
Cone.	-						++	_	Asphalt (3")	
ē	_					1 —	+	_	Concrete (10") Air-knifed/vac-c	lograd to E'
							+	_	All-killied/vac-c	leared to 5
						2-			Gravelly SAND; gray	
									, o,b, gray	
						3 —	\dashv			
						1				
						4-			Silty CLAY; gray	
						5 —				
					2 2			CL		fine to coarse sand and fine to
			Moist	0.7	2	6—			coarse gravel, dense, r	noist
	\parallel				3			-	(A 1	
	$\parallel - \parallel$		Moist	0.6	4	7 —	_	CL/ML	(As above, poor	recovery)
	\exists		IVIOISE	0.0	4					
					3	8 —		ML	Silty SAND: gray, 10-1	5% silt, sand fine to coarse, dense,
		\sum		0.4	2				wet at 9'	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
					3	9 —				
<u>u</u>					3	10—		ML	(As above, grad	ling finer with depth to fine silty
ONITE			Wet	2.3	4				sand/sandy silt	, gray, dense, wet)
					5	11 —				
BEN			14/-4	0.0	4		+	GM	(As above, grav	el coarsening, loose, wet)
"	_		Wet	0.0	4	I 12 —				
					4			GM	(Poor recovery	gravel, all fines washed out)
			Wet	2.1	8	13 —			(Foor recovery,	graver, all filles washed out)
			'''		4					
					5	14 —		GM	(As above, few	bits of gravel, 1" recovery)
			Wet	0.2	7					<u> </u>
					8	13 -				
					4	16—		GM		recovery, most fines gone, with wood
			Wet	0.1	6	.			fragments. [Dril	ller reports voids])
					11	17 —			0.14 - 0 - 1 - 0.2 1 / 2.	40.450/.50
			14/04	0.0	1					gray, 10-15% fine silt, gravel
			Wet	0.0	12				fine to coarse, loose, w	eı
					8				SAND: gray medium to	o coarse, with trace fine gravel and 5%
			Wet	0.2	16	19 —	1		silt, loose, wet	5 554,56, with tidde line graver and 5/0
			,,,,,	0.2	12		1		ont, 10000, wot	
	<i></i>				-	20—	 			
I						24	 			
l						21 —			BOTTOM OF HOLE @	20'
						22 —				

			PROJEC [*]	TNO	WA255-	251/ 1	CI	JENT:	ConocoPhillips	BORING/WELL NO: SB-21
1			LOGGED		J. North			CATION:	600 Westlake Ave N, Seat	
		4	DRILLER		CDI			ATE DRILLE	•	Location Map
11)		ta		METHOD:				OLE DIAME		
	\cup	la		IG METHOD:				OLE DEPTH		
l		4 .	CASING :		NA		W	ELL DIAME	TER: NA	See Figure 2
		ental	SLOT SIZ	ZE:	NA		W	ELL DEPTH	: NA	
Cons	uitan	ts, Inc.	GRAVEL	PACK:	NA		C	ASING STIC	KUP: NA	
1				ELEVATIO	N		NORTHII	ΝG	EASTING]
				I _	1	-				
Well Com	pletion	Static	ıt e	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Samp	le g		
<u>≡</u> 6.		Water	Moisture Content	Reac	etral ws/	h (fe	ery -	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill Casing		Level	မှိ	D G	,ene	ept	Recovery	Soil Ty		
				<u>-</u>	Д. О		<u> </u>	=		
Сопе.	-						++	_	Asphalt (3")	
8	_					1 –		-	Concrete (10") Air-knifed/vac-cl	cored to 5'
	-						+++	-	All-Killed/vac-ci	eared to 5
						2-			Silty SAND/Sandy SILT	; gray, with some gravel
	-								ing in the carry of the	, <u>J</u> , g. a. c.
						3 -				
						1_1_				
						-			Silty CLAY; gray	
						5-	\perp	_		
	\dashv			0.4	3		\rightarrow	CL/ML		fine to coarse sand, trace fine
	-		Moist	31	3				gravel, dense, moist	
	\dashv				3				(As above)	
	-		Moist	5.0	2	7 –		_	(As above)	
	\dashv		1110101	0.0	2					
		\searrow			3	8-		SM	(As above, sand	l increasing, clay decreasing,
			Wet	140	2				loose, wet)	<u>. </u>
					4	-" اا ا				
111					7	10-		SM		wood fragments, sand fine to
ONITE	-		Wet	12	3		-		coarse, dense, wet	
Ę	-				5	11 –			Cilty CAND, gray 5 100	l/ cilt cond fine to copyed types fine
BENT			Wet	11	2				to medium gravel, loose	% silt, sand fine to coarse, trace fine
			1	''					to mediam graver, loose	5, WCt
	-				2			SM	(As above)	
			Wet	4	3	13 –				
					3	14 –				
					3	3		SM	(As above, with	brick and trace wood fragments)
	\Box		Wet		4	1 15 -				
	\dashv				4	+			(A - 1	40.450/ 216 2224502
	\dashv		14/04		4	16 —		SM		, 10-15% silt, sand fine to medium,
	\dashv		Wet		3 5				loose, wet, trace	e iirie gravei)
	\dashv				2	17 –		SM	(As above, poor	recovery ~ 8")
	\dashv		Wet		3	3	+ +		(7 to above, poor	
					3					
					2	19-		ML	Sandy SILT; gray, 20-3	0% silt, loose wet
			Wet		2	'9 -				
	\Box				2	20 —				
	\dashv						++	_		
	-					21 –	++	_	DOTTOM OF HOLE O	201
1	\dashv						++	-	BOTTOM OF HOLE @	2U ⁻
						22 –	+	\dashv		
]				l	

		PROJEC [*]	T NO:	WA255-3	351// 1		CLIEN	IT.	ConocoPhillips	BORING/WELL NO: SB-22
		LOGGED		J. North	3314-1		LOCA		600 Westlake Ave N, Seat	
		DRILLER		CDI				DRILLE	·	Location Map
Del	lta		METHOD:					DIAMET		Location map
	la		IG METHOD:					DEPTH		
		CASING		NA				DIAMET		See Figure 2
Environm		SLOT SIZ		NA				DEPTH		Oce rigure 2
Consultan	ts, Inc.	GRAVEL		NA				IG STIC		
			ELEVATION		I	NORTI		10 0110	EASTING	
				•					2,101,1110	
Well Completion	TOTAL S		PID Reading (ppm)	۲. (·	et)	Sar	nple	(1)		
	Static	Moisture Content	adi m)	atic s/6'	Depth (feet)		-	Soil Type		OLOOV / DECODIBIION
ili yklii	Water	ois	Re (pp	ow.	oth.	over	Interval	Ë	LIIH	OLOGY / DESCRIPTION
Backfill	Level	≥ 0		Penetration (blows/6")	Del	Recovery	Inte	Š		
									Asphalt (3")	
Cone.									Concrete (10")	
٥					'-				Air-knifed/vac-cl	eared to 5'
					2_					
									Silty SAND with Gravel;	gray
					3—					
					4 —	\perp				
_					'				Silty SAND; gray	
					5 —					
<i>-</i>				3						fine to medium, trace coarse gravel
		Moist		3 3 3	6—				loose, moist, poor recov	ery
<i>-</i>									Olara Oli T	d Conservato Sanchara and On Conservato
<i></i>		Moist		3	7 —					d fragments in shoe, with fine sand,
		IVIOISI		4 5					dense, moist	
					8 —			SM	Silty SAND: gray, with y	vood debris, 10-15% silt, sand fine,
		Moist		3 7				Sivi	loose, moist	7000 debris, 10-13 % siit, sand line,
		Wiold		9	9 —				10030, 1110131	
ш —	∇			3					(As above)	
FONITE	V.	Wet		7	10 —				(* 15 5.15 1 5)	
ō –				11	, ,					
				12	11 —				Wood debris; with silt a	nd fine sand, poor recovery (~ 4")
BEN		Wet		50/6"	12 —					
					12					
				10	13—				(Wood filled sho	e, no other recovery)
		Wet		6	'3					
				6	14 —					
				4					Wood debris; coarse wi	h silt and sand, dense, wet
		Wet		3						
				3					044- 159 11	-)
		14/54		3	16 —	_			(Wood filled sho	9)
		Wet		7 10		+				
				6	17 —				Sandy SILT; with wood	dahrie
				12					Januy SILT, WILIT WOOD	นอมเอ
				8	18 —					
				5					(As above)	
				7	19 —				(/ 13 above)	
				7						
				ľ	20—					
							П			
	1				21 —				BOTTOM OF HOLE @	20'
1					22		П			
					22 —					

			Inno Ino	T. 110	14/4055	0540.4		01.151	-	O a se a a Dia Illia a		DODING WELL NO. OD 4D
			PROJECT		WA255-3	3513-1		CLIEN		ConocoPhillips	N= 10/0	BORING/WELL NO: SB-1R
l _			LOGGED		J. North				TION:	600 Westlake Ave N, Seatt	r ·	PAGE 1 OF 1
ΙГ)el	to	DRILLER:	: 6 METHOD:	CDI				DRILLE		Location Map	
	ノロ	la							DIAMET			
1				IG METHOD:					DEPTH:			O
E	nvironm	ental	CASING 1		NA				. DIAMET			See Figure 1
Co	nsultan	ts, Inc.	SLOT SIZ		NA				DEPTH:			
			GRAVEL	ELEVATIO	NA	1	NORT		NG STIC	KUP: NA EASTING	-	
			'	ELEVATIO	V		NORI	пім		EASTING		
Well C	Completion	-		Б		±					1	
27.5		Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	Soil Type			
Ē	ing	Water	ont	Readi (ppm)	etra	ŧ	Ven	va	<u> </u>	LITH	OLOGY	/ DESCRIPTION
Backfill	Casing	Level	ΣÓ	_ <u>Q</u> (<u> </u>) de	Recovery	Interval	So			
_				<u> </u>		- -	<u> </u>	Τ_		Asphalt (3")		
Conc.	-						+	\vdash		Aspirali (5)		
ဒိ						1 —				Air-knifed/vac-cle	eared to 5'	
							+			7 (11 1(111104) 740 010	00100 10 0	
	-					2—	+					
	-					_	\top					
						3 —	\top					
	_						\top					
					5	4-			SM	Silty SAND; gray 10-159	% silt, sand	fine to medium, loose,
			Moist	0	5	5—				wet (from surface H2O	drag down)	
					5	5—						
					2	6-				Silty SAND; gray/brown	, 15-20% si	It, sand fine to medium,
			Moist	0	3	"				with fine to medium san	d, loose, m	oist to wet
					3	l 7—						
					3	'				Sandy SILT; gray, sand	fine to med	dium, 15-25% silt, low
			Moist	0	2	8—				plasticity, dense, moist		
					1			\vdash				
				4.0	2	9 —				Sandy SILT; gray, sand		rse, with fine to coarse
		$\overline{\Box}$		12	1					gravel, low plasticity, de	nse, moist	
ONITE					3	10 —				(A = ala =)		
8			Wet	120	2		_			(As above)		
			Wet	120	2	11 —						
BEN.	-				2					(As above)		
			Wet	72	1	12 —				(710 00010)		
	_		,,,,,,	12								
					3	13 —				(As above, chan	ges to peat	at 14')
			Wet	18	3	, ,				(12 212 3 7 3 , 3 . 1 4 1 1	<u> </u>	/
					3	14 —			PT			
					5	15				Slough/wood debris; chi	ips with dus	st, poor recovery
			Wet	3.4	7	15 —						
					50-0"	16—						
					4					Wood debris; trace fine	to medium	gravel, wet
			Wet	3.2	5							
					6	<i>''</i>						
					3	18—				(As above, chips	and sawdu	ust)
			Wet	2.8	4	-						
	—				5	19 —						
					6		+			(As above, 2" red	covery)	
					5	20—						
1	\dashv						+	—				
	-					21 —	+			DOTTON OF HOLE O	201	
1	\dashv						+	1		BOTTOM OF HOLE @	∠ U ⁻	
						22 —	+	1				
							1			1		

Delta				T			0510.1				0 81 111		I
Delta Completion Static Completion											ConocoPhillips	tlo NAZA	BORING/WELL NO: SB-4R
Delta Simplify Methods: Same in Methods: Signify Same in Methods: Same in Methods: Signify Same	_	_					I				•		PAGE 1 OF 1
Environmental Consultants, Inc.	ΙГ		ta									Location Map	
Environmental Consultants, Inc.		ノロ	la										
Consultants, Inc. Static Page													Con Figure 4
Vivel Completion Static Water Depth Static Water Level Vivel Completion Static Vivel Completion Static Vivel Completion Static Vivel Viv	E	nvironm	nental										See Figure 1
Vivial Completion Static Water Level Description O.3 3 3 4 Air-knifed/vac-cleared to 5'	Co	onsultan	ts, Inc.										
Static Water Level							1	NODI				4	
Asphalt (3") Asphalt (3") Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' SM Silty SAND/Sandy SILT; gray, 10-20% silt, sand fine to medium, trace coarse and fine gravel, loose, moist CL/ML Clayery SILT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand ar 7.5'; brown, loose, wet) (As above, with fine to medium sand and fine to medium gravel, loose, wet) (As above, with fine to medium sand and fine to medium gravel, loose, wet) (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (Overdrilled 1' between samples) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, moist (As above, moist (As above, moist (As above, with fine to medium gravel, loose, wet) (Overdrilled 1' between samples) (As above, moist (As above, with fine to medium gravel, loose, wet) (As above, moist (As above,					ELEVATIO	IN		NORT	HING		EASTING		
Asphalt (3") Asphalt (3") Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' SM Silty SAND/Sandy SILT; gray, 10-20% silt, sand fine to medium, trace coarse and fine gravel, loose, moist CL/ML Clayery SILT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand ar 7.5'; brown, loose, wet) (As above, with fine to medium sand and fine to medium gravel, loose, wet) (As above, with fine to medium sand and fine to medium gravel, loose, wet) (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (Overdrilled 1' between samples) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, moist (As above, moist (As above, moist (As above, with fine to medium gravel, loose, wet) (Overdrilled 1' between samples) (As above, moist (As above, with fine to medium gravel, loose, wet) (As above, moist (As above,	\A/edl	Completion			D ₀	c -	 =					<u> </u>	
Asphalt (3") Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' Silty SAND/Sandy SILT; gray, 10-20% silt, sand fine to medium, trace coarse and fine gravel, loose, moist CL/ML Clayery SILT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand ar 7.5'; brown, loose, wet) (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (As above, with fine to medium gravel, loose, wet) (Overdrilled 1' between samples) (As above, moist (As abo		7	Static	ure	adir (τ	atio /6")	fee		-	/pe			
Asphalt (3") Asphalt (3") Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' SM Maddin, trace coarse and fine gravel, loose, moist CL/ML Clayeyy SiLT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into sitty sand ar 7.5', brown, loose, wet) PEAT; dark brown, with fine to medium sand and fine to medium gravel, loose, wet (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (As above, with fine to medium gravel, loose, wet) (Overdrilled 1' between samples) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, moist (As above, moist (As above, moist (As above, with fine to medium graded into sitty sand ar 7.5', brown, loose, wet) (Overdrilled 1' between samples) (As above, moist with wood fragments/wire, poor recovery, very loose, wet) (As above, moist with wood fragments/wire, poor recovery, very loose, wet) (As above, moist (As above, mo	1	Bu		nistı	Reg Spir	etra ws.	(±	very	val	🗐	LITH	OLOGY	/ DESCRIPTION
Asphalt (3") Ali-knifed/vac-cleared to 5' SM Silty SAND/Sandy SILT; gray, 10-20% silt, sand fine to medium, trace coarse and fine gravel, loose, moist CL/ML Clayeyy SILT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand at ~7.5', brown, loose, wet) PEAT; dark brown, with fine to medium sand and fine to medium gravel, loose, wet (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (Overdrilled 1' between samples) (As above, with fine to medium gravel, loose, wet) Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet (As above, more degraded; grades to fine sand at ~15.5', loose, wet) SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet (As above)	ac	as	Level	≱ ŏ		lec (blc)eb	900	nter	Soi			
Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' SM Silty SAND/Sandy SILT; gray, 10-20% silt, sand fine to medium, trace coarse and fine gravel, loose, moist CL/ML ClayeyY SILT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand at ~7.5'; brown, loose, wet) 1.2 8 1.2 8 1.3 9 PT PEAT; dark brown, with fine to medium sand and fine to medium gravel, loose, wet (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (Overdrilled 1' between samples) (As above, with fine to medium gravel, loose, wet) Wood debris: pale orange, poorly degraded, large fragments to sawdust, loose, wet (As above, more degraded; grades to fine sand at ~15.5', loose, wet) Silty SAND; gray; sand fine, trace medium and coarse, loose wet (As above)		0				Ш.		×					
Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5'	<u> </u>	-11	th age					+	1	1	Asphalt (3")		
Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5'	्रह	_					1 —			4			
Silty SAND/Sandy SILT; gray, 10-20% silt, sand fine to medium, trace coarse and fine gravel, loose, moist	mmm)							+	1	-	A: 1 :6 :7		
3 3 3 4 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5							2-	_	1	1	Air-knited/vac-clo	eared to 5'	
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		-						_	-				
O.2 3 5 SM medium, trace coarse and fine gravel, loose, moist CL/ML ClayeyY SILT: gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand at ~7.5', brown, loose, wet) 1.2 8 10 (As above, with fine to medium sand and fine to medium gravel, loose, wet) (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, more degraded, large fragments to sawdust, loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above) (As above)							3 —	-	1	1			
O.2 3 5 SM medium, trace coarse and fine gravel, loose, moist CL/ML ClayeyY SILT: gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand at ~7.5', brown, loose, wet) 1.2 8 10 (As above, with fine to medium sand and fine to medium gravel, loose, wet) (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, more degraded, large fragments to sawdust, loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above, more degraded; grades to fine sand at ~15.5', loose, wet) (As above) (As above)								\bot	-				
O.2 3 5 SM medium, trace coarse and fine gravel, loose, moist CL/ML ClayeyY SILT: gray/blue gray, with fine to medium sand and fine gravel, dense, moist (As above, with wood fragments, grades into silty sand at ~7.5°, brown, loose, wet) 1.2 8 10 (As above, with fine to medium sand and fine to medium gravel, loose, wet) (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) (As above, more degraded, large fragments to sawdust, loose, wet) (As above, more degraded; grades to fine sand at ~15.5°, loose, wet) (As above, more degraded; grades to fine sand at ~15.5°, loose, wet) (As above, more degraded; grades to fine sand at ~15.5°, loose, wet) (As above, more degraded; grades to fine sand at ~15.5°, loose, wet) (As above, more degraded; grades to fine sand at ~15.5°, loose, wet) (As above)							4 —						
CL/ML ClayeyY SILT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist					_	3	3						
O.2 3 3 6 CL/ML ClayeyY SILT; gray/blue gray, with fine to medium sand and fine gravel, dense, moist O.4 3 8					0.3					SM_	medium, trace coarse a	nd fine grav	vel, loose, moist
fine gravel, dense, moist Comparison of the c							3						
fine gravel, dense, moist (As above, with wood fragments, grades into silty sand at ~7.5', brown, loose, wet) 1.2 8 1.2 8 1.4 10							6-			CL/ML			fine to medium sand and
(As above, with wood fragments, grades into silty sand at ~7.5', brown, loose, wet) 1.2 8 10							_			1	fine gravel, dense, mois	st	
Sand at ~7.5', brown, loose, wet) 1.2 8 1.2 8 1.2 8 1.3 9 PEAT; dark brown, with fine to medium sand and fine to medium gravel, loose, wet (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) (Overdrilled 1' between samples) (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet (As above, more degraded; grades to fine sand at ~15.5', loose, wet) SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet (As above)					0.2		7 —		ــــــــــــــــــــــــــــــــــــــ				
PT PEAT; dark brown, with fine to medium sand and fine to medium gravel, loose, wet 1.2 8 10 (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) 12 (Overdrilled 1' between samples) 4.5 10 (As above, with fine to medium gravel, loose, wet) Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet 15 (As above, more degraded; grades to fine sand at ~15.5', loose, wet) SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet (As above) (As above)									ــــــــــــــــــــــــــــــــــــــ				
PEAT; dark brown, with fine to medium sand and fine to medium gravel, loose, wet 1.2 8 10 (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) 1.5 10 (As above, with fine to medium gravel, loose, wet) (As above, with fine to medium gravel, loose, wet) Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet 1.5 (As above, more degraded; grades to fine sand at ~15.5', loose, wet) SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet (As above)			\searrow				·I 8—		_	,	sand at ~7.5', bi	rown, loose	, wet)
medium gravel, loose, wet 1.2 Maximum Max					0.4		3		_				
1.2 8 10 (As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) 1.5 10 (Overdrilled 1' between samples) 4.5 10 (As above, with fine to medium gravel, loose, wet) Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet (As above, more degraded, large fragments to sawdust, loose, wet) (As above, more degraded, large fragments to sawdust, loose, wet) (As above, more degraded, large fragments to sawdust, loose, wet) (As above, more degraded, grades to fine sand at ~15.5', loose, wet) SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet (As above)							9 —		_	PT			dium sand and fine to
(As above, poorly degraded wood fragments/wire, poor recovery, very loose, wet) 10						1			_		medium gravel, loose, v	vet	
0.4 6 11 12	#				1.2		10 —			ļ			
0.4 6 11 12	7					1	1	\perp		ļ			
4.5 10 6 6 14 Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet 7.1 1 1							<u>'</u> 11 —				poor recovery, v	ery loose,	wet)
4.5 10 6 6 14 Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet 7.1 1 1	面				0.4	"	٥	_			(0 1 111 1 111		
4.5 10 6 6 6 6 6 6 6 6 6	m						12 —				(Overdrilled 1' be	etween san	nples)
0.2 4 14 Wood debris; pale orange, poorly degraded, large fragments to sawdust, loose, wet (As above, more degraded; grades to fine sand at ~15.5', loose, wet) SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet (As above)		_				1.0				-	(1)		
O.2 6 7.1 1 7.1 1 2 6 5 7.1 1 2 6 5 10 10 10 10 10 10 10 10 10					4.5	_	13—				(As above, with t	tine to med	ium gravel, loose, wet)
0.2 4 5 5 7.1 1 1 2 6						1				-	Maradal III		La consideration
7.1 1 1 2 6 15 5 5 15							14 —			-			iegraded, large
7.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					0.2			+		ł	tragments to sawdust, lo	oose, wet	
7.1 1 2 6 3 16 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3										-	/A 1	4 2	and the C
SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet O.2 12 15 18 (As above)						, ا		+		-			grades to fine sand
SM Silty SAND; gray; sand fine, trace medium and coarse, loose wet wet (As above)					/.1		16—	_		1	at ~15.5', loose,	, wet)	
0.2 12 18 wet (As above)								+			O'IL OALID	C	
0.2 12 18 (As above)							17—	-		SIVI		tine, trace r	nealum and coarse, loose,
15 18 (As above)								+		-	wet		
					0.2			_		-	(0.1.)		
							기	+		1	(As above)		
					0.1	11	19—	-		-			
					_	13		\bot					
					0.2		20—						
		\perp						\bot		1			
	1						21 —						
BOTTOM OF HOLE @ 20'	l						-'	\bot			BOTTOM OF HOLE @	20'	
	1						22_]			

			Inno Ino	T.110	14/405/	5-3513-1		01.151	·=	O Di-III	
			PROJEC [*]		J. Nort			CLIEN	NT: ATION:	ConocoPhillips 600 Westlake Ave N, Seat	BORING/WELL NO: SB-5R tle, WA PAGE 1 OF 1
I _	_		LOGGED DRILLER		CDI	11			DRILLE	•	,
		ta		3 METHOD:					DIAME		Location Map
▮┕	ノロ	la									
				IG METHOD					DEPTH		Soo Figure 1
Er	vironm	nental	CASING		NA				. DIAMET		See Figure 1
Cor	ısultan	ts, Inc.	SLOT SIZ		NA NA				. DEPTH NG STIC		
				ELEVATIO			NOR	THING		EASTING	
				LLLVXIIO			NOIL			L/1011110	
Well Co	mpletion	GC-s	0.4	PID Reading (ppm)	٦ -) (je	Sa	mple	(I)		
200		Static	Moisture Content	adi m)	atic s/6'	Depth (feet)			Soil Type		OLOGY / DECODIDATION
Ŋ.	Casing	Water	ois	Re (pp	netr No	닭) Jover	Interval	l je	LIIH	OLOGY / DESCRIPTION
Backfill	Š	Level	≥ ∪	吕	Penetration (blows/6")	De	Recovery	Inte	Ň		
	-							T		Asphalt (3")	
Соле						1				. , ,	
O						'					
						2-				Air-knifed/vac-cl	eared to 5'
	200					-	\perp	1			
						3-		1			
	1						+	1			
	-					4-				OL C!!	See to a see a
	\dashv		14-1-4	0.0		4	-				fine to coarse gravel and sand,
			Moist	0.6		5 6 5-			CL	~20% silt, dense, moist	
	\dashv				1	ام				(As above poor	**************************************
	-		Moist	4.9	16 5	6-				(As above, poor	recovery)
	-		IVIOISE	4.5	7						
					l'	8 7-				(As above with	wood debris, poorly degraded,
	-		Moist	6.1		7				loose, moist)	wood dosno, poonly dogradod,
			1110101	011	1	6 8-				10000,	
					4					(As above (wood	l), grades to clayey silt at ~9',
					5	9-					h fine sand and gravel, moist)
ш		∇		0	10	_ 10-					-
ONITE						5			CL	Clayey SILT; with fine to	medium gravel and wood fragments,
			Wet	2.6		3 11 -				wet, poor recovery	
BEN						3 ' '					
m					4	12-			PT	PEAT with fine Sand; d	ark brown, loose, wet, poor recovery
	-		Wet	1.3	6	'-	\perp				
					6	13-					
	\dashv		14/-4	10		1	+			vvood debris; poorly de	graded, loose, wet, poor recovery
	-		Wet	1.0		3 ₁₄ -					
					4	٦				(As above all w	ood debris, wet, loose, 6" recovery)
	-		Wet	0	4	15-				(As above, all W	bod debite, wet, loose, or lectively)
	\dashv		,,,,,,		5						
	\neg				1 -	2 16-			SM	Silty SAND: with wood	debris, 10-15% silt, loose, wet,
	\dashv		Wet	0		2	+			poor recovery (~8")	,
						2 17-					
					7	10				Silty SAND; gray, 10-15	% silt, sand fine to coarse, loose,
			Wet	0	12	18-				wet	
					10	19-					
						6				(As above)	
			Wet	0	1	1 20-					
	\dashv						_				
1	-					21 -		1			
	_						+	-		BOTTOM OF HOLE @	20'
						22 -		+			

			Inno Ino		14/4055	0540.4		IENIE		O Distilling		DODING WELL NO MAY 54D
1			PROJECT			-3513-1	_	LIENT:		ConocoPhillips 600 Westlake Ave N, Seatt	lo \\/^	BORING/WELL NO: MW-54R
1 _	_		LOGGED		J. Nortl	I		CATI		,		PAGE 1 OF 1
ΙГ	\bigcap	ta	DRILLER:	: 3 METHOD:					RILLE		Location Map	
)el	la							DIAMET			
				G METHOD:					EPTH:			Can Figure 1
E	nvironm	nental	CASING 7		NA				DIAMET			See Figure 1
Co	nsultan	ts, Inc.	SLOT SIZ		NA				EPTH:			
			GRAVEL	ELEVATIO	NA				STIC	KUP: NA EASTING		
			'	ELEVATIO	IN		NORTHI	NG		EASTING		
Well (Completion			рг	E ~	-	Camar	اما	4)			
-		Static	Moisture Content	adii n)	atic s/6"	Depth (feet)	Samp		Soil Type			
喜	guis	Water	oist	Re ppi	netr ows	듇	over	Interval	Ξ	LIIH	OLOGY	/ DESCRIPTION
Backfill	Casing	Level	≥o	PID Reading (ppm)	Penetration (blows/6")	Deg	Recovery	lute	S			
							 	\dashv		Asphalt (3")		
Conte							+	\neg		- 15p****** (=)		
ق						1-						
						2_				Air-knifed/vac-cle	eared to 5'	
						3—						
						ľ						
						4 —	\perp					
			Moist	0.0		3						o medium gravel, sand fine
						4 5—			SM	to medium, 10-15% silt,	loose, moi	st
						5 5	\blacksquare					
					4	6 —			014	(As above)		
			Moist	0.0	2		\blacksquare		SM			
	-				4	7—	-			(As above)		
	\vdash			0.1		2 ' 2 °	+		SM	(As above)		
				0.1		8 –			SIVI			
		∇			3	٦	\blacksquare			(Δs ahove silt in	creases to	25% then decreases
			Wet	0.0	3	9 —			SM			creases, sand coarse,
ш			,,,,,	0.0	2				• • • • • • • • • • • • • • • • • • • •	loose, wet)	,, g. a. r o	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ONITE					1	6 10 —						
ō			Wet	0.0		7 44			SM	(As above, wood	l fragments	at ~11')
BENJ						8 11 —				,		
80					5	12 —				Silty SAND/GRAVEL, ch	nanges to v	vood/peat at ~12'
			Wet	0.0	6	'2			PT			
					9	13—						
						4	\perp			(2" recovery, sav	vdust)	
			Wet	0.0	1	9 14 —						
					<u>[</u>	4						
			,,, ,		4	15 —	+			(6" recovery; 100°	% wood frag	gments, sawdust and chips)
			Wet	0.0	5							
	∥ —∣				5	16—				/A1 00		
	-		14/64	0.0		4 6	+-			(As above, 6" red	covery)	
	$\parallel - \parallel$		Wet	0.0		o 17 —						
	1 -		Wet	0.0	5	1				(As ahove more	degraded	peat, dark orange/brown,
			VVEL	0.0	11	18 —	-			6" recovery)	ucyraucu	peat, uain orange/brown,
	\vdash		Wet	0.0	9							
			,,,,,	0.0		5 19 —			SM	(As above chance	es to fine s	silty sand at ~19',
	1 -		Wet	0.0		7			CIVI	10% sand, loose		my dana at 10;
	a ——		''''	0.0		' 20 —				10 /0 00110, 10030	-,	
1	\dashv					2.4	++	\dashv				
1	\neg					21 —	+	\neg		BOTTOM OF HOLE @	20'	
1						22	+	\neg				
1						22 —	\top	\neg				
						-						

SOIL CLASSIFICATION GRAPHIC SYMBOLS

MAJOR DIVISIONS	SYN	BOLS	TYPICAL SOIL DESCRIPTIONS
	GW	3	Well graded gravels or gravel-sand mixtures, little or no fines
GRAVELS	GP		Poorly graded gravels or gravel-sand mixtures, little or no fines
	GM		Silty gravels, gravel-sand-silt mixtures
	GC	H	Clayey gravels, gravel-sand-clay mixtures
	sw		Well graded sands or gravelly sands, little or no fines
	SP		Poorly graded sands or gravelly sands, little or no fines
SANDS	SM		Silty sands, sand-silt mixtures
	SC/SM		Clayey sands with a touch of gravel
	sc		Clayey sands, sand-clay mixtures
	ML		Inorganic silts and very fine sands, rock flour, silty or clayey sands or clayey silts with slight plasticity
SILTS & CLAYS	CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays,
LL<50	OL		Organic silts and organic silty clays of low plasticity
	МН		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils elastic silts
CH TO 9 OLAVO	СН		Inorganic clays of high plasticity, fat clays
SILTS & CLAYS LL>50	ОН		Organic clays of medium to high plasticity, organic silty clays, organic silts
HIGHLY ORGANIC SOILS	PT		Peat and other highly organic soils
FILL MATERIAL	FILL		
ASPHALT/Concr	ete		
BENTONITE			Water Level - First Encounter
SAND			Water Level - First Encounter
SAND			Static Water Level

	I		14/4055	2545.4			O DUIL	
	PROJEC [*] LOGGED		WA255-3			ENT: CATION:	ConocoPhillips 600 Westlake Ave N, Seat	BORING/WELL NO: MW-61 tle, WA PAGE 1 OF 1
	DRILLER							
Delta		 G METHOD:		Drilling, Ir		E DRILLE		Location Map
Della						E DIAME		
		IG METHOD:				E DEPTH		Soo Figure 2
Environmental	CASING		PVC			L DIAME		See Figure 2
Consultants, Inc.	SLOT SIZ		0.010"			L DEPTH		
	GRAVEL	ELEVATIO	2-12	l N	ORTHIN		KUP: 0 EASTING	-
		30.24	V		231529.4	3	1269264.7	
Well Completion			۵ ء					
Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	Soil Type		
₩ater	onte	Re	etra	₽	ven	<u>-</u>	LITH	OLOGY / DESCRIPTION
Water Level	ĕŏ	تِ ا	Per (blc	dec	Recovery	S		
		<u>ц</u>	_		<u>~ -</u>		Asphalt/Concrete (16	"\
						-	Asphali/Concrete (16)
Conne				1 ——		-		
unuun —				_		-	Air-knifed/vac-	cleared to 5'
Bent T				2		-	All-Killicu/vac-	
						+		
				3 ——		1		
				-		1		
				4		1		
						SP	Sandy GRAVEL: brov	wn-gray, rounded pebbles,
	Moist		4	5			coarse to fine sand	<u>J</u> ,
		0	3	_				
			4	6			(As above, with	n wood debris)
			2					
	Moist	0	1	'		SM	Silty SAND; gray-gree	en, fine
	Wet		1	8				
			2	l				
		0	2 2 3	9 —				
$ \mu$ μ			3	_				
			2	10 —				
	1,,	0	3				0 1 011 7	*41
6 H —	Moist		4	11		-	Sandy SILT; green, w	vitn rounded gravei
SAND		0	2 3 2			-		
Ø ⊢ —	Moist		2	12		ML	SILT; gray-green, stif	f maint
	IVIOISI		2			- IVIL	Sici, gray-green, sur	i, moist
H		0	1	13 ——				
H = H			li	_				
			1	14 ——		GW	Sandy GRAVEL; rour	nd pebbles, with silt
	Moist	0	2			 		300.00,
			2 1	15 ——				
			1	_			(As above, with	n wood debris)
		0	1	16 ——		1	,	,
	Sat		2	17			(Poor recovery	<u>')</u>
			1	17——				
	Sat	0	1	18 —				with white, coarse to fine sand,
			1				angular	
			2	19 —				
		0	1					
			2	20—		_		
_						1		
\longrightarrow				21 —		4	BOTTOM OF HOLE	@ 20'
4				_		4		
-				22 ——		4		

		Inno Ino	T.N.O.	14/4055	0545.4		01.151	·-	O a se a a Diallina	IDODINOMELL NO MIMOS
		PROJECT LOGGED		WA255	·3515-1 h/L. Brock		CLIEN	NT: NTION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: MW-62
_	= ,								·	<u>'</u>
	lta	DRILLER			e Drilling,	inc.		DRILLE		Location Map
De	Ila		METHOD:					DIAMET		
			IG METHOD:					DEPTH:		0 5:
Environi	mental	CASING		PVC				. DIAMET		See Figure 2
Consulta	nts, Inc.	SLOT SIZ		0.010"				DEPTH:		
		GRAVEL	ELEVATIO	2-12	1	NORT		NG STICI		
			29.74	N	'	23158			EASTING 1269266.0	
Mell Constation		<u> </u>		T -					1209200.0	<u> </u>
Well Completion	Static	Moisture Content	din (c	enetratior (blows/6")	feet		mple	Soil Type		
ill B	Water	nistr onte	Readi (ppm)	etra] <u>:</u>	/ery	val		LITH	OLOGY / DESCRIPTION
Backfill	Leve	Moisture Content PID Reading (ppm) Penetration (blows/6") Depth (feet)				Recovery	Interval	Soi		
	_		_	Н.		Ř	_		A -	OII)
ш <u>е</u>	4				-	+	<u> </u>		Asphalt/Concrete (~1	6")
통 —	-				1 —	+			Air-knifed/vac-	alogned to E'
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1				-				All-Killeu/vac-	cleared to 5
# -	-				2					
Bent.					-	+				
					3 —	+				
	-				-	+	\vdash			
	+				4 —	+				
	+				-	+			+	
H -	-			-	5 —			SM	Silty SAND; brown to	gray fine
H -	-		2.1	3	[] -			Civi	Only OAND, brown to	gray, inic
-H	-		2.1	8	(6 					
H -	-			4	Ί -					
-H	\Box		1.8	4	7 —			SP	SAND; gray, fine	
-				6	-				J. a. i , g. a. j , a. i	
				3	8 —	1				
	1		2.1	3	3l -				(As above)	
	1			6					,	
	A T			2	10—			SC	SAND with Clay; gray	v, fine sand
			0	3	110—					
	1			3	11					
SAND	∇			2	임'' _			SP	SAND; brown, fine to	medium
& ∐			0	2	12-					
				6	il '					des to gray, fine sand with clay)
<u> </u>				1	13 —			SC	Clayey SAND; gray, f	ine to medium
<u> </u>	_		2.5	2	-					
Н—	_			2	14 —					
Н -	_	Wet	l		_			SC-SM		Clay; gray, fine sand, wood
<u> </u>	_		11		15 —				fragments, wet	
□	4	Sat		10	' –					medium sand, saturated)
<u> </u>	4		400	14	16 —			SP	SAND; gray, fine, woo	od fibers, some silt, saturated
- H -	4		13.2	23 13	-					
<u> </u>	4				17 —					
	\dashv		E 4	4	· [/Aa ahaara siii-	doe to cooree sond\
-H-	\dashv		5.1	8	18 —				(As above, gra	des to coarse sand)
<u> </u>	\dashv	Wet		ا ا	`			SW	CAND: coores to fire	wot
-H-	\dashv		17.2	6	19—			ML	SAND; coarse to fine	
- H -	\dashv	Dry	''.∠	6	-				Clayey SILT; reddish Wood fragments	DIOWII, IIIIII
	-			4	20-			vvood	vvoou iraginenis	
_	-				-	+	\vdash		BOTTOM OF HOLE	 ര 20'
	+				21 —	+			POLICINI OL HOLE	<u>w 20</u>
_	-				-	+				
	-				22 —	+				
	I.								I.	

	Inno in	OT NO	MAGEE	2515 1	01	ENT.	CanacaDhillina	DODING/WELL NO. MW 00			
	PROJE LOGGE		WA255-3 B. Pletch			ENT: CATION:	ConocoPhillips 600 Westlake Ave N, Seat	BORING/WELL NO: MW-63 ttle, WA PAGE 1 OF 1			
			CDI	101		TE DRILLE	,	Location Map			
Delta	DRILLI	· ". NG METHOD:						Ecodion Map			
	SAMPI	ING METHOD				LE DEPTH					
	CACINI	TYPE:	PVC			LL DIAME		See Figure 2			
Environment	aı		0.010"			LL DEPTH		300 1 iguil 2			
Consultants, lı	nc. I	L PACK:	2-12			SING STIC					
		ELEVATIO		N	IORTHIN		EASTING	1			
		29.43			231635.8	1	1269267.3				
Well Completion		PID Reading (ppm)	E (et)	Sampl	e 0					
	Moisture Content	ead m)	Penetration (blows/6")	Depth (feet)		∠		IOLOGY / DESCRIPTION			
Backfill Casing	ovel Solution	(pp	net	pth	Recovery	<u> </u>		IOLOGY / DESCRIPTION			
Backfill Casing	20	H	P _a	۵	Rec Inter	S					
							Asphalt/Concrete (18	3")			
- Com											
				'-							
2				2			Air-knifed/vac-	cleared to 5'			
EN BE											
		1		3 —		_]					
		1									
		1		4 —		\Box					
				l							
-				5 —		_					
	Mois		2	_		SM		ne, with gravel and 6-inch cobbles,			
— _ _		6.7	2	6			stiff				
			2	_							
		1	1				(4)				
		14.5	3	_			(As above)				
<u> </u>	Mois	^t	3	8 —							
		10.7	2	-							
	Maio	12.7		9 —		ML	Clayer Cll Tr brown	trace fine acad stiff			
	Mois	1	2	_		- IVIL	Clayey SILT; brown,	trace line sand, still			
	Wet	12.5	'1	1 1()							
H	"	12.5		_			Sandy SILT; gray, fin	as sand wood debris			
			3	11 —			Carlay OLLT, gray, IIII	ic sand, wood debris			
SAND	Sat	13.5	3	-							
8 H —	Jour	10.0	4	12 —							
		1	4								
		14.1									
	Sat		5 2	, , -			Wood debris; loose, i	porcelain chips in dark gray silty sand			
			3	14			, , ,	, , , ,			
		10.2	2	45							
			1	15 —							
	Sat		2	16							
		11.3	3 3	16		SM	Silty SAND; dark gray	y, coarse to fine, angular, few			
			3	17—			rounded pebbles				
		1	2	''							
	Sat	13.5	1	18—							
		1	2								
		1	4								
		0.1	8				(As above)				
	Sat	1	8	20							
		1			$\sqcup \bot$						
				21 —		_	BOTTOM OF HOLE	@ 20'			
		1		_	$\vdash \vdash$	\dashv					
				22 —		_					
		1									

			PROJECT	ΓNO:	WA255-	3515-1		CLIEN	NT:	ConocoPhillips	BORING/WELL NO: MW-64
			LOGGED	BY:	M. Smith	n/L. Brock		LOCA	TION:	600 Westlake Ave N, Seattl	le, WA PAGE 1 OF 1
		1_	DRILLER:	:	CDI			DATE	DRILLE	D: 10/11/2005	Location Map
1)	ÐΙ	ta	DRILLING	METHOD:	HSA			HOLE	DIAMET	ER: 8.5"	
	\mathbf{O}	LC	SAMPLIN	G METHOD:	SS			HOLE	DEPTH:	20'	
			CASING 1	TYPE:	PVC			WELL	DIAMET	ER: 2"	See Figure 2
		ental	SLOT SIZ		0.010"				DEPTH:		333ga. 3 _
Cons	ultant	ts, Inc.	GRAVEL		2-12				NG STIC		
				ELEVATIO		l N		HING	10 01101	EASTING	
			·	28.73			23170			1269268.9	
Well Comp	nlation				<u> </u>						
	Dietion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		nple	Soil Type		
III Bu		Water	istu onte	Zes opn	etra) E	/ery	val		LITH	OLOGY / DESCRIPTION
Backfill Casing		Level	క్ర	3) I QI	(pic)	ebi	Recovery	nterva	Soi		
				П	п		Re	_=			
	100					_				Asphalt/Concrete (~18	8")
Ĕ						1 —					
	-					l					
E						2				Air-knifed/vac-c	cleared to 5'
Bent.	- 2										
						3					
						3					
						4					
$-\Box$	\Box				4	5			SC	SAND with Clay; gree	enish-gray, fine sand
-H				0	4					, , , , , , , , , , , , , , , , , , , ,	<u> </u>
					4	6					
	\neg		Moist		2	l				(As above, med	dium sand, thin layers, moist)
	\neg			0	2	7 —				(1.10.010010) 11100	aram sama, arm ray ere, merety
	\dashv			Ü	2						
	\neg				2	8 —				(As above incr	easing clay content)
	\dashv			0	2	-				(713 45070, 11101	casing siay content)
	\neg			Ü	6	9 —					
-	-		Moist		<u>ا</u> 1	-					
			Wiolot	0	l i	10 —				SAND with Clay; gray	fine sand moist
	-			O	4	-				Or ITE WILL Clay, gray	, into saria, moist
□ H	-				7	11 ——				(Δs above fine	to medium sand)
SAND	-		Wet	0	7	-				(A3 above, fine	to mediam sana)
S H	_		1100	U	9	12 ——			SP	SAND: gray fine to m	nodium
	-					-			35	SAND; gray, fine to m	IGUIUIII
-				0	2	13 ——					
-	$\mid \; \dashv$			U	4	-					
-			Wet		₁ 4	14				SAND; fine, with incre	pasing clay, wet
H	$\mid \; \dashv$		vvel	0	[]	-				IOAND, IIIIE, WILII INCRE	easing day, wet
-H	-			U	1	15 ——				/ A = = =	a property of the property
-H	\vdash		C		3	-					n small wood fragments)
-			Sat	0	3					SAND; gray, fine to m	iedium, saturated
Н	$\mid \; \; \dashv$			0	3						
	-				5	17				/ ^	4\
Щ	$ $ \dashv		Sat	_	3	l –				(As above, fine	sand)
$-\Box$	$=$ $ $			0	3	18					
	$ $ \dashv		_		4	l _				(A	
	—		Sat	_	8					(As above, with	wood fragments)
	$ $ \perp			0	8						
					12	20—					
	\dashv					_		Ш			
	\Box					21 ——				BOTTOM OF HOLE (@ 20'
	\dashv					l					
						22 —					
			1		1	ı		l l			

Delta											
Delta BRILLER: CDI										ConocoPhillips	BORING/WELL NO: MW-65
Delta Environmental Consultants, Inc. Sample Mode Competition Static Static Water Level Well Competition Static Water Level Water Certain Static Water Level Water Certain Static Water Certain Static Water Level Water Certain Static Certain Certa	_	• 4				ier					·
Consultants, Inc. Cons	\square	lta									Location Map
Environmental Consultants, Inc. CASINS TYPE: PVC CASINS STICKUP: 20' CASINS STICKUP: 20'		ILA									
Static S											See Figure 2
North Static Static Water Level Page Static											Gee riguie 2
North-Indicate Static Water Level Wa	Consulta	nts, Inc.									
Well Congretation Static Water Level Physical Water Level Air-knifed/vac-cleared to 5' Water Level Air-knifed/vac-cleared to 5' Air-knifed/vac-cleared to 5' Water Level Air-knifed/vac-cle				ELEVATIO	N		NORT	HING		EASTING	
Moist O The state of the stat							2316	97.1		1269624 <u>.</u> 9	
Moist O I O O O O O O O O O O O	Well Completion	Statio	e ±	ling	io (et)	Sai	mple	e e		
Moist O The state of the stat	<u>=</u> □		stur	eac om)	trati vs/6	(fe			Tyk	LITH	OLOGY / DESCRIPTION
Moist O The state of the stat	asin	1 2 2 2	Cog	D R (9)	ene blov	epth	000	terv	Soil	2	02001 / B2001111 11011
Air-knifed/vac-cleared to 5' Silty CLAY; green-gray, stiff, few rounded pebbles (As above) Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17	ഷ് ധ്	100		F	g =	ă	Re	드	0)		
Moist O I O O O O O O O O O O O	<u> </u>									Concrete (18")	
Moist O 1 3 5 CL Silty CLAY; green-gray, stiff, few rounded pebbles (As above) (As above) Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20') 10 (Wood plug put in bottom of auger to advance boring to 20')	<u>ا او</u>					1—	4	<u> </u>			
Moist O I O O O O O O O O O O O		-					+-	-		A : 1 : f 1/	-ll t- El
Moist O Silty CLAY; green-gray, stiff, few rounded pebbles (As above) Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20')	# -					2—	+	-	-	AIr-Knifed/vac-	cieared to 5
Moist O Silty CLAY; green-gray, stiff, few rounded pebbles (As above) Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20')	60 -					.	+		1		
Moist O O S O O O O O O O O O O						3 —	+		1		
Moist O S O O O O O O O O O O O		1				•	+	\vdash	1		
Moist O S O O O O O O O O O O O		1				4 —			1		
Moist O S O O O O O O O O O O O											
The state of the			Moist		2	5—			CL	Silty CLAY; green-gra	ay, stiff, few rounded pebbles
Wood debris (As above) Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20')				0		6—					
Wood debris (As above) Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17	- Ц -	_				l.					
Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17	-	-						_	ļ	(A)	
Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) 10 (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17	- Н -	-		0					ŀ	(As above)	
Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17	H-	-			6	8—			-		
Wood Wood debris (Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17	- H	-					+		ł		
(Auger drilling at an angle due to wood debris, unable to sample) (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17	-H-	1				9—	+		Wood	Wood debris	
unable to sample) 11 (Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17									1		at an angle due to wood debris,
(Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17						10—			1		
(Wood plug put in bottom of auger to advance boring to 20') 13 14 15 16 17						11_					
boring to 20') 13 14 15 16 17	2					'' -					
boring to 20') 13 14 15 16 17	& □_	1				12—					t in bottom of auger to advance
14————————————————————————————————————										boring to 20')	
15————————————————————————————————————	<u> </u>	-				13 —	+	<u> </u>			
15————————————————————————————————————	- Н -	-				.	+		-		
	H-	-				14 —	+		1		
	<u> </u>	1					+	\vdash	1		
	H =	1				15 —	+		1		
	H -	1				10	+		1		
						16 -]		
						17_]		
		_				''					
	— Ц —	4				18 —	\perp				
	Щ -	-				.	4				
	H-	-				19—	+		1		
	Н -	-					+		-		
		-				20 —	+				
BOTTOM OF HOLE @ 20'	-	1					+		1	BOTTOM OF HOLF	@ 20'
21 BOTTOM OF HOLE @ 20		1				21 —	+		1		
	_	7				22	1		1		
					<u> </u>				<u> </u>		

	IDDO IDO	T.110	14/4055	0545.4	OLIF	NIT.	O a se a a Dia Illia a	Inophiowell No. May on
	PROJEC [*]		WA255-		CLIE		ConocoPhillips	BORING/WELL NO: MW-66
	LOGGED DRILLER		CDI	n/L. Brock		ATION: E DRILL	600 Westlake Ave N, Seatt .ED: 10/11/2005	· · · · · · · · · · · · · · · · · · ·
Delta	DRILLING	:: 3 METHOD:				E DIAMI		Location Map
Della	DRILLING	IG METHOD:				E DEPT		
								Soo Figure 2
Environmental	CASING		PVC 0.010"			.L DIAMI .L DEPT		See Figure 2
Consultants, Inc.	SLOT SIZ		0.010 2-12			ING STI		
		ELEVATIO		l N	IORTHING		EASTING	
		28.65			231609.1		1269623.0	
Well Completion			Ē (4)		
Statio	I ⊃ ⊕	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	Soil Type		
Water	oist	Readi (ppm)	netr ows	t t	over I'Va		LITH	OLOGY / DESCRIPTION
Water Casing Cas	≥O	_ ⊖)	Per la	Dep	Recovery Interval	S		
		ш.		-			Concrete (18")	
				-		-	Concrete (10)	
				1 —		1		
Сопс				-		1	Air-knifed/vac-	cleared to 5'
9				2		1	7111 1(111104) 740 (sicured to o
						1		
				3 —				
				, -		1		
Bent Bent				4				
				5				
			2] 5—		SP	SAND; tan to medium	brown, medium to fine
		0	4	6		1		
			4	0—			(As above with	pea gravel)
			4	7 —			SAND; tan to light bro	own, medium, with pea gravel
		0	7	'				
			7	8 —				
			9	l			SAND; brown, mediur	m, with pea gravel
		0	9	9				
— — —			12	_				k brown, less gravel, with clay)
			10	10 —			SAND; brown, mediui	m to fine, with wood fragments
\vdash \vdash \vdash \vdash		0	12	_				
$HHH \rightarrow$	147-4		18	11		1	CAND diam. to fin	
	Wet	0	27 10	-		1	SAND; medium to fine	e, with increasing siit
			10	12		ł		
	Moist		10 4	-		CL	Silty CLAV: 109/ cond	d, medium to fine, moist
	IVIOISI	0	9	13 —		- CL	Silly CLAT, 10 /6 Sand	a, medium to line, moist
SAND			11	-		ł		
⋄ ⊢ −			2	14		ı	(As above)	
		0	6	-		1	(710 00000)	
		<u> </u>	7	15 —		i		
			I.	-		1/	(As above, san	nd increasing to 20%)
	Moist	0		16 —		Wood	Wood fragments	
						آ/را	<u> </u>	
				17 —		CL	Silty CLAY; medium b	prown, with wood fragments
		0		10		1		k brown, with increasing wood)
				18 —			(As above, gra	des to light gray, fine sand)
	Wet		19	19 —		SP	SAND; gray, medium	
		0	20	19				
			27	20 —				
]	(Continued dril	ling to 22', sampling terminated at 20')
				21 —				
				-		1		
				22—				-
							BOTTOM OF HOLE	@ 22'

		PROJECT	NO:	WA255-3	3515-1		CLIE	NT:	ConocoPhillips		BORING/WELL NO: MW-67
		LOGGED	BY:	M. Smith	/L. Brock		LOCA	ATION:	600 Westlake Ave N, Seatt	tle, WA	PAGE 1 OF 1
	1 -	DRILLER:		CDI			DATE	EDRILL	ED: 10/12/2005	Location Map	
Del	12	DRILLING	METHOD:	HSA			HOLE	E DIAME	ETER: 8.5"		
	LCI	SAMPLING	G METHOD:	SS			HOLE	E DEPTI	H: 20'		
		CASING T		PVC				L DIAME			See Figure 2
Environm		SLOT SIZ		0.010"				L DEPTI			occ riguio 2
Consultan	ts, Inc.	GRAVEL I		2-12				NG STI			
			ELEVATIO			IORTH		110 311	EASTING	-	
		'	27.64	N		23165			1269625.6		
ell Completion			<u>D</u>	<u>-</u> -					1200020.0		
20.00	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		nple	Soil Type			
Backfill	Water	nistu onte	Ze?	etra) H	/ery	va	Ι.	LITH	OLOGY	/ DESCRIPTION
Backfill	Leve	≥ ∪		pen (plc	epi	Recovery	Interval	Soi			
			<u> </u>	п		凇	므				
					_	\vdash			Concrete (18")		
3					1						
					l –	\sqcup					
					2				Air-knifed/vac-	cleared to	<u>5'</u>
					l	igspace					
					3—	Ш					
						Ш					
					4 —						
					5						
		Moist		6	5			CL	CLAY; gray, stiff, bloc	ky, with si	ilt and fine sand
			0.5	6	6						
				6	6						
		Moist		6	_				(As above)		
			0.6	5	/ —				, ,		
				6	_						
				5	8				(As above)		
			0.5	5	_	П			,		
		Wet		7	9			SP	SAND; brown, with gr	avel. wet	
	∇			2	_				(As above, with		aments)
		Wet	0.5	5	10 —				(* 12 2.12 ; 111.1		<u> </u>
		'''	0.0	9	_	\Box					
				2	11			GP	GRAVEL; brown, wet		
H -			0.6	6	_			0.	Orbitale, promi, mod	·	
) H —			0.0	7	12			Wood	Wood fragments and	eawdust	
				l' 4	-			**000	TTOOG HAYINGING AND	Jawaasi	
H - H			8.0	1	13 ——						
-			0.0	4	-						
H - H				50/6"	14 ——				Sawdust, brown, unw	pathorod	
$H \dashv$			0.5	30/0	-				Cawaasi, DiOWII, UIIW	Cauleted	
H-H			0.5		15 ——						
H - H				50/6"	-				(An obove)		
H - H			16.0	30/0	16 —				(As above)		
H -			16.2		-						
H-H				40	17 ——				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
\square \vdash \vdash			<i>-</i> -	13	_				Wood fragments, poo	r recovery	1
$ \parallel$ $ \parallel$			5.9	6	18 ——	\vdash					
\Box \Box \Box				13	_				NA 1611		
 —				20	19——				Wood Chips		
$ \square$			2.4	22				SP	SAND; gray, fine to m	nedium	
				35	20						
						\sqcup					
					21 —	Ш			BOTTOM OF HOLE	@ 20'	
آ .					22 —						

			PROJECT	ΓNO:	WA255-3	3515-1	(CLIEN	IT:	ConocoPhillips	BORING/WELL NO: MW-68
			LOGGED	BY:	M. Smith	n/L. Brock	L	LOCA	TION:	600 Westlake Ave N, Seatt	tle, WA PAGE 1 OF 1
		1_	DRILLER:	:	CDI		[DATE	DRILL	ED: 10/11/2005	Location Map
		ta		METHOD:			H	HOLE	DIAME	ETER: 8.5"	
			SAMPLIN	G METHOD:	: SS				DEPTI		
Fnvi	ronm	ental	CASING 7	TYPE:	PVC		٧	WELL	DIAME	ETER: 2"	See Figure 2
		s, Inc.	SLOT SIZ		0.010"				DEPTI		
001130	antam	.5, 1110.	GRAVEL		2-12	T			NG STI	CKUP: 0	
				ELEVATIO	N		ORTH			EASTING	
70.2077				29.23	Ι_		231536 I	6.4 		1269584.8	
Well Comp	letion.	Static	ır e	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sam		Soil Type		
E E	11	Water	Moisture Content	Зеа орт	etra ws,	t) (1	Recovery	nterva	_	LITH	OLOGY / DESCRIPTION
Backfill		Level	_{စို} ပိ) (n	ene (blo	ept	006	ter	Soi		
				Ъ	ш -		2	드		0 ((4011)	
Солс	-					_	\vdash			Concrete (18")	
3	-					1	\vdash	\dashv			
	-					_	\vdash	\dashv		Air-knifed/vac-	cleared to 5'
##						2	\vdash	\dashv		All-Killieu/vac-C	
Bent.	-						\vdash	\dashv			
						3					
	_						\Box				
						4					
						_		\neg	/		
					4] 5			SC	SAND; gray, fine, with	n clay
				1.0	4	6					
	ᆜ				7		ш				
					6	7	Ш			(As above, with	n rocks)
	\dashv			1.2	7	_					
-	\dashv				9	8	ш		0.0	OAND C	
	\dashv		Moist	4.0	17	_	Н		SP	SAND; gray, fine	
-	\dashv			1.8	19 9	9	\vdash		Mood	Wood fragments	
	-				5	_	Н			SAND; gray, with clay	, and eilt
		∇		1.2	6	10 ——			3F-3IVI	SAND, gray, with clay	y and siit
-	-		Wet	1.2	6	_			SP	SAND: dark gray to b	rown fine
			""		50/6"	11			0.	or in to, daint gray to b	iomi, inio
SAND			Sat	0.6		_	П			(As above, satu	urated)
A I						12				,	,
"					7	13				(Grades gray w	vith large wood fragments)
				17.1	14						
					23	14					
	\dashv				70/3"						
Н	\dashv			21.9		15 ——	\square	\ 	Wood	Wood fragments	
Щ	\dashv					_	$\sqcup \!\!\! \perp$				
	\dashv			05.0		16 ——				/ A L- \	
-	\dashv			65.8	37	_				(As above)	
	\dashv				50/4"	17	\vdash				
\blacksquare	\dashv			3.6	9	_			SP	SAND; brown, fine, w	ith wood fragments
H	\dashv			3.0	12	18 ——			OF.	SAND, DIOWII, IIIIE, W	iii wood nagments
\mathbf{H}	\dashv				12	_					
-	\dashv			1.0	17	19 ——				(As above with	n wood fragments)
	\dashv			1.0	20					SAND; gray, fine	
\Box	\dashv				23	20 —					
	\dashv										
	\dashv					21 —	\vdash	\neg		BOTTOM OF HOLE	@ 20.5'
	\dashv						\Box	\neg		,	
						22 —		\neg			

		Inno Ino	T.N.O.	14/4055	0545.4		01151		O		In a pina well was a new co
		PROJECT LOGGED		WA255- B. Pletcl			CLIE	NT: ATION:	ConocoPhillips 600 Westlake Ave N, Seatt	le WA	BORING/WELL NO: MW-69 PAGE 1 OF 1
		DRILLER		CDI	ICI			TION: DRILLEI	·	Location Map	ILVE I OLI
De	ltっ		B METHOD:					DRILLEI E DIAMET		Location wap	
	ILA		IG METHOD:					E DEPTH:			
		CASING -		PVC				DEPTH:			See Figure 2
Environr		SLOT SIZ		0.010"				_ DIAME I _ DEPTH:			OGG Figure Z
Consultar	nts, Inc.	GRAVEL		2-12				NG STIC			
			ELEVATIO			NORT			EASTING		
			27.67			2317			1269585.8		
Well Completion	TOTAL STREET	0	PID Reading (ppm)	۲ <u>-</u>	et)	901	mple	(I)			
- 5	Static	ture	adi m)	ratic s/6'	(fe		-	, y		01.007/	DECODIDATION
Backfill	Water	Moisture Content	Re (ppi	Penetration (blows/6")	Depth (feet)	over	nterva	Soil Type	LITH	ULUGY /	DESCRIPTION
Backfill	Level	≥ O		Pel (bl	De	Recovery	Inte	ŏ			
				1		+ "	Π		Concrete (~18")		
Conne	1					+	T	1			
	1				1 –		1	1			
# -	1				_	+		1	Air-knifed/vac-	cleared to 5	5'
Bent Bent	1				2-	\top	1	1			
	1				_	\top	t	1			
					3 —	\top		1			
	1				4			1			
					4-		L]			
					5 —						
]	Moist		3	5-			CL	Silty CLAY; green-gra	ıy, few pebl	bles, some rounded
	1		1.5	2	6-				gravel, stiff		
	1			3	-						
L	1			3	7_						
	1		1.3	3					(As above)		
	1	Moist		3	8-						
	-			3		4					
	-	1	1.4	2	9 —	_		l	(As above)		
		Moist		2		+					
	∇	14/54	4.0	1	1 10 —	+		-	/A = = b - · · · · \		
H = H = H	-	Wet	4.3	1		+		-	(As above)		
a H —	-			2	11—	-		SM	Cilty CAND, and an arr	21/ 000=00 1	to fine cand with
SAND	-	Sat	2.5	[]		+		SIVI	Silty SAND; green-gra	ay, coarse t	to fine Sariu, Willi
Ø	1	Jai	2.0	[]	12 —	+		1	round pennies		
	1			' ₁		+		1			
	1		1.3			+		SP	Gravelly SAND: grav	well-grade	d angular sands, with silt,
	1	Sat	1.0	3		+			with rounded 1/4"-1"		a angular sanus, Willi sill,
	1	501		l ₂ $^{"}$	14 —	+		1		J. G. V. O.I	
	1		1.2	l ₁		+		1			
	1			2	15 —	+		1			
	1	Sat		_ 2	1	+		1			
	1		1.5	2	16 —			1			
	1			3		\top		1	(As above, with	less grave	el, more silt)
	1			3	17 —	\top		1	(As above, with		
]	Sat	2.2	3	40	\top		1	, ,		•
]			3	18 —	1		1			
				1]			
			1.3	2 2	19-			L			
]	Sat		2	20—			Wood	Wood chips		
]				20 -	╧					
]				21 —]	BOTTOM OF HOLE	@ 20'	
	_				-]			
					22 —]			
	_		_	_	-		_	_		_	

		PROJECT	NO:	WA255-3	3515-1	CLI	ENT:	ConocoPhillips	BORING/WELL NO: MW-70
		LOGGED	BY:	B. Pletch	ner	LO	CATION:	600 Westlake Ave N, Seat	tle, WA PAGE 1 OF 1
	1_	DRILLER:		CDI		DA	TE DRILLE	D: 10/11/2005	Location Map
Del	\mathbf{I}	DRILLING	METHOD:	HSA		НО	LE DIAME	TER: 8.5"	
	LU		G METHOD:				LE DEPTH		
	, <u>-</u>	CASING T		PVC			LL DIAME		See Figure 2
Environm		SLOT SIZI		0.010"			LL DEPTH		25554.6 2
Consultant	s, Inc.	GRAVEL F		2-12			SING STIC		
			ELEVATIO		N	ORTHIN		EASTING	1
			31 14			231395.4		1269300.3	
Well Completion				E _	£	Sampl	0 0		
2.4	Static	ture	adii n)	atic s/6"	(fee		ype		
kfill sing	Water	Moisture Content	Re	netr ow:	Ę.	ver	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Level	ا کا کا	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery	လိ		
	_		Щ	+		<u> </u>	+	Asphalt/Concrete (18	"\
16,0					-	\vdash	\dashv	Aspirati/Concrete (18	¹)
					1	$\vdash \vdash$	\dashv		
					-	$\vdash \vdash$	\dashv	Air-knifed/vac-	alcored to 5'
Bent.					2 —		-	All-Killied/vac-	Greated to 5
00 —					-	\vdash	\dashv	(C:14, c and £:11	light brown with round asklast
					3 —	$\vdash \vdash$	\dashv	(Silly sand fill,	light brown, with round cobbles)
					-	$\vdash \vdash$	\dashv		
		14-1-4			4 ——	$\vdash\vdash$	\dashv		
		Moist			-		\dashv		
],	5 ——			CANID	
\square \square \square			44 =	4			SP	SAND; greenish gray	, fine to very fine, angular, trace sil
— —		Moist	11.7	6	6 —				
\square				9	_				
<u> </u>		1	4 = -	4	7 —			(As above, few	v round 1" gravel)
\square		Moist	10.1	6					
Щ —				5	8				
				3				(As above, gra	ides to light brown)
		Moist	30.8	2	9 —				
$ \square$				2	´ _				
				1	10 —		Wood	Wood debris, with co	arse sand
		Wet	625	2	_				
				2	11 —				
SAND				3	l '' _			Wood debris	
S L		Wet	684	2	12 —				
				2					
				3	13 —		ML	Clayey SILT; green	
		Moist	179	3	13				
				3	14		Wood	Wood debris	
				1	14				
		Damp	10.4	2	15				
		'		3	15 ——				
				1				1	
		Sat	21.2	2	16 ——		SM	Silty SAND; grav. me	dium to fine, angular, with
			_	2				wood debris	, J ,
\square				5	17 ——				
\Box		Sat	39.3	4					
H - H		541	55.0	3	18 ——				
H				3	_				
		Sat	20.7	1	19 ——		SP	SAND: medium to fin	e, trace silt, wood debris
\vdash		Jal	۷.1	3	-		J 3F	COLVE, ILIEGIAIII IO IIII	o, irade siit, wood deblis
				3	20		-	+	
\dashv					-		_	BOTTOM OF HOLE	@ 20'
					21 ——		_	BOTTOM OF HOLE	<u>w</u> 20
		1 1		1	l		_		
\dashv									

F		PROJEC1	L NO.	WA255-	3515_1	CLIE	NT.	ConocoPhillips	BORING/WELL NO: MW-71
		LOGGED			n/L. Brock			600 Westlake Ave N, Seatt	
l <u> </u>		DRILLER:		CDI	I/L. DIOCK		E DRILL	•	r '
	t •		: B METHOD:						Location Map
Del	la						E DIAMI		
			G METHOD:				E DEPT		0 5
Environm	ental	CASING 7		PVC			L DIAMI		See Figure 2
Consultant	ts. Inc.	SLOT SIZ		0.010"			L DEPT		
	,	GRAVEL		2-12			ING STI		
			ELEVATIO	N		IORTHING	;	EASTING	
			30.42	1		231418.9 I	1	1269362.6	
Well Completion	Static	e t	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	ge .		
<u> </u>	Water	Moisture Content	eac	traf vs/	<u>(</u>	er /	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Level	Soi	Я С (р	ene olo	fd	Recovery Interval	io		
m ပိ		_	PII	g =	ă	Re Int	0,		
<u> </u>								Asphalt/Concrete (~1	2")
- Colle					1				
					'				
#					2			Air-knifed/vac-	cleared to 5'
Bent									
							1		
					3				
							1		
					4		1		
							1//		
				4	5		SP	SAND; gray, fine to m	nedium
			2.8	8			1	, , ,	
				18	6		1		
\Box				14	l		1		
			3.4	14	/		1		
				14			1	(As above with	some clav)
\square		Moist		14	8		1	,	,
			3.8	16			1	SAND; gray, fine to m	nedium
				16	9		1	, , , ,	
				12	_		1	SAND; gray to brown	, fine, some greenish clay
			3.2	14	10		1	, , ,	
		Wet		16			1		
9 🗆	∇			14	11		1	SAND; gray, fine to m	nedium
SAND	_		42.7	20	_		1	, , , , ,	
				26	12		1		
		Wet		32			Wood	Wood fragments, coa	arse
- H $ I$				12	13 —		1	12.33, 300	
				12	_		1		
				12	14		1	(As above, with	h sawdust)
			102.1	14	—		1	(* := 5.55.5) *******	··/
				18	15 —		1		
H = H				10			1	Wood fragments, coa	arse
H = H			15.4	10			1		··
\square			,	21			1		
-				60/5"	17 ——		1	(As above)	
\square \square \square			11.9				1	(, 10 00000)	
H = H			7.10		18		1		
\square \square \square				5	-		1		
H = H				6	19 —		1		
\vdash \vdash \vdash				9			ı		
				"	20				
					-	 	-	BOTTOM OF HOLE	<u>ത</u> 20'
					21 —	 	-	DOTTOM OF HOLE	<u> </u>
					-	 	1		
					22 —	$\vdash\vdash$	-		

		PROJECT	NO:	WA255-3	3515-1	CI	_IENT:	ConocoPhillips	BORING/WELL NO: MW-72
		LOGGED	BY:	B. Pletch	ner	LC	OCATION:	600 Westlake Ave N, Seat	ttle, WA PAGE 1 OF 1
	4_	DRILLER:		CDI		D	ATE DRILL	ED: 10/12/2005	Location Map
Del	12	DRILLING	METHOD:	HSA		Н	OLE DIAMI	ETER: 8.5"	
		SAMPLIN	G METHOD:	SS		Н	OLE DEPT	H: 20'	
Environme	ental	CASING T	YPE:	PVC		W	ELL DIAMI	ETER: 2"	See Figure 2
Consultants		SLOT SIZ	E:	0.010"		W	ELL DEPT	H: 20'	
Jonisultanti	o, 1110.	GRAVEL I		2-12			ASING STI		
		E	ELEVATIO	N		IORTHII		EASTING	
T		 	PID Reading (ppm) (ppm)	1		231417. I	<u>/</u>	1269418.6	L
Packfill Casing Casing	Completion Static Water Level Woistname Content Conten			Penetration (blows/6")	Depth (feet)	Samp	Soil Type	LITH	IOLOGY / DESCRIPTION
				╫	Н —	<u>~ </u>		Asphalt/Concrete (12	D"\
- J					_	\vdash	\dashv	Asphali/Concrete (12	2)
					1	\vdash	-		
					_	 		Air-knifed/vac-	-cleared to 5'
Bent.					2	\vdash	\dashv	All-Milleu/vac-	Sisterior to 0
					_	 	\dashv		
					3 —	\vdash	\dashv		
					, -	\vdash	_		
					4		\neg		
					_		\neg	1	
		Moist		5	o—		SM	Silty SAND; light brow	wn and gray, medium to fine,
			2.2	4	6			angular	
				4					
				4	7				
			2.4	4	\				
				4	8			(As above)	
				5					
			3.7	4	9 —				
Н Н				6	-			(As above)	
	\triangle	,,,	6 1	3	10 —				
		Wet	2.1	4	_			(As above, gra	ades gray)
		_ ,		5	11			Oile OAND	
SAND		Sat	4.0	3	_			SIITY SAND; gray, me	edium to fine, angular
S			1.8	5	12				
		_ ,		5	_				
-		Sat	0.5	2 3	13 ——				
$H \rightarrow$			3.5	3	_		10/	d Wood china	
\square		Sat			14		- VVOO	Wood chips	
H = H		Sal	1.4	3	_				
$H \rightarrow H$			1.4	3	15 ——				
\Box		Sat		2	_				
H = H		Jai	1.2	4	16 ——			Wood chips, poor red	covery
H			1.4	3	_			TYOUG OINPS, POOI TEC	50 v Oi y
		Sat		3	17 ——				
			1.6	2				Wood	
				2	18 ——				
H		Sat		1	-				
			0.7	2	19 ——			Wood debris, gray, s	iltv
				2 2 3	-		PT	PEAT	,
					20—				
\dashv					24	\vdash	\dashv	BOTTOM OF HOLE	@ 20'
\neg					21 —	\vdash			
ヿ					-				
		1			22 —	-	_		

	PROJEC	T NO:	WA255-	3515-1	CL	IENT:	ConocoPhillips	BORING/WELL NO: MW-73
	LOGGED	BY:		n/L. Brock	LO	CATION:	600 Westlake Ave N, Seat	tle, WA PAGE 1 OF 1
	DRILLER		CDI			TE DRIL		Location Map
Delta	DRILLING	G METHOD:				LE DIAM		
	SAMPLIN	NG METHOD	: SS		НО	LE DEP	TH: 20'	
Environmental	CASING		PVC			ELL DIAN		See Figure 2
Consultants, Inc	SLOT SIZ		0.010"			LL DEP		
oonounanio, ini	GRAVEL		2-12			SING ST		
		ELEVATIO 20 11	N		ORTHIN		EASTING 1269478.3	
Well Completion		30.11 ල	T c	i i	31415.5		1203410.3	<u> </u>
Stat	I ⊃ a\	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample			
∭ B Wate	onte	Re	etra	Ť.	ver)		LITH	OLOGY / DESCRIPTION
Wate Casing Mate		[유)	Per (b)	Dep	Recovery	ြိ		
		-			" 	·	Asphalt/Concrete (12	")
5				▎╷╅		╡	riophials control (12	
				1		7		
Bent				2			Air-knifed/vac-	cleared to 5'
80								
				3—				
				4 —		_		
				l +	-	ر ⊢		
			2	5		SP	SAND: gray fine to m	nedium, with some rocks
\blacksquare		7.3	3 4	→		- SF	SAND, gray, line to h	ledium, with some rocks
H = H		'.5	6	6				
			4	I . T			(As above)	
		3.4	4	7—			(* *** *** * * * * * * * * * * * * * *	
			8	8 7				
			6				(No recovery)	
<u> </u>			8	9				
$H + \nabla$			8 _		_		0.4110	C
	Wet	495	7	10 —			SAND; gray to black,	tine
H = H		495	6 7	→				
⊢⊢ e			5	11			SAND; gray, fine, with	h nehhles
SAND		15.9	9	l 🕇	_		Crate, gray, into, wa	T possios
			12	12-		Wood	Wood fragments	
			26	1,0				
			12					
			13	14				
	Sat		4	'			(As above, sat	urated)
			8	15—				
			8	4			/	
\square \square \square	Sat	0.7	2	16			(As above)	
		3.7	3 6					
H = H	Sat		9	17 —			Wood fragments, bro	wn
H	Jai	1.3	13	-			vvood nagments, bro	VVII
		'.5	16	18		SP	SAND; gray, fine	
\vdash			10				Wood fragments, bro	wn
		1.8	10				-	
			12	20		SP	SAND; gray, fine	
	1	1		20				
				21			BOTTOM OF HOLE	@ 20'
				21			BOTTOM OF HOLE	@ 20'

				25.45.4			O DI III	I
	PROJEC*		WA255-3			JENT:	ConocoPhillips	BORING/WELL NO: MW-74
l <u> </u>	LOGGED		B. Pletch	ier		CATION:	600 Westlake Ave N, Seat	<u>'</u>
Delta	DRILLER		CDI			ATE DRILLE		Location Map
I DEILA	DRILLING	G METHOD:				DLE DIAME		
	SAMPLIN	IG METHOD:				DLE DEPTH		0 5
Environmental	CASING		PVC			ELL DIAME		See Figure 2
Consultants, Inc.	SLOT SIZ		0.010"			ELL DEPTH		
,	GRAVEL		2-12			ASING STIC		4
		ELEVATIO	N		IORTHII		EASTING 1269577.3	
. was every		30.35	_		231388. T	<u> </u>	1209577.3	
Well Completion Statio	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Samp	le <u>e</u>		
	r str	Sea ppm	etra ws/	h (f	Recovery	Soil Type	LITH	OLOGY / DESCRIPTION
Water Casing Level	🔓 ပိ	D 9	ene	ebt	SO .	Soil Ty		
m O		₫.	₾)		R ₋	= "		
Conn				_		_		
<u> </u>				1 —		_		
				_		_		
Beent:				2		_	Air-knifed/vac-	cleared to 5'
60				_		_		
				3		_		
				_		_		
				4		_		
				_		⊣ .		
- $ -$				5	\perp			
—	Moist		3	_		SP	SAND; light brown, m	nedium to fine, trace silt, angular
— — — —		1.3	4	6				
$ \mu$ μ			4_	_				
			5				(As above)	
		1.0	6					
— — —			8	8			(4)	
			6	l –			(As above)	
		1.5	5	9 —				
			\ \	_				
	14/-4	0.4	3					
	Wet	2.4	3				/A = = l= = = = = = = = = = = = = = = = =	d = 4 =
			2	11			(As above, gra	ides to gray)
SAND		572	2	-				
Ø ⊢ —	0-4	372	1	12			/A = = - = >	
	Sat		2	_			(As above)	
 — — —		40.4	4	13		10/22	1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-1
\blacksquare \blacksquare \blacksquare	Wet	13.1	3 2	-		- vvood	Wood debris/wood ch	ıιμε
	wet		_	14				
\Box		4.4	2	-			Wood chips	
	Wet	4.4	₁	15 ——			vvoou criips	
\blacksquare	, vve		ر ا	-				
		3.4	2	16 ——				
\blacksquare	Wet	3.4		-		PT	PEAT	
	, vve		2	17 ——			LAI	
		3.6	2 3	-				
	Sat	3.0	4	18		SP	SAND: groonish grov	y, fine to very fine, angular, saturated
\Box	Sai		1	-		ا ا	GAND, greenish-gray	, mie to very mie, angular, saturated
		2.1	2 2	19		PT	PEAT	
\blacksquare		Z. I	2	-		SP	SAND	
			2	20		OH		atiff with trace argenies
\dashv				-			CLAT, gray, plastic, s	stiff, with trace organics
				21 ——		\dashv	BOTTOM OF HOLE	@ 20'
-				-	\vdash	\dashv	BOTTOM OF HOLE	<u>w</u> 20
				22 —	\vdash	\dashv		

	1.		- 110	14/4055	2545.4				O DUTE	
		PROJECT LOGGED		WA255-3 B. Pletch			CLIEN	NI: .TION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: MW-75 lle, WA PAGE 1 OF 1
		DRILLER:		CDI	ici			DRILLE		Location Map
Delta	2		METHOD:					DIAMET		Location Map
	a		G METHOD:					DEPTH:		
		CASING 1		PVC				DIAMET		See Figure 2
Environment	tai	SLOT SIZ		0.010"				DEPTH:		gga i igai e z
Consultants, lı	ınc. I	GRAVEL		2-12				NG STIC		
			ELEVATION	V		NORT	HING		EASTING	
-			28.11			2319	43.9		1269319.9	
Well Completion	tatio	e ±	PID Reading (ppm)	Penetration (blows/6")	et)	Sai	mple	96		
	tatic ater	Moisture Content	ead om)	trati vs/6	Depth (feet)			Soil Type	LITH	OLOGY / DESCRIPTION
V .=	evel	Mois	J R (PR	ene.	td.	Recovery	Interva	ioi		OLOGI / BLOOKII HOK
ഷ് ദ്	100	_	Ы	9 =	ă	Re	<u>=</u>	U)		
Com.					_				Grass	
- 5 					1 —	4				
					-	+-	<u> </u>			
Bent					2—	-			Air-knifed/vac-	cleared to 5'
60					-	+	_			
					3 —	+				
74					-	+	\vdash			
					4 —	+				
					-	+				
				3	5 —				(No recovery)	
\square				3	-	+		Fill	(110 1000 (01))	
				3	6				(Fill material: q	ravel and brick with gray silt and
		Moist		5					fine sand)	<u> </u>
			2.3	5						
				8	8—					
		Moist		4	Ŭ _				(As above)	
			1.6	2	9—					
□ 	∇	0-4		2	-			PT	PEAT	
		Sat	1.4	2 2	10			SM	Silty SAND; gray, fine	fow pobbles
			1.4	2	-			SIVI	Silly SAND, gray, line	s, lew pennies
		Sat		2	11 —					
SAND		Jui	1.2	1	-				(As above)	
				1	12 —				() 1.5 5.2.5 (o)	
		Sat		1						
			1.1	1	13 —				(As above)	
				1	- 14 —					
		Sat		1	'					
			1.0	1	15 —				(As above)	
				J ¹	_					
		Sat	4.4	2	16 —				//1	lang ailt mann ann 1
			1.1	1	-				(As above, with	n less silt, more sand)
		Sat		2	17 —					
		Jai		1	-				Silty SAND: gray coa	rse to fine angular sand, with
				2	18 —				rounded pebbles and	
		Sat			10					
				3 3 2	19 —					
				2	20—				(As above)	
					20-					
					21 —				BOTTOM OF HOLE	@ 20'
						\bot				
					22 —		\vdash			

Constitution			Inno Ino	E NO.	MAGEE	0545 4		OLIEN	IT.	CanacaDhillina		DODINGANGLI NO. MINI 70
Delta Delt										ConocoPhillips 600 Westlake Ave N. Seatt	le WA	BORING/WELL NO: MW-76
Consultants, Inc.	l – .	1.4				101				· 1		I AGE T OF T
Consultants, Inc.	ام(۱۱	t2									Location Map	
Consultants, Inc.		la										
Consultants, Inc. Cons												See Figure 2
Consultants, Inc. Cons												
New Completion Static Water Level Water Law Level Water Level Water Level Water Law Level Water Level Water Law Level Water Level	Consultan	τs, Inc.										
Static Water Level Level Water Level Level Level Water Level Lev				ELEVATIO	N		NORT	HING		EASTING		
Moist Substitute Substitu			 		1		2319	28.3		1269395.0		
Moist Substitute Substitu	Well Completion	Static	e ±	ding	ion (")	eet)	Sa	mple	e Se			
Moist Substitute Substitu	<u>≡</u> o	Mark and a second	stur	eac om)	trat vs/6) (fe	<u></u>	<u>8</u>	Ţ	LITH	OLOGY /	DESCRIPTION
Moist Substitute Substitu	ackl	13.759	Moi	D R G	ene plo	eptl	Š OS	terv	Soil		0_00.,	
Moist S.2				<u> </u>	₽ ~	Δ	Re	_=		-		
Air-knifed/vac-cleared to 5' SM Silty SAND; medium to fine, angular, with brick (As above) (As above) (As above) (As above, gray, less silt, wood debris) (As above, gray, less silt, wood debris) (Mostly wood) Sat 1.2 5 SAT 1.3 3 SAT 1.4 5 SAT SAT SAT SAT SAT SAT SAT SA	-						_			Grass		
Moist 5.2 1 1 6 SM Silty SAND; medium to fine, angular, with brick (As above) 1.3 2 7 (As above) 1.1 1 1 9 9 (As above, gray, less silt, wood debris) Sat 1.2 5 6 6 13 SAND; with brick and wood debris (Mostly wood) Sat 0.8 3 14 (As above, with less debris) Sat 1.2 5 6 6 SAND; with brick and wood debris (Mostly wood) Sat 1.2 5 6 SAND; gray, coarse to fine, with brick and wood fragments (As above, with less debris) Sat 1.2 5 16 Silty SAND; gray, coarse to fine, with brick and wood fragments (As above, with less debris) Sat 0.7 2 18 Silty SAND; coarse to fine, few pebbles, less debris (As above) (As above) (As above) Sand (As above) Silty SAND; coarse to fine, few pebbles, less debris (As above) Sat 0.8 Silty SAND; coarse to fine, few pebbles, less debris Sat 0.8 Sat 0.8 Sat 0.8 Sandy SILT; dry BOTTOM OF HOLE © 20'	<u> </u>					1 —		-				
Moist 5.2 1 1 6 SM Silty SAND; medium to fine, angular, with brick (As above) 1.3 2 7 (As above) 1.1 1 1 9 9 (As above, gray, less silt, wood debris) Sat 1.2 5 6 6 13 SAND; with brick and wood debris (Mostly wood) Sat 0.8 3 14 (As above, with less debris) Sat 1.2 5 6 6 SAND; with brick and wood debris (Mostly wood) Sat 1.2 5 6 SAND; gray, coarse to fine, with brick and wood fragments (As above, with less debris) Sat 1.2 5 16 Silty SAND; gray, coarse to fine, with brick and wood fragments (As above, with less debris) Sat 0.7 2 18 Silty SAND; coarse to fine, few pebbles, less debris (As above) (As above) (As above) Sand (As above) Silty SAND; coarse to fine, few pebbles, less debris (As above) Sat 0.8 Silty SAND; coarse to fine, few pebbles, less debris Sat 0.8 Sat 0.8 Sat 0.8 Sandy SILT; dry BOTTOM OF HOLE © 20'							+	 		۸: المانه المانه المانه	aloored to T	. !
Moist 5.2 1 1 6 SM Silty SAND; medium to fine, angular, with brick (As above) 1.3 2 7 (As above) 1.1 1 1 9 9 (As above, gray, less silt, wood debris) Sat 1.2 5 6 6 13 SAND; with brick and wood debris (Mostly wood) Sat 0.8 3 14 (As above, with less debris) Sat 1.2 5 6 6 SAND; with brick and wood debris (Mostly wood) Sat 1.2 5 6 SAND; gray, coarse to fine, with brick and wood fragments (As above, with less debris) Sat 1.2 5 16 Silty SAND; gray, coarse to fine, with brick and wood fragments (As above, with less debris) Sat 0.7 2 18 Silty SAND; coarse to fine, few pebbles, less debris (As above) (As above) (As above) Sand (As above) Silty SAND; coarse to fine, few pebbles, less debris (As above) Sat 0.8 Silty SAND; coarse to fine, few pebbles, less debris Sat 0.8 Sat 0.8 Sat 0.8 Sandy SILT; dry BOTTOM OF HOLE © 20'						2—	+	\vdash		All-Killieu/vac-0	Jeared to 5)
Moist 5.2 1 6 5 5 6 6 6 6 6 6 6	" -						+					
Moist 5.2 1						3 —	+					
Moist 5.2 1	111 7(2)					.	+	t				
Moist 5.2 1 6						4-						
Moist 5.2 1 6						5						
Wet 1.3 2 7			Moist		2	5-			SM	Silty SAND; medium t	o fine, ang	ular, with brick
Wet 1.3 1 2 7				5.2	1	6 —						
Wet	— 				1		\perp					
Wet			Wet	4.0	2	7 —		-		(As above)		
Wet 1.1	<u> </u>			1.3				-				
Net 1.0 1 1 1 1 1 1 1 1 1			Wot		1 2	8 —		\vdash		(As abovo)		
Wet 1.0 1 1 1 1 1 1 1 1 1			VVGL	1 1						(As above)		
Sat 1.0 1 1 1 1 1 1 1 1 1						9 —						
Sat 1.2 5 1.0 1 1 1 1		17.0	Wet		1	40						
Sat 1.2 Sat 1.2 Sat 1.2 Sat 1.2 Sat 1.0 Sat Sat Sat Sat Sat Sat Sat Sa				1.0	1	100				(As above, gray	y, less silt,	wood debris)
Sat		\vee			1	11_						
Sat	Z		Sat			' ' _						
Sat O.8 Sat O.8 Sat O.8 Sat O.7 Sat O.8 Sat O.7 Sat O.7 Sat O.8 Sat O.7 Sat O.8 Silty SAND; gray, coarse to fine, with brick and wood fragments (As above, with less debris) Silty SAND; coarse to fine, few pebbles, less debris (As above) Sat O.8 Sat O.8 Sat O.9 Sat	8 L			1.2		12-	_		SP		wood debr	ris
Sat 1.0 Sat Sat 1.0 Sat Sat Sat Sat Sat Sat Sat Sa					1 -				_	(Mostly wood)		
Sat 1.0 3 4 15	H -		Sat	0.0	6	13 —			CNA	Cilty CAND, areas as a	roo to fine	with briok and was d
Sat 1.0 3 4 15	H -			0.8	3				SIVI		ise to fine,	WILLI DLICK SUR MOOD
1.0 3 4 15 (As above, with less debris) Sat 1.2 5 4 5 16			Sat		$ _3$	14 —				паушень		
Sat 1.2 5 4 5 16 Silty SAND; coarse to fine, few pebbles, less debris 17 18 One of the period of the pebbles of the pebble	H -			1.0	3					(As above, with	ı less debri	s)
Sat O.7 Sat O.8 Dry 1.2 4 5 17 18 (As above) ML Sandy SILT; dry BOTTOM OF HOLE @ 20'					4	15 —				(- 1.5 5.2.5 1.5) 17111		ı
Sat O.7 Sat O.8 Dry 1.2 4 5 17 18 (As above) ML Sandy SILT; dry BOTTOM OF HOLE @ 20'			Sat									
Sat 0.7 2 18 18				1.2	4	10-				Silty SAND; coarse to	fine, few p	ebbles, less debris
Sat					5	17_						
Sat Dry 0.8 2 2 3 2	Ы Ц —		Sat		4	''	\perp					
Sat Dry Dry 0.8 2 2 3 2 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	<u> </u>			0.7		18 —						
Dry 0.8 3 2 ML Sandy SILT; dry BOTTOM OF HOLE @ 20'	— —		0-4		•					(A = ab)		
Dry 20 BOTTOM OF HOLE @ 20'	H -		Sat	0.0	2	19 —				(As above)		
Dry 20 BOTTOM OF HOLE @ 20'	-			0.8	3				MI	Sandy SII T: dny		
BOTTOM OF HOLE @ 20'			Dry			20 —			IVIL	Januy Siet, ary		
	_		2, y				+			BOTTOM OF HOLE	@ 20'	
						21 —		t		(<u> </u>	
	1					22	\top	İ				
					<u></u>						·	

		PROJECT		WA255-3			LIEN		ConocoPhillips	BORING/WELL NO: MW-77
		LOGGED		M. Smith/	L. Brock				600 Westlake Ave N, Seatt	
Del	ta	DRILLER:		CDI				DRILL		Location Map
DEI	la		METHOD:					DIAME		
			G METHOD					DEPT		
Environm	ental	CASING T		PVC				. DIAME		See Figure 2
Consultant		SLOT SIZ		0.010"				. DEPT		
	,	GRAVEL I		2-12				NG STI	CKUP: 0	
			ELEVATIO	NI		RTHI			EASTING	
Mell Consultation 1			26 <u>.</u> 53 ත	Τ -	1	1937			1269453.9	l
Well Completion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	υ.Ψ	Samp	ole	Soil Type		
ing fill	Water	ist inte	Res	etra ws.	<u> </u>	very	va	<u> </u>	LITH:	OLOGY / DESCRIPTION
Backfill	Leve	ഉ്്	ق ع	Pen (blc	deC	Recovery	nterval	Sol		
			<u> </u>	 " -		<u>~</u> -	=		Grass	
Conc.					+	+	\dashv		Grass	
					1 —	+	\dashv			
					+	+	\dashv		Air-knifed/vac-	cleared to 5'
Bent:					2—	+	\dashv		/ \\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	
						+	\dashv			
<i></i>					3—	\dashv	\dashv			
						+	\dashv			
					4	\dashv	\dashv			
					-	\top	\Box	/		
				12	5			SP	SAND; brown, fine to	medium
			0	18	6					
				15						
				12					(As above, with	n pebbles, some clay)
			0	12						
				12	8	_				
		Moist		2		_		SM	Silty SAND; brown, fir	
			0	3	9	_			(As above, gra	des gray)
				3	4	-		0.0	CAND	
		Moist	0	1 1	10	-		SP	SAND; gray, fine, son	ne ciay, moist
	∇		0		1 -	+				
		Wet		'	11-	-			(As above)	
SAND		7761	0		1 +	+				n medium sand)
S H —			O	3	12	-			(7 to above, with	Timediam sana)
		Wet		ا ₁	1 1	-			(As above)	
		'''	0	1 1	13	_			(/ 10 05070)	
				2	l 🕇	_				
				3	14-	_			(As above, incr	reasing clay, some wood fragmen
			0	3	15				,	
				4	15					
				1	16				(As above)	
			0	1						
$ \square$				1	17					
			_	3	¨				(As above)	
			0	6 6	18					
\square										
\square \square \square \square \square			_	6						
\square			0	6	-				/ A = -1-	- d
				'	20				(As above, san	nd more consolidated)
\dashv					+	+	\dashv		POTTOM OF HOLE	@ 20'
					21 —	+	\dashv		BOTTOM OF HOLE	<u>w</u> 20
					+	+	\dashv			
J					22					

		PROJEC1	ΓNO:	WA255	5-351	15-1		CLIE	NT:	ConocoPhillips		BORING/WELL NO: MW-78
		LOGGED	BY:	M. Smi	ith/L.	Brock				600 Westlake Ave N, Seatt	tle, WA	PAGE 1 OF 1
	14	DRILLER:		CDI					E DRILL		Location Map	•
De	lt2		METHOD:	HSA				HOLI	E DIAME	ETER: 8.5"		
	Ita		G METHOD:						E DEPT			
				PVC					L DIAME			See Figure 2
Environi	mental	CASING 1										See Figure 2
Consultai	nts, Inc.	SLOT SIZ		0.010"					L DEPT			
		GRAVEL		2-12			LODE		ING STI			
			ELEVATIO	NΝ			NORT			EASTING		
	1	+	26.45	ı	_		23193	35.1	ı	1269537.3		
Well Completion	Static	e +	PID Reading (ppm)	Penetration	<u> </u>	Depth (feet)	Sar	mple	g			
_ o	Water	Moisture Content	ead	traf	\S\) (fe	Σú	ā	Soil Type	LITH	OLOGY	/ DESCRIPTION
Backfill	Level	Sor	Я С (рі	l sign	<u> </u>	pt	Recovery	e.	<u>.</u>		02001	, begonin mon
င်း Ba	10.77	= 0	PIC	g 4	ے ا	Ö	Rec	nterva	ဟ			
9 1 1										Grass		
Conc	1								1			
	1					1 —			1			
4	1					_	T			Air-knifed/vac-	cleared to	5'
Be 1						2 —	+-	\vdash	1	, iii iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	0.00100 10	<u> </u>
-						_	+					
	-					3 —	+		1			
						_	+	-				
	-					4 —	+	-				
-	\dashv					_	+					
	-			_		5 —			25.00	CAND. Ealat amailta ta	fi	#
H -	-		0.0	5		_			SP-SC	SAND; light gray to ta	ın, iine, sii	ii, some ciay
- $ -$	-		0.0	5		6 —			l			
- H	-			6	اء	_				CAND P. L.	C 1	***
<u> </u>	-				5	7 —			SP-SM	SAND; light gray to ta	an, fine, so	me silt, some
H -	_		0.0		5	_			l	organic material		
— <u> </u>	_				5	8 —						
Ш _	_			9		_				(As above)		
	\Box	Wet	0.0	9		9 —						
<u> </u>				11		_						
					3	10 —				(As above)		
		Wet	0.0		3	_						
					3	11 —				(As above, gra	des to gra	y sand)
				1		11-			1	SAND; gray, fine, with	n silt	
SAND		Sat	0.0	2		10			1			
				2		12 —			1			
	1				3	40			1			
	1		0.0		6	13 —			1			
	1				6	-			1	(As above. gra	des dark d	gray to black sand)
	1			4		14 —			1			gray with some
H -	1		0.0	4					1	medium sand a		
H =	1		0.0	4		15 —			1	oa.a.m oana t	ролок	/
H -	1			ļ .	4	_			1	(As above)		
H =	1		0.0		6	16 —				(/ 10 00000)		
H -	1		0.0		13	_						
H -	+			$ _{A}$	10	17 —				(As above with	n some old	y and wood fragments)
H -	+		0.0	__		_				(∧ə abuve, Will	i some dia	iy ana wood nagmenis)
H -	-		0.0	3		18 —			l			
- H	-				40	_				/ A a ab a	2 nobbl1	
H-	-		0.0		10	19 —				(As above, with	ı peppies)	
Н -	4		0.0		14	_						
	4				16	20 —	1					
_	_					_						
	_					21 —				BOTTOM OF HOLE	@ 20'	
_	_					-						
						22 —						
		1		I								

		Inno Ino	T.N.O.	14/4055	2545.4		01.151	-	O a se a a Diaglica a	In a plus a wife to	10. 104.70
		PROJEC [*] LOGGED		WA255-3	3515-1 ı/L. Brock		CLIEN	NT: .TION:	ConocoPhillips 600 Westlake Ave N, Seat	BORING/WELL I le, WA PAGE 1 OF 1	
	4	DRILLER		CDI	ı, L. DIOCK			DRILLE	•	Location Map	
Delt	12		METHOD:					DIAMET		Location Map	
	la		IG METHOD:					DEPTH			
		CASING		PVC				DIAMET		See Figure	2
Environme		SLOT SIZ		0.010"				DEPTH			_
Consultants	s, Inc.	GRAVEL		2-12				NG STIC			
			ELEVATIO	V	1	NORT	HING		EASTING		
_			26.80			23194	42.0		1269585.5		
Well Completion	Static	о 	PID Reading (ppm)	Penetration (blows/6")	et)	Sar	mple	ē			
	Water	Moisture Content	eac om)	trati vs/6	Depth (feet)		-	Soil Type	LITH	OLOGY / DESCRIP	TION
V .=	Level	Co Voi	D R (9)	ene blov	eptt	Recovery	Interval	Soil		OLOGI / BLOGIKII	11011
m 0			Ы	g =	ă	Re-	프	0)			
- B						<u> </u>			Grass		
					1	1					
					_	+			A to 1 out 6 - 17	ala ana dika El	
Bent:					2—	+			Air-knifed/vac-	cleared to 5"	
60					_	+-	\vdash				
					3 —	+					
					_						
					4	+					
						+					
-				10	5 —			SP	SAND; fine to mediur	n. with Gravel	
			0.4	12	_				,		
				23	6						
				23	7				(As above, gra	des fine gravel)	
			0.4	26	l						
\square				22	8						
\square		Moist		17	_			SW	SAND and GRAVEL;	fine to medium sand	
+		Moist	0.3	19 26	9 —						
		Wet		23	_				(As above, sal	& nenner)	
		1	*	16	10 —				(13 above, 3ai	а реррегу	
		Wet		18	- I						
SAND		Sat		17	11				(As above, sat	urated)	
X D				30	12 —					,	
				32	12—						
				72/6"	13 —				(As above)		
					_						
					14						
				65/6"	_				0.4115 1.0541/51	c .	
-					15 —	-			SAND and GRAVEL;	fine gravel	
\Box \Box \Box				37	_				(Ac above inc	ragging clay)	
H - H				50/6"	16 —				(As above, inc	easing day)	
H = H				30/0	-			sc	Clayey SAND with G	avel	
				9	17 ——				Sidy Sy Sy Will O	<u> </u>	
				30	10						
				26	18 —						
					19 —				(As above)		-
					20—						
\dashv					_	1	Ш		DOTTOM OF HOLE	≈ 201	
<u> </u>					21 —	+	\vdash		BOTTOM OF HOLE	@ 2 U	
, ⊢					_	+			*PID malfunctioned 1	0' to 20'	
					22 —	+			רוט manufictioned 1	0 10 20	

_		I		14/4 055 /	2545.4				O DUTE	In a review review and a review and a review and a review review and a
		PROJECT		WA255-3			CLIEN		ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: MW-80 le, WA PAGE 1 OF 1
Ι	_	LOGGED DRILLER		CDI	iei			TION:	,	·
Del	ta		METHOD:					DRILLE DIAMET		Location Map
	la									
			IG METHOD:					DEPTH:		Soo Figure 2
Environm	ental	CASING T		PVC 0.010"				. DIAMET		See Figure 2
Consultant	ts, Inc.	SLOT SIZ GRAVEL		2-12				. DEPTH: NG STICI		
			ELEVATIO		I	NORT			EASTING	
			26.34	•		2320			1269583.8	
Well Completion			рг	<u>د</u>	£			4)		
4. 4	Static	Moisture Content	adii n)	atic s/6"	Depth (feet)		mple	Soil Type		
ing kfill	Water	oist	Re	letr ows	듩	ver	Na	<u>=</u>	LITH	OLOGY / DESCRIPTION
Backfill	Level	≥o	PID Reading (ppm)	Penetration (blows/6")	Det 1	Recovery	Interval	Š		
						+ "			Grass	
- Com.					l . '				0.000	
					1—	\top	i –			
					_ `	\top	1		Air-knifed/vac-	cleared to 5'
Bent					2—	\top	1			
					3—	1	Ĺ			
					4					
					-					
— 					5—					
\square				1				SM		0% silt, coarse sand, with
		Moist	1.1	2	6—				brick and gravel	
$\vdash \vdash \vdash \vdash \vdash$				2			₩			
<u> </u>	abla	147.	4.0	1 1	7 —		-			
\square \square \square		Wet	4.8	1	,		-		/A = = b = v = = = = =	des amout
\blacksquare				_ 1	8 —		-		(As above, gra	des gray)
\square \square \square			2.5	5 6					(As above, with	a loss silt)
-		Sat	2.0	3	9 —	_			(As above, with	1 1622 2111)
		Jai		ľ ,					Silty SAND, gray-blad	ck, 15-20% silt, coarse to fine sand,
			1.0	1	10 —				with brick and wood d	
		Sat		l i	١					
SAND				1	11 —					
NA I			1.2	3	10					
"				5	12 —					
		Moist		7	13 —			ML	Clayey SILT; green-g	ray, with trace fine sand, stiff, damp
			0.4	6						
				4	14—					
		Sat		2	'			GP/SW	Gravelly SAND; black	a-gray, coarse to medium sand
			0.5	1	15 —					
				 1		\bot			0.11.	000/ 11/
		Sat			16 —			SM		ay, 20% silt, coarse to fine sand,
\square \square \square			1.5	1					few 1/2"-1" gravels	
\square				1	17 —					
\square \square \square			2.5	3						
H - H			∠.5	3 2	18 —					
H = H					,					
\square \vdash \vdash		Sat	0.3	'	19 —				(As above)	
H = H		Jai	0.3	2	'				(V9 angre)	
				'	20—					
						+	t		BOTTOM OF HOLE	@ 20'
					21 —	+	t			
					22	\top	l			
					22 —	\top				
					•		1			

		PROJEC	T NO:	WA255-3	2515 1		CLIEN	IT.	ConocoPhillips	BORING/WELL NO: MW-81
		LOGGED		B. Pletch			CLIEN	NI: .TION:	600 Westlake Ave N, Seatt	
		DRILLER		CDI	ici			DRILLE	·	Location Map
Del	lta		B METHOD:					DIAMET		Location map
	la		IG METHOD:					DEPTH:		
		CASING -		PVC						See Figure 2
Environm	nental			0.010"				. DIAMET		
Consultan	ts, Inc.	SLOT SIZ GRAVEL		2-12				. DEPTH: NG STICI		
			ELEVATIO		I	NORT		10 3110	EASTING	
			26.21	•		2320			1269588.3	
Well Completion	100			<u> </u>	-			a :		
	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	Soil Type		
in di	Water	ont	Re	etra	ŧ	ver	va	<u>⊨</u>	LITH	OLOGY / DESCRIPTION
Backfill	Level	ĕŏ	آ آ	Per (blc	de C	Recovery	Interva	So		
			ш	-		<u> </u>	Ι		Grass	
Comc					-				Glass	
					1 —	+				
					-	+	 		Air-knifed/vac-o	cleared to 5'
Bent:					2 —	+	 		All-Killieu/vac-c	Sleared to 5
					-	+	\vdash			
					3 —	+	1			
					-	+	1			
					4 —	+	 			
					-	+	 			
					5—			SW	CAND: brown cocres	to fine angular trace pobbles
H -		14-:-4	4.0	2	-		-	200		to fine, angular, trace pebbles,
— H —		Moist	1.0	3	6 —		-		with wood debris	
<u> </u>				3	-		-			
H		14/24	0.0	1	· / —		-		/A = = h = + = = = = = = = = = = = = = = =	d = = ==== · · · ·
- $ -$		Wet	0.2	2	-		-		(As above, grad	des gray)
<u> </u>				1	8 —		-			
<u> </u>			4.0	1	-		-	N 41	OLOU T	41-1-1-1-1-4:00
- $ -$		14-1-4	1.0	2	9 —		-	ML	Clayey SILT; gray, wi	IN Drick, Stiπ
<u> </u>		Moist		Γ ,	-		-			
-			4.0		10 —		-			
- 4-5-			1.0		-		-			
				2	11 —		-		CII Ti mani anana ta	fine with may also help and
SAND			0.9	2	-					fine, with gravel, pebbles and
\$ H —	∇		0.9		12 —	+			wood debris	
		Sat		l' _	-					
<u> </u>			4.0	2 2 2	13 —					
		0-4	1.0	2	-					
 		Sat			14	+				
\square \square \square			0.0	2	-					
		0-4	0.9	2	15			CVA	Crovelly CAND	accuse to modify a small with
\vdash		Sat		3	-			SW		coarse to medium sand, with
			4 4	2	16 —				brick and wood, trace	SIIL
		0-4	1.1	3	-	+				
		Sat		_	17 —					
\square \square \square			0.7	2	-					
<u> </u>			0.7	[18 —					
\vdash		Sat		3	-					
H - H			0.5	2 2 2	19 —					
			0.5	2	-					
				2	20 —					
_					-	+	-		DOTTOM OF US	⇒ 201
					21 —	+	1		BOTTOM OF HOLE	<u>@ ZU </u>
_					-	+	 			
					22 —	+	1			

_		I		14/4055	2545.4			O DUIL	In any court of the court of
		PROJECT		WA255-			ENT:	ConocoPhillips	BORING/WELL NO: MW-82
l		LOGGED			/L. Brock		CATION:	600 Westlake Ave N, Seat	· · · · · · · · · · · · · · · · · · ·
Del	ta	DRILLER		CDI			E DRILLE		Location Map
	la		METHOD:				_E DIAMET		
			IG METHOD:				E DEPTH		Coo Figure 2
Environm	nental	CASING T		PVC			LL DIAMET		See Figure 2
Consultan	ts, Inc.	SLOT SIZ		0.010"			LL DEPTH		
			ELEVATION	10-20	N	ORTHIN	SING STIC	KUP: 0 EASTING	-
		· '	23.70	V		231760.7	3	1269537.6	
Well Completion				<u> </u>					
21.40	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	_ ₩		
ing Kfill	Water	oist	Readi (ppm)	ows	Ę.	ver	=	LITH	OLOGY / DESCRIPTION
Backfill	Level	ΣO	_ □)	Pe (b	Эер	Recovery	တိ		
	-		ш.		_	<u> </u>		Concrete (6")	
					_		┨	Concrete (o)	
11111111111					1		┨		
Bernt.							1	Air-knifed/vac-	cleared to 5'
in					2 —		1	, til 1tilliou/ vdo-	
					_	\vdash	1		
					3 —		1		
					_		1		
					4		1		
					5				
		Moist		4	J		SP	SAND; gray, fine to n	nedium
			2,000	4	6				
				2					
				4	7			(As above)	
			1,795	4	_				
	2			7	8 —				
			0.40	2	_				
6 H —	∇	C-4	940	2 5	9 ——			CAND, such fine to a	andicina with 2000/ mant/amanina/
SAND		Sat			_		/		nedium, with <20% peat/organics/
v			105	4 7	10 ——		Wood	Wood fragments with	ottom of sample interval
- H =	ν.		103	14	_		- Wood	Wood fragments with	Sand
	X.			16	11 ——				
	C.		145	4					
			110	6	12 —			Wood fragments	
				8	<u> </u>			, , , , , , , , , , , , , , , , , , ,	
			133	7	13 ——				
				2	_			Wood fragments with	sand and sawdust
				4	14			_	
			51	10	 15 <i></i>				
				7				Sawdust	
			23.7	50/6"	16 —		SP	SAND; salt & pepper	
				[17			Wood fragments and	
			50	17	_		SP	SAND; salt & pepper	
			50	20	18 ——			(grades finer s	and and gray in color)
_				29	_			SAND: arou fina	
			75	20 25	19 ——			SAND; gray, fine	
_			13	28	-				
				20	20 —				
⊢					_	\vdash	\exists	BOTTOM OF HOLE	@ 20'
					21 ——		1		<u> </u>
					_				
					22 —		1		
								I.	

		PROJEC [*]	T NO.	WA255-	0E1E 1		CLIEN	IT.	ConocoPhillips		BORING/WELL NO: MW-84
		LOGGED		K.Johnse		noneon			600 Westlake Ave N, Seatt	lο \Λ/Λ	PAGE 1 OF 1
		DRILLER		Cascade	7			DRILLE	, i	Location Map	I NOL I OF I
De	lta		G METHOD:		: Drilling,	IIIC.		DIAMET		Location Map	
	Ila		IG METHOD.								
				PVC				DEPTH:			See Figure 2
Environ	mental	CASING SLOT SIZ		0.010"				. DIAMET			See Figure 2
Consulta	nts, Inc.	GRAVEL		10-20				. DEPTH: NG STICI			
			ELEVATIO		I	NORT		10 3110	EASTING		
			28.51			2317			1269309.9		
Well Completion				<u> </u>	£		1 .	4.			
	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	Soil Type			
in gi	Water	ont	Re	netra	Ę	Ver	Na	<u>=</u>	LITH	OLOGY	/ DESCRIPTION
Backfill	Level	ΣO	_ G (Per (b)) e	Recovery	Interval	SS			
			<u> </u>	_	-	<u> </u>			Asphalt/Concrete (12'	'\	
Come.									Aspirali/Concrete (12)	
8 =	-				1 —						
									Air-knifed/vac-d	eleared to !	5'
Bent.					2—				7 1 0 1 0		
io –					\ .	1					
					3—						
					_ ,		1				
					4—						
_					5—						
				2	5—			ML	Sandy Clayey SILT; g	rey mottle	d with some brown, soft
		Damp	13.6	2 2 3	6—						
	_			3	I						
				2	7_						
			19.6	3	Ι΄.						
	_			3	8—						
	4	Damp		2 2	Ι .			SM	Silty SAND; gray, med	dium, firm,	some 1"-2" rounded gravel
	-		17.8	2	9—						
	-			3							
	-	14-:-4	44.4	2	10 —						
	4	Moist	11.1	2							
	-			I-	11—						
SAND			11.5	1							
v — —		Moist	11.5	2 2	12—			ML	Sandy SILT; gray, sor	me 1/2" ne	hhles firm
		IVIOISE		2	·			IVIL	Carldy OILT, gray, 301	11C 17Z PC	bbics, iiiii
	1		10.3	3	13—						
	1	Moist		4	٠				Clayey SILT; gray, so	me sand. f	firm
	1			3	14 —						
	1		9.4	5	1						
		Moist		7	15—				(As above, with	wood chi	ps)
				8	16—						
		Sat	9.5	9	16—			GP	Sandy GRAVEL; 1"-2	" gravel, m	nedium sand, some silt
				11	17—						
	_			7	'' ==.						
	4		8.0	9	18—						
	4			_ 10							
<u> </u>	4		_ _	7	19—						
	4		7.5	14							
	-			20	20 —						
-	-					-	-		BOTTOM OF US	≘ 20!	
	-				21 —	-	-		BOTTOM OF HOLE (w 20°	
_	-				.	-	-				
	-				22—	+	\vdash				
	1										

		PROJECT	T NO:	WA255-	3515 1		LIENT:		ConocoPhillips	PODING/M/EI	LL NO: MW-85
		LOGGED			h/L. Brock		OCATIO		600 Westlake Ave N, Seatt		
		DRILLER:		CDI	II/L. DIOOK		ATE DE			Location Map	1
Del	ta		METHOD:				OLE DI			Eddaton Wap	
	la		G METHOD:				OLE DE				
		CASING 1		PVC			/ELL DI			See Figu	ıra 2
Environm		SLOT SIZ		0.010"			/ELL DI			Occ i igc	110 2
Consultant	ts, Inc.	GRAVEL		2-12			ASING				
			ELEVATION		I	IORTHI			EASTING		
			28.29			231813			1269298.8		
Well Completion			PID Reading (ppm)	E _	Œ.	Samp	ماه	4)			
	Static	Moisture Content	adi n)	Penetration (blows/6")	Depth (feet)			Soil Type		01 00V / DE00DI	DTION
ing line	Water	oisi	Re Pp	ow:	l #s	over	Interval	Ë	LITH	OLOGY / DESCRI	PHON
Backfill	Level	≥ 0	<u>⊖</u>	Pel (b	Del	Recovery	lute 	Š			
									Asphalt/Concrete (~1	3")	
- Come										- /	
					1 —						
									Air-knifed/vac-d	leared to 5'	
Bent:					2						
					3-						
					4						
					_						
					5						
				5	_						
$ \mu$ $-$			8.5	4	6			SP	SAND and CLAY; gra	y, fine sand, with woo	d fragments
$ \mu$ μ				12	_						
<u> </u>			40.0	12					CAND 6 31	01	
+H-H			10.6	2					SAND; gray, fine, with	Clay	
$\square \vdash \vdash \vdash \vdash$				4	8 —						
$\square \vdash \vdash \vdash$			9.2	5	_			CL	CLAV, arov with fine		
H - H			9.2	2 5	9 —			CL	CLAY; gray, with fine	Sanu	
		Moist		3	-						
		1010101	6.6	4				_			
			0.0	5	. –			SC	(grading more)	noist with more fine sa	and)
오버그					11				(g. a.age.e		
SAND	∇	Moist	8.3	3 5							
				9	12 —						
				8							
		Wet	6.8	8	13—				SAND with CLAY; sal	t & pepper	
				7	14 —						
		Sat		7	'				(As above, satu	ırated)	
			7.8	8	15—						
$ \square$ \neg				15	_	ш					
				4	1 16				(As above with	wood fragments)	
\square \square \square			8.2	4	·l						
-				6	17 —						
H - H			7.0	8	-						
\square			7.3	8 9	18 ——				/ A = = b = · · · ·	ممامع مامیر،/	
$H \dashv$								CL	(As above, incr		monts
H-H			6.8	5	19 —			UL	CLAY; gray, with trace	s sanu anu wood iragi	пенья
H - H			0.0	5	. –						
				3	20 —						
\dashv					-		\dashv		BOTTOM OF HOLE (ര 20'	
					21 —		$\overline{}$				
\dashv						T	\dashv				
					22 —	+	\dashv				
				1	1				I .		

		Inno ino	- NO	WA255-	2545 4	OLIE	NT.	CanacaDhillina	IDODINOMELL NO. MIN OC
		PROJECT LOGGED				CLIE		ConocoPhillips 600 Westlake Ave N, Seat	BORING/WELL NO: MW-86 tle, WA PAGE 1 OF 1
I		DRILLER:			on/B.Hogens e Drilling, Inc				<u> </u>
De	lta		B METHOD:		e Drilling, inc		E DRILLE E DIAMET		Location Map
	Ila								
			G METHOD				DEPTH		See Figure 2
Environi	mental	CASING 1		PVC			_ DIAME1		See Figure 2
Consultar	nts, Inc.	SLOT SIZ GRAVEL		0.010" 10-20			_ DEPTH: NG STIC		
			ELEVATIO		NC.	RTHING		KUP: 0 EASTING	-
		'	27.55	IN		31852.5		1269416.4	
Well Completion	-			۵ ء	i i				
7. 7	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")		Sample	Soil Type		
iii gii	Water) onte	Rea	etra	÷	very	<u>-</u>	LITH	OLOGY / DESCRIPTION
Backfill	Level	≱ర) []	per (blc	deC	Recovery Interval	So		
	-		Ь	-		<u>~ -</u>		Company (4.411)	
	-				-		1	Concrete (14")	
Conc.	-				1-		ł		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-				-		ł	Air-knifed/vac-	cleared to 5'
	-				2		ł	All-Killieu/vac-	cleared to 5
Bent.	-				+		1		
					3	+	1		
	1				+	+	1		
	1				4		ł		
	1				-				
\square	1			3	5		SM	Silty SAND; gray, fine	e to medium firm
H =	1	Dry	59.3	3	1. —			Jany 37 11 12 , gray, 111 13	
	1	-		3	6-				
				2	,		1		
	1	Damp	41.7	2	/ -		ML	Sandy SILT; gray, fin	e sand, firm, damp
				3	8 -		1		·
				2					
	_	Moist	32.5	2 2 2	9		SM	Silty SAND; fine, soft	, moist
<u> </u>				2					
	∇	1		3	10				
		Sat	39.7	4	-		ļ	(As above, sat	urated)
	-			5	11 —		-		
SAND	-		10.6	4	1 +		ł	/Acabaya ara	doe to modium cond)
1 N -			10.6	2	12			(As above, gra	des to medium sand)
				_	1 +				
	-		8.0	2	13		ł	(As above)	
H -	-		0.0	2	+		1	(V2 anove)	
H =	1			2	14		1		
H -	1		7.3	1			1	(As above)	
	1			2			1	(. 15 2.5010)	
	1			1 -	1 —		1		
	1		7.3	2	16		1	(As above)	
				2	17		1		
				4	17				
			9.1	1				(As above)	
				3	10				
	_			1	19		1		
Ш _			6.0	2	' _			(As above)	
	_			2	20				
_	4					\bot			
	4				21	$-\!$	1	BOTTOM OF HOLE	@ 20'
_	4				4	+	1		
	_				22		1		

		Inno Ino	T.N.O.	\A/A OF F	0545.4		OL IEA	·-	O a se a a Dia illino	
		PROJECT LOGGED		WA255-	·3515-1 h/L. Brock		CLIEN	NT: NTION:	ConocoPhillips 600 Westlake Ave N, Sea	BORING/WELL NO: MW-87 ttle, WA PAGE 1 OF 1
l – .	1.4	DRILLER		CDI	II/L. DIUUK			DRILLE		Location Map
Del	to		:: G METHOD:					: DRILLE : DIAMET		Location map
	la		IG METHOD:					DEPTH		
		CASING		PVC				. DLF ITI.		See Figure 2
Environm		SLOT SIZ		0.010"				. DEPTH		Oce rigure 2
Consultant	ts, Inc.	GRAVEL		10-20				NG STIC		
			ELEVATION		I 1	NORT			EASTING	1
			26.74			23184			1269501.9	
Well Completion			PID Reading (ppm)	5 ((F)	Sar	mple	a)		•
31.0	Static	Moisture Content	adi m)	Penetration (blows/6")	Depth (feet)		-	Soil Type		IOLOGY / DEGODIDATION
Backfill	Water Level	lois	Re (pp	low low	돭	Recovery	Interval	ΓË	LIIF	OLOGY / DESCRIPTION
Ca	Level	≥ 0		Pe a	Del	Seco	Inte	ο̈́		
						+			Concrete (14")	
- Contra						1				
					1					
#						1			Air-knifed/vac-	cleared to 5'
Bent					2	1				
						1				
					3					
					"-					
					5-					
				5	l			SC	SAND; gray, fine, wit	h clay
<u> </u>			11.6	5	6					
$ \square$				7	_					
<u> </u>				5					(As above)	
			11.0	5						
		 		7	8					
-		Moist	45.0	2	_					
-		14/04	15.6	1	9 —				/Ac above inc	receipe elevi
		Wet		2 6	_				(As above, inc	reasing day)
			7.5	9						
		Wet	1.5	9						
		""			11 —				1	
SAND			10.9	5 5	- I	1				
" H —				6	12			Wood	Sawdust	
				5				-55		
			11.1	9	13				(As above)	
				10						
				2 6 11	14					
			10.2	6	15—				(As above)	
				11	'0					
				6						
\square			8.5	12				_		
				16	17 —					
-				6 9	_			SP	SAND; gray, fine, wit	h pebbles
\square \square \square			7.1	9	18					
-				13	_					
$\square \vdash \vdash \vdash \vdash$			7.0	6					CAND, susses fire a 19	h annual and austral
- $+$ $-$			7.3	8	1				און און; gray, fine, wit	h sawdust and gravel
				8	20				-	
\dashv					-	1			BOTTOM OF HOLE	@ 20'
-					21 —	+			DOTTON OF HOLE	<u>w</u> 20
\dashv					-	1				
					22 —	+				
		1							1	

			PROJEC1	ΓNO:	WA255-	-3515-1		CLIEN	IT:	ConocoPhillips		BORING/WELL NO: MW-88
			LOGGED	BY:	M. Smit	h/L. Brock		LOCA	TION:	600 Westlake Ave N, Seattl	le, WA	PAGE 1 OF 1
	_ I	1 -	DRILLER:		CDI			DATE	DRILLE	D: 10/17/2005	Location Map	
1)		ta	DRILLING	METHOD:	HSA			HOLE	DIAMET	ER: 8.5"		
		la		G METHOD:					DEPTH:			
			CASING 1		PVC				DIAMET			See Figure 2
Envi	ronm	ental			0.010"							See Figure 2
Consi	ultant	s, Inc.	SLOT SIZ						DEPTH:			
			GRAVEL	ELEVATIO	10-20	I N			IG STICI	(UP: 0 EASTING		
			'	27.28	IN		ORTI 23183			1269554.4		
	0.05		1		Ι					1209334.4		
Well Comp	ietion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		nple	be			
≣ ©		Water	istu	Rea Opm	etra ws,	h (f	Recovery	<u>a</u>	Soil Type	LITHO	OLOGY	/ DESCRIPTION
Backfill Casing		Leve	မွိ ပိ	D F (p	ene	ept	SO	Interval	Soil			
				Ы	₾)	Δ	Re	드				
	100					l _	Ш			Asphalt/Concrete (16"	')	
Ĕ						1 1						
	-					_	Ш					
Bent.						2	Ш			Air-knifed/vac-c	leared to	5'
മ്						l ⁻ _	Ш					
						3 —	Ш					
	1					"						
						1						
						-						
						5 —						
					4]]			SC	SAND with Clay; salt &	& pepper :	sand, fine
				20.5	4	_						
					6	6				CLAY with Sand; gray	, fine san	d
					7				SP	SAND; salt & pepper,	fine	
				2,000	7	'				(grades brown i		
				,	18	_				,0	,	
			Moist		10	8 —				(As above, grad	ding trace	clay and pebbles)
				1,530	10					, , ,		
					4	9						
		∇			6	_				SAND; brown mixed w	vith salt &	pepper sand, trace clay
	=4		Wet	273	6	1 1 1 1				·		
					7							
SAND					4	11				(As above)		
A				102	4	l				,		
, H					4	12 —						
-H	-				. 6	-			SC	Clayey SAND; brown	mixed witl	h salt & pepper sand
-H	\neg			37.7	2					clayey charte, creamin	mixed with	r can a popper carra
	\dashv			07.17	4							
	-				8	14			SP	SAND; fine, some sma	all gravel	
	\dashv			20.4	8	-			01	(C. 1110, 11110, 001110 01110	an gravor	
-	\dashv			20.7	11	15 ——						
-	\dashv				' 6	. –				(As above, incre	easing gra	avel)
-	\dashv			11.4	6	1 10				(7 to above, intere	Sasing gre	A + OI/
-	\dashv			11.7	9	,						
	\dashv				5	17 —						
-	\dashv			12.8	9	-				SAND and GRAVEL;	fine arava	
\Box	\dashv			12.0	9	18 ——				CAND AND ONAVEL,	mic grave	1
-	\dashv					. -						
\vdash	-			7.3	3	19 —	Н					
\vdash	\dashv			1.3	5					SAND: calt & nannar	traco ara	vol.
	\dashv				"	20	H			SAND; salt & pepper,	uace grav	V CI
	\dashv					-	Н	$\vdash\vdash\vdash$		BOTTOM OF HOLE @	ര 20'	
	\dashv					21 —	Н	$\vdash\vdash\vdash$		DOTTOWIOF HOLE (<u>w</u> 20	
	ᆜ					-	Н	$\vdash\vdash$				

		PROJEC1	ΓΝΟ:	WA255-3	3515-1		CLIEN	NT:	ConocoPhillips		BORING/WELL NO: MW-89
		LOGGED		K.Johnso		enson			600 Westlake Ave N, Seat	ttle. WA	PAGE 1 OF 1
	1.4	DRILLER:		Cascade	_			DRILLE		Location Map	<u> </u>
Del	ta		B METHOD:		. Drilling,	1110.		DIAMET		Location wap	
	la										
			G METHOD:					DEPTH:			0 5
Environm	nental	CASING 1		PVC				. DIAMET			See Figure 2
Consultan	ts. Inc.	SLOT SIZ	Œ:	0.010"				. DEPTH:			
Combandan	,	GRAVEL		10-20				NG STIC		_	
			ELEVATIO	N		NORT			EASTING		
		<u> </u>	23.02	1		23166	36.1	1	1269468.1		
Well Completion	Ol-H-	о —	PID Reading (ppm)	Penetration (blows/6")	et)	Sar	mple	Φ			
= m	Static Water	ten	ead im)	rati /s/6	(fe		-	ďΣ	1 170	IOI OGV	/ DESCRIPTION
Backfill	Level	Moisture Content	, R(ow low	Depth (feet)	ove	Interval	Soil Type	Liin	OLOGI	/ DESCRIPTION
Backfill	LGVOI	2 0	PIC	Pe e	De	Recovery	Inte	Ň			
						+-	Π.		Concrete (7")		
Conc.					-	1			Constate (1)		
					1 —	+			Air-knifed/vac-	cleared to	5'
Bent H					-	+			7 (11 1(111104) 7440	cicarea te	
					2	+					
					-	+					
					3 —	+					
					-	+					
					4	+					
\blacksquare					_						
<u> </u>					5						
	$\overline{\sum}$			1				SM	Silty SAND; some cla	ay, some w	ood debris, saturated
		Sat	10.2	2	6						
				1	"						
				2							
			27.8	2	'						
				1	- ا			Wood	Wood debris (large)		
				2	8				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
$-H$ \neg			9.2	4	_	1					
\Box				50/4"	9 —						
				50/1"	-				(Refusal of spo	oon due to	wood debris)
				00, 1	10 —	+			(I tolddal ol opt	0011 440 10	weed desire)
9 ⊢ −					-	+			(Drilling to 12'	for nevt sa	mnle interval)
\$ ⊢ ⊢					11 —	+			(Brilling to 12	101 HCAL 30	imple interval)
					-	+					
H = H				10	12 —	+			(Mood noon m	20010001	
		14/-4	45.5	12 6 6	-				(Wood, poor re	ecovery)	
 		Wet	15.5	0	13 —	_					
\vdash \vdash \vdash					_	+					
<u> </u>				9	14						
				4	_						
				3	15 —						
				6	_						
		Sat		4	16 —			CL	Silty CLAY; gray, firm	1	
			8.5	7	'0'						
				4	17						
		Sat		6	17			SM	Silty SAND; medium,	firm	
			8.9	11					· · · · · · · · · · · · · · · · · · ·		
				4	18 —						
			7.1	٥							
			/	9	19 —						
_					-						
					20 —	+			BOTTOM OF HOLE	@ 10 F'	
\dashv					-	+			BOTTOWIOF HOLE	ധ 19.3	
					21 —	+					
_					-	+					
					22 —	+					
		1									

		PROJEC ⁻	T NO.	WA255-	2515 1	-	N IENIT		ConocoPhillips	IDODINO/WELL NO. MW 00
		LOGGED			3515-1 n/L. Brock		CLIENT		600 Westlake Ave N, Seatt	BORING/WELL NO: MW-90 lle, WA PAGE 1 OF 1
Ι		DRILLER		CDI	I/L. DIOCK			ION. RILLEI	•	
Del	ta									Location Map
	la		METHOD:					DIAMET		
		_	IG METHOD:					EPTH:		Coo Figure 2
Environm	nental	CASING		PVC				DIAMET		See Figure 2
Consultan	ts, Inc.	SLOT SIZ		0.010"				EPTH:		
		GRAVEL	ELEVATION	10-20	l 1	IORTHI		STIC	KUP: 0 EASTING	
			22.90	V		231737			1269498.0	
Well Completion				<u>۔</u> ۔					1200 10010	
21.7	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sam		Soil Type		
ii gu	Water	oisti onte	Reg	etra) =	very	val	Ė	LITH	OLOGY / DESCRIPTION
Backfill	Leve	ĕŏ	تِ ا	Per (bic	Эер	Recovery	Interval	So		
			Δ.	-		<u>~</u>	\dashv		Compando (CII)	
Jia H					_		_		Concrete (~6")	
1111111111					1		\dashv			
					_	\vdash	-		Air-knifed/vac-	placed to E'
Bent.					2		\dashv		All-Killeu/vac-	deared to 5
					_	\vdash	\dashv			
					3 —	\vdash	\dashv			
					_	\vdash	\dashv			
					4					
					_	\vdash	\dashv			
-				1	5 ——			CL	CLAY with SAND; gra	9V
			903	l <u>'</u>					Wood fragments and	
	$\overline{}$		000	5	6			1000	Wood Haginonio and	dobilo
		Sat		1				SC	SAND and CLAY: gra	y, with wood fragments
			224	2	7					y,
				1				/		
				1	8		V	Vood	Wood fragments and	sawdust
			75.0	0	9					
SAND				2]					
¥s					10 —				Sawdust and gravel	
			76.8		' _					
					11					
				3		ш				
			67.8	3	12			SP	SAND; salt & pepper,	fine to medium
				3 _						
				5	13 ——				SAND with Gravel; sa	alt & pepper
\square \square \square			68.9	4	_					
— —				4 50/6"	14				/	ding loss group!\
\square			72.4	30/6"	_				(As above, gra	ding less gravel)
			72.4		15 ——					
-				36/6"	_				(As above with	n some wood fragments)
			50	30/6	16 ——				(As above, With	i some wood nagments)
\vdash \vdash \vdash			50		_					
				17	17 ——				SAND; salt & pepper	
			47.2	30	_					des to gray with increasing silt)
			77.2	32	18 ——				, to above, gra	ass to gray with morodoning sitty
_				19					(As above)	
			50	23					(10 0.2010)	
				29						
					20					
					24		\neg		BOTTOM OF HOLE	@ 20'
					21 ——		\neg			
					22		\Box			
				<u>L</u>	22 —					
				•	•					

		IDDO IEC	T NO:	WA255-3	2515 1		CLIEN	т.	ConocoPhillips	DODING AWELL NO. MW 04
		PROJEC [*] LOGGED			on/B.Hoge		CLIEN LOCA		600 Westlake Ave N. Seat	BORING/WELL NO: MW-91 tle, WA PAGE 1 OF 1
	1 4	DRILLER			Drilling, I			DRILLEI	•	Location Map
Del	ta.		METHOD:					DIAMET		
	la	SAMPLIN	IG METHOD:	SS			HOLE	DEPTH:	18.5'	
Environm	4 . 1	CASING .	TYPE:	PVC			WELL	DIAMET	ER: 2"	See Figure 2
Consultan		SLOT SIZ	ĽE:	0.010"			WELL	DEPTH:	18'	
Consultan	ts, iiic.	GRAVEL		10-20				IG STICI		
			ELEVATIO	N		NORTH			EASTING	
W =0	_		23.13	Ι_		23168 T	88.6 T		1269494.3	
Well Completion	Static	ire int	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	San	nple	be		
iii gu	Water	Moisture Content	Zea opm	etra ws/	∰ (‡)	/ery	<u>va</u>	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Level	გ შ	ا ق	pe old)ebi	Recovery	Interval	Soi		
	_		<u>С</u>			l œ	_		Concrete (6")	
Сапе					_	\vdash			Concrete (6)	
					1	\vdash			Air-knifed/vac-	cleared to 5'
Time H						\Box			7111 1111110417440	
					2	\Box				
					3—					
]					
					4	igspace				
	$\overline{}$				_	\vdash				
	\sum				5 —	\vdash	_		Clavery Cll Transcrive	the blood was added to be a second
-		Sat	12.1	3 1	_			ML	soft	ith black wood debris, some sand,
-		Sal	12.1		6 —				SOIL	
				3	_			SM	Silty SAND: fine to m	edium, soft, saturated
		Sat	11.4	4	7			0	only or and, and to an	odiam, com, catarated
				2						
				3	8					
			12.2	2	9 —			SP		arse, trace silt, increasing wood
				3					debris (chips)	
SAND			44.0	3	10			/	/I lIf -f	P4
SA -			11.8	4 5	_			Wood	(Lower hair of	split-spoon is wood chips)
				1	11					
			7.7		_	Н			Wood Chips	
				2	12 —					
				1	_	П				
			10.1	3	13 ——					
				2	14			_	(As above)	
				6	'			/		
-			9.8	7	15 ——			SM	Silty SAND; gray to b	prown, fine to medium, firm
				[/]	_					
H-H			10.1	7 9	16 ——				(Ac above ma	estly fino
\vdash			10.1	11	_				(As above, mo	osuy iiile)
				8	17 ——					
			9.5	9						
				9	18 —					
					19 —					
									BOTTOM OF HOLE	@ 18.5'
					20 —	igspace				
_						\sqcup				
					21 —	+	\square			
_					-	+				
					22 —	+				

F		l	- 110	14/4 055	2545.4				O DUTE	
		PROJECT		WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO: MW-92
l		LOGGED		K. Johns CDI	ion			TION:	600 Westlake Ave N, Seatt	
Del	ta	DRILLER:						DRILLE		Location Map
	la		METHOD:					DIAMET		
			G METHOD:					DEPTH:		Coo Figure 2
Environm	nental	CASING 1		PVC				. DIAMET		See Figure 2
Consultan	ts, Inc.	SLOT SIZ GRAVEL		0.010"				DEPTH:		
			ELEVATIO	10-20	г ,	NORT		NG STICI	KUP: 0 EASTING	
		'	28.98	IN.	'	23177			1269364.4	
Well Completion				<u> </u>	£			a :	,	
	Static	Moisture Content	adir n)	atio s/6"	Depth (feet)		mple	Soil Type		
ing in	Water	ont	Re	etra	ŧ	Ver	va	<u>⊨</u>	LITH	OLOGY / DESCRIPTION
Backfill	Leve	Moisture Content PID Reading (ppm) Penetration (blows/6") Depth (feet)				Recovery	Interval	SS		
			ш.			+ "			Asphalt (~3")	
					_	1			riopridit (0)	
Come.					1 —	1				
					_				Air-knifed/vac-	cleared to 5'
					2	1				
Bernt						1				
					3 —					
					l 4-					
					4					
					5					
		Damp		4	"			SP	Pebbly SAND; yellow	-brown, medium, trace fines,
			9.8	9	6				firm, damp	
\blacksquare \blacksquare \blacksquare				12						
			44.0	14	· / —					
			11.8	15						
<u> </u>				16	8 —					
			11.4	8	-					
			11.4	8	9 —					
				4	_					
		Moist	23.5	5	10 —				(As above gra	des medium to coarse)
		WOOL	20.0	50/4"	_				(As above, with	
오버크				5	11				(/ 10 0100 / 0, 1111	
SAND			1,500	4	-					
	\bigvee	Sat	,	8	12				(As above, with	n brick and wood debris)
				5	_				,	
			826	5 8					SAND; gray, coarse,	with fine pebbles
				6	14					
		Sat		2	'			SM	Silty SAND; gray, fine	sand, soft
			42.5	1	15 —					
				2	_					
			64.5	1	16 —					
<u> </u>			34.3	1	-			<u> </u>		des fine to medium sand)
				l 1	17 —			CL	Silty CLAY; brown-gra	ay, tırm
\square			22.0	2	-					
			33.0	8	18			10/000	Wood Chips	
-				8	-				SAND; gray, fine, trac	oo silt
-			23.4	6				35	טאויט, gray, iiile, trac	oc onl
			20.4	4	_					
					20					
						†			BOTTOM OF HOLE	@ 20'
					21 —				2	
					-					
					22 —					
				•	•		•		•	

		1		14/4.055	05151			O DI III	I
		PROJECT		WA255-			ENT:	ConocoPhillips	BORING/WELL NO: MW-93
l		LOGGED			n/L. Brock		CATION:	600 Westlake Ave N, Seat	· · · · · · · · · · · · · · · · · · ·
Del	to	DRILLER		CDI			TE DRILLE		Location Map
	la		METHOD:				LE DIAME		
			IG METHOD:				LE DEPTH		Coo Figure 2
Environm	nental	CASING T		PVC			LL DIAME		See Figure 2
Consultan	ts, Inc.	SLOT SIZ GRAVEL		0.010" 10-20			LL DEPTH SING STIC		
			ELEVATION		I N	IORTHIN		KUP: 0 EASTING	-
		'	25.74	•		231803.6		1269463.3	
Well Completion				<u> </u>					
20.000	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sampl	_ ₩		
ing Kfill	Water	oist	Re	netr	듩	ver		LITH	OLOGY / DESCRIPTION
Backfill	Level	ΣO	_ □)	Pe (b) je	Recovery	တိ		
	_		ш.		 	<u> </u>		Asphalt/Concrete (~6	·"\
					-	$\vdash \vdash$	\dashv	, topridit controlete (**0	. 1
111111111111111111111111111111111111111					1	\vdash	\dashv		
Bent.						\vdash		Air-knifed/vac-	cleared to 5'
60	S.				2	\vdash			
							7		
					3				
					4				
					5				
				3			ML	SILT with Clay; gray	
			282	3	6				
	\searrow			2	_				
		Wet		2 2	7		ML-CL	. (grading more	clay with some wood and pebbles)
			87		l <u> </u>				
 				4	8				
			٥٦	4	-			(O" annonia lau	an at OL hassum areada a ta
▮▫⊣┈			95	2 4	9 ——				er at 9', brown, grades to
SAND				3	-		SP	salt & pepper s	& pepper, trace wood fragments
v			44	7	10 —		- 31	OAND, gray and sait	& pepper, trace wood tragitients
				7	-				
		Wet		5	11			(As above, we	t)
			9.7	10	–			(* 12 2112 1 2)	-)
				10	12				
				4	12 -			1	
			9.4	6			sc	Clayey SAND; with w	ood fragments
				9	14 —				
				4	'		SP	SAND; salt & pepper	, with wood
			8.3	4	15 —				
				4	-				
					16		Wood	Wood fragments	
			8.8		_			/A.I	dia
					17 ——			(No recovery, v	wood in augers)
					-				
					18 ——				
_			7.3		-			Wood chips and Sand	d
			1.3		19 ——			wood chips and Sand	u
_					-				
					20		1	1	
⊣						\vdash	_	BOTTOM OF HOLE	@ 20'
I ─┤					21 ——	\vdash			
լ ⊣							1		
					22 —				
							_		

		DDO IEO	TNO	\\/\\OEE	2545 4		OLIE	UT.	ConcesDhilling	DODING/MELL NO. MW.04
		PROJEC [*] LOGGED		WA255-	-3515-1 h/L. Brocl	,	CLIEN	NT: ATION:	ConocoPhillips 600 Westlake Ave N, Sea	BORING/WELL NO: MW-94 ttle, WA PAGE 1 OF 1
l . .	4	DRILLER		CDI	II/L. BIOCI	`		DRILLE	•	Location Map
Del	ta		 G METHOD:					E DIAMET		Eccation wap
	la		IG METHOD:					DEPTH		
		CASING		PVC				_ DIAME1		See Figure 2
Environm		SLOT SIZ		0.010"				_ DEPTH		Jess Figure 2
Consultant	ts, Inc.	GRAVEL		10-20				NG STIC		
			ELEVATION		1	NORT			EASTING	1
			21.90			2317	62.0		1269478.3	
Well Completion	200	0 11	PID Reading (ppm)	۲. (-	et)	Sa	mple	a)		
= 70	Static	Moisture Content	eadi m)	Penetration (blows/6")	Depth (feet)		-	Soil Type		IOLOCY / DESCRIPTION
Backfill	Water Level	lois	Re (pp	neti low	btl	ove	Interva	l je	Liif	IOLOGY / DESCRIPTION
Backfill	Level	≥ 0		P e	De	Recovery	Inte	Ň		
					1	+-			Concrete (~6")	
Come					, -			1		
2000000					1—			1		
Bent.								1	Air-knifed/vac	-cleared to 5'
m					2—			1		
					3_]		
					3—]		
					1 4_]		
					5—					
		Wet		3				GP	Sandy GRAVEL; wit	h wood fragments
			65	3	6-					
				2] .	_				
		Sat		4			<u> </u>	SP-SC	SAND with Clay and	Gravel; with wood fragments
			55	6						
 				6	8—				(A = = l= = = =)	
			79	2	-			/	(As above)	
ا م ا			19	3 3	9 —			Wood	Wood fragments	
SAND				2	, -			vvood	WOOd fraginerits	
0 H —			44	3		+		1		
				4				l	Sawdust	
				2	' 11 <i>-</i>			1	Cawadot	
			25	3	l			1		
				3	12 —	-		1		
				3	3 40 -			1	(As above)	
			17	14		1		1	, ,	
				6	: l			SM	Silty SAND; gray, fin	e, with sawdust
				3	´ 14 —]		
			20	7	15—					
				9	.					
				3	1 1n —				Sawdust	
			11	9)			ML	SILT; fine	
				23	3 17—					
			4.5	2 8	-				Sawdust	
			12	g	18			ML	SILT	
				_	-				Silty SAND; fine	
				7	1 19			ML	SILT	
_			23	7				CNA	Cilty CAND, 5:	
				13	20 —			SM	Silty SAND; fine	
ı ⊢					-			-	BOTTOM OF HOLE	@ 20'
ı ⊢					21 —	+	\vdash	1	BOTTOM OF HOLE	<u>w</u> 20
\					-	+	\vdash	1		
ı					22 —	+	\vdash	1		
			<u> </u>							

	IDDO II	OT NO	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0545.4	01.1	-NIT:	CanacaDhillina	DODING AMELL NO. NAW OF
		ECT NO: ED BY:	WA255-3 K. Johns			ENT: CATION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: MW-95 tle, WA PAGE 1 OF 1
l			CDI	SON				
l Dalta	DRILL	=K: NG METHOD:				E DIAME		Location Map
Delta						_E DIAME		
	O/ livii	ING METHOD				_E DEPTH		Soo Figure 2
Environmenta	al I	G TYPE:	PVC			LL DIAME		See Figure 2
Consultants, In	IC. SLOT		0.010"			LL DEPTH		
	GRAV	EL PACK:	10-20	1		SING STIC		
		ELEVATIO 31.99	IN		NORTHIN 231351.1		EASTING 1269300.3	
		51.99	Τ		1		1209300.3	
Well Completion Sta	wel Workling	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	e e		
≣ ₽ Wa	ter 15 g	Sea Ppm	etra ws/	h (f	Recovery	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill Casing Casing	vel § c			ebt	Recovery	Soi		
Y of a Laboratory		<u>-</u>	п –	Ω	<u>~</u>	1		
Come						4	Asphalt/Concrete (16	')
<u> </u>				1 —	\bot	4		
Beenit						4		
<u> </u>				2_		4	Air-knifed/vac-	cleared to 5'
				.	+	4		
				3—	+	4		
				Ι΄.	+	4		
				4 —	$\bot \bot$	4		
				Ι΄.	\bot	-		
$ \square$				5 —		_		
\square			18	Ι.		SP	SAND; fine, soft	
	Dry	0	15	6—				
\Box			2	Ι΄.				
<u> </u>			23					
		2.3	30				(As above)	
			31	8—				
			17	Ι.				
		2.8	17	9 —				
			13	Ι΄.			(As above, gra	des gray, with some pebbles)
SAND			4					
8 4		0.1	8	l .				
	Mois	st	8	11 —			(As above)	
			5					
$H \rightarrow \nabla$	7	0	8	12—				
			8				(As above)	
	We		5	13 —				
		0.1	7					
			8	14 —			(As above, with	n some wood debris, some silt)
			5	.				
		0	6	15 —			0111 0 1 1 1 5	
	We		8 _	l .		SM	Silty SAND; gray, sof	İ .
			5					
\Box \Box \Box			6	١.			// /	
			8	17—			(Wood plugged	catcher)
			50/6"	.				
				18—		-	-	
				.	+	4	DOTTO: OF ::::	O 401
				19—	+	4	BOTTOM OF HOLE	<u>യ</u> 18'
				.	+	4		
				20 —	+	4		
				.	+	4		
				21 —	+	4		
				.	+	4		
				22 —	++	4		

	l:		14/4 055	0545.4				O DUIL	In a superior was a superior
	PROJEC		WA255-	3515-1 n/L. Brock		CLIEN		ConocoPhillips 600 Westlake Ave N, Sea	BORING/WELL NO: MW-96
	LOGGED		CDI	, L. DIUCK			TION: DRILLE	•	ttle, WA PAGE 1 OF 1
Delta	DRILLINA	G METHOD:					DIAMET		Ecocatori map
	SVMDLIN	G METHOD: NG METHOD:					: DIAME I : DEPTH:		
	CASING		PVC				. DLF ITI.		See Figure 2
Environmental	SLOT SIZ		0.010"				. DEPTH:		Oce rigure 2
Consultants, Inc.	GRAVEL		10-20				NG STICI		
		ELEVATION		l N	NORT			EASTING	7
		24.98			23177			1269443.6	
Well Completion	<i>a</i>	PID Reading (ppm)	۲. (-	(te	Sar	nple	a)		
Static	ture	m)	atic s/6'	(fee		-	, yp(IOLOGY / DESCRIPTION
Water Casing Elevel		Re (pp	Penetration (blows/6")	Depth (feet)	Recovery	Interval	Soil Type	""	IOLOGY / DESCRIPTION
Ca Ba	≥ 0		Be G	De	Zec	Inte	Š		
					╁╨╴			Concrete (~6")	
-								, , ,	
				1					
# -								Air-knifed/vac-	-cleared to 5'
Beent				2					
					1				
				3 —					
				4					
				5					
			3				CL	CLAY, gray with woo	od fragments
		40	3	6					
			9	<u> </u>					
			5	7 —				Silty CLAY; gray to ta	an
		150	4	_			_		
			4	8 —					
	Wet	407	2	_			SP-SC	SAND; gray, fine, wit	th clay and gravel
		137	2	9 —					
	Sat		4	_			sc	CAND and CLAV: ar	ay, with gravel, trace wood
	Sai	34	3 10				30	(Brown liquid	
	Wet	34	14					(Brown liquid)	present at 10)
	1 110		5	11			Wood	Wood fragments	
SAND			6	_	1		VVOOd	77000 iraginents	
0 -			5	12 —	+				
							SP	SAND with Gravel; w	vith wood fragments
		28	2 3	13 —				S. a. (D. t.t.ar Gravor, W	
			2	_					
			3	14				(As above)	
		21	4	15				, , , , , , , , , , , , , , , , , , , ,	
			6	15 ——					
			5	16				(As above, po	or recovery)
			3	10					
			6	17 —					
			2	''				(No recovery)	
			3	18 —					
			3	_					
			23	19 ——			SP	SAND; gray to salt &	pepper, fine
		15	60/6"	_					
				20	_				
I				_	1			DOTTO: -	0.001
I →				21 —				BOTTOM OF HOLE	@ 20'
I →				_	-				
I →				22 —	-				

		Inno In	T. N.O.	WA255-3	E4E 4		OUTE	.T	CanasaDhillina		IDODINOMELL NO. MIN 07
		PROJEC ⁻		K. Johnson			CLIEN		ConocoPhillips 600 Westlake Ave N, Seatt	Ho MA	BORING/WELL NO: MW-97
<u> </u>	_	LOGGED DRILLER		CDI	<i>1</i> 11			ATION: DRILLEI		Location Map	PAGE 1 OF 1
	ta		: 3 METHOD							Location Map	
Del	la		IG METHOL					DIAMET			
		CASING T		PVC				DEPTH: DIAMET			See Figure 2
Environme		SLOT SIZ		0.010"				. DEPTH:			Gee rigure 2
Consultants	s, Inc.	GRAVEL		10-20				NG STICK			
I			ELEVATIO			NORTI			EASTING	1	
			30.35			23148			1269306.9		
Well Completion	1250	40	PID Reading (ppm)	۲ (et)	Sar	nple	(I)			
	Static	Moisture Content	adi m)	Penetration (blows/6")	Depth (feet)		-	Soil Type		01.00	/ DECODIDITION
Backfill	Water Level	lois	Pg (pp	neti low	pth	ove	nterva	<u> </u>	"	OLUGY	/ DESCRIPTION
Ca Ba	LCVC	20		Pe G	De	Recovery	Inte	Ň			
<u> </u>									Concrete (16")		
Concrete									` ′		
					1—				Air-knifed/vac-	cleared to 5	5'
<u> </u>					2—						
# -											
a l					3—						
					4 —						
<u> </u>					5—	\perp					
				5		\perp					
ЩЩ		Damp	11	6	6—			SM	Silty SAND; gray, son	ne gravel,s	oft, damp
\blacksquare				7							
<u> </u>				8	7—						
\vdash			38	50/4"		_					
<u> </u>				4.5	8 —						
H - H			34	15							
-			34	14 12	9 —				(As above with	como woo	d dobrio)
-				8					(As above with	Some woo	u uebns)
		Moist	38	8	10 —			SP	SAND; gray, some sil	t soft	
$H \rightarrow$		Wioist		8				0	OAND, gray, some sil	ι, σοπ	
	\bigvee	Wet		11	11 —						
SAND		'''	29	11					(As above)		
				11	12 —			1	(32 233 2 7)		
				2				1			
			4.8	4	13 —						
				6	14						
				2	14 —						
			2.1	2 3	15 —						
				2	13 —				(As above, gra	des blackis	h, with wood debris)
				3	16 —						
				2	'0			Wood			
				3	17 —						
				50/3"	''	\bot			(No recovery, o	catcher pluç	gged by wood)
					18 —						
Щ						\bot					
				50/2"	19 —				(No recovery, o	catcher pluç	gged by wood)
						+			(1.1		1)
					20 —				(Hammered thi	rough wood	1)
4						+			DOTTOM OF HOLE	- 00'	
_					21 —				BOTTOM OF HOLE	@ 20'	
\dashv						+					
					22 —						
				<u> </u>							

		DDO IECT	F NO:	WA255-3	0E1E 1		CLIEN	IT.	ConocoPhillips	BORING/WELL NO: MW-98			
l		PROJECT LOGGED		K. Johns			CLIEN	NI: .TION:	600 Westlake Ave N, Seatt				
D 14	1	DRILLER:		CDI	,011			DRILLE	, i	Location Map			
Delt	12		METHOD:	HSA				DIAMET					
	LCI		G METHOD:					DEPTH					
	.4.1	CASING 1		PVC				. DIAMET		See Figure 2			
Environmen		SLOT SIZ	Œ:	0.010"			WELL	DEPTH	: 20'	· ·			
Consultants,	, inc.	GRAVEL	PACK:	10-20			CASI	NG STIC	KUP: 0				
		-	ELEVATIO	N		NORT	HING		EASTING				
i i			30.47			2315	39.7		1269304.9				
Well Completion	Static	e +=	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sa	mple	9e					
	Water	istu	kea pm	trat ws/	ր (fe	ery	g	Soil Type	LITHOLOGY / DESCRIPTION				
Backfill	Level	Moisture Content	р F (р	,ene	ept	Recovery	Interval	Soil					
m 0			Ы	<u> </u>	Δ	<u> </u>			A 1 1//0 / / /	OW)			
						_			Asphalt/Concrete (~10	0")			
Conc.					1 —	+	-						
5 -					,	+	1		Air-knifed/vac-o	cleared to 5'			
					2—	+	1		All-killled/vac-d	Diedieu iu o			
Till Be					'	+							
					3 —	+							
					. '	+							
					4—	1							
					- '								
		Dry-		10	5—			SP	SAND; gray, fine, son	ne silt, some gravels to 1.5",			
		Damp	8	14	6—				firm, dry to damp				
				15	0_								
				17									
			41	10									
<u> </u>				14	8—								
		Damp		8					(As above, no ç	gravel)			
			29	13	9 —								
				13									
		Moist	581	8 6					(As above, moi	et)			
		WOSt	301	10					(As above, mor	31)			
	∇			2	11—								
SAND		Sat	489	2	۱ ۱				(As above, satu	urated)			
				3	12 —				,	,			
				3	12								
			495	4 7	13—				(As above)				
				7	14 —								
				4	`` ,								
			30	5	15 —				(As above)				
				5									
		Moist	<20	4	16 —			CI	Gravelly CLAV: grav	firm moist			
H H H		IVIOISU	~20	8 8	,			CL	Gravelly CLAY; gray,	IIIII, IIIOISt			
		Wet		3	17 —			PT	PEAT and Wood debr	ris: brown wet			
		,,,,,,	<20	7	,			L ' '		, 2.0, 1.0.			
		Wet		9	18 —			SM	Silty SAND; brown. fir	ne to medium, firm, wet			
				8									
			<20	11	19—				(As above, grad	des gray)			
				14	20—								
					_ ` .	\bot							
					21 —	+			BOTTOM OF HOLE	@ 20'			
-						+	_						
					22 —	+							
							1		I .				

		I	- 110	14/4 055	0545.4				O DUTE				
		PROJECT		WA255-			CLIEN		ConocoPhillips	BORING/WELL NO: MW-99			
Ι		LOGGED		K. Johns CDI	son			TION:	600 Westlake Ave N, Seatt				
Del	ta	DRILLER						DRILLE		Location Map			
	la		METHOD:					DIAMET					
			IG METHOD:					DEPTH:		Can Firming 2			
Environm	ental	CASING T		PVC				. DIAMET		See Figure 2			
Consultant	s, Inc.	SLOT SIZ		0.010"				DEPTH:					
		GRAVEL	ELEVATIO	10-20	1	NORT		NG STICI		-			
i			29.34	V				HING EASTING 66.6 1269309.4					
Well Completion				l _									
Well Completion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	Soil Type					
Backfill	Water	oistu onte	Zes opm	etra		Recovery	Interval		LITH	OLOGY / DESCRIPTION			
Backfill	Level	ğΰ) (blc)ebi	900	nter	Soi					
m 0			۵	Н.		<u> </u>			0 ((4.41)				
						+			Concrete (14")				
Conc.					1 —								
ŭ						+	1		A: 1 :5 17	ala ana dita El			
					2—	+	1		Air-knifed/vac-	cleared to 5°			
Ti Benit						+	1						
(1997) ———————————————————————————————————					3 —	+	-						
						+	-						
					4 —	-	1						
						+	1						
					5 —	+							
		_	_	6		+		014	CIL CAND				
 		Damp	0	8	6 —		-	SM	Silty SAND; gray-brov	wn, fine, firm, damp			
		A 4 - 1 - 4		8		+	-	N 41	O de - OU Te de	and a second sec			
		Moist	0	13 13			-	ML	Sandy SILT; brown-g	ray, some pebbles, firm, moist			
			U	15		+	\vdash						
-		Moist		8	8—			SP	SAND; green-gray, fir	no firm moist			
\vdash		WOISE	1,790	10				SF	SAND, green-gray, iii	ile, ilitti, tiloist			
	\bigvee		1,700	13	9 —								
		Sat		3					(As above, sat	urated)			
		0 5.1	54	3					(/ 10 0.50 / 0, 00.1				
				3									
				14	11—								
SAND		Wet	7.2	14	10			GP	Sandy GRAVEL; gray	y, wet			
				8	12 —								
				13		\top		GM	Silty GRAVEL; some	wood debris			
			2.3	13	13 —								
				15	14 —			ML	Gravelly SILT; some	fine sand, wood debris			
				10	'-								
			0	11	15 —								
				11									
			_	4		\perp							
			0	5	1			SM	Silty SAND; fine, woo	od debris			
				5	17 —								
			0.4	12		+			/A 1				
			0.1	8	18 —				(As above)				
				8		-							
				10					/A = -1- \				
\square			0	10					(As above)				
				8	20—								
						+	\vdash		BOTTOM OF HOLE	@ 20'			
					21 —	+	+		BOTTOM OF HOLE	<u>w</u> 20			
-						+	+						
					22 —	+	1						

	I		14/4055	2545.4				O DUIL	In any 10 min 10			
	PROJEC [*]		WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO: MW-200			
	LOGGED		K. Johns	on				600 Westlake Ave N, Seatt	•			
Dalta	DRILLER		CDI				DRILLEI		Location Map			
Delta		METHOD:					DIAMET					
		IG METHOD:					DEPTH:		0 5			
Environmental	CASING '		PVC				DIAMET		See Figure 2			
Consultants, Inc.	SLOT SIZ		0.010"				DEPTH:					
	GRAVEL	ELEVATION	10-20		NORTH		NG STIC	KUP: 0 EASTING				
		29.69	V		23145			1269486.6				
Well Completion			<u>د ء</u>	£				1200-100.0	I .			
Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		nple	Soil Type					
₩ater	 onte	Reg	etra) =	very	va	<u>–</u>	LITH	OLOGY / DESCRIPTION			
Casing Mater Casing Cas	ĕŏ	تِ ا	Pen (blc	Эер	Recovery	Interval	So					
		п.			<u> </u>			Concrete (14")				
				-	+			Concrete (14")				
Conc.				1 —	+							
0 -				-				Air-knifed/vac-	cleared to 5'			
				2				All-Killed/vac-t	Sieared to 3			
Bent				-								
ellinillik ——				3 —								
				-								
				4								
<u> </u>												
	Dry		5	5 —			SP	SAND; gray, some sil	t, firm			
		28.6	10	_								
			16	6								
			8	7								
		64.6	9	' <u> </u>				(As above)				
			11	8—								
			6		Ш							
		165	7	9				(As above)				
			9	_								
\square \square \square	Moist-	00.0	4	10 —			014	Cit. CAND fine				
HH	Wet	23.8	4	-			SM	Silty SAND; gray, firm	i, moist to wet			
⊢ H ص				11 —				(As above)				
SAND		16.8	4 5	-				(As above)				
o -		10.0	6	12			Wood	Wood debris with PE	ΔΤ			
			10	-			-PT		-			
		12.9	13	13 —				(As above)				
			15					(* *** *** ** * * * * * * * * * * * * *				
			7	14	П							
		6.1	13	15 —				(As above)				
			20	15—								
			17	16—								
		1.0	11	10-				(As above)				
			12	17 —								
			50-2"	'' <u> </u>								
		0.6		18								
	Wet			_				SILT; brown, dense, v				
			23	19 —			SP	SAND; brown-gray, se	ome silt, dense			
		0	24									
			25	20—								
-				-				DOTTOM OF US	⇒ 20I			
				21 —	+			BOTTOM OF HOLE	യ ՀՍ			
				-								
				22 —	+							
			<u> </u>									

		I :		14/4055	2545.4				O DUTE	In any section of the		
		PROJEC [*] LOGGED		WA255-3			CLIEN		ConocoPhillips 600 Westlake Ave N, Seat	BORING/WELL NO: MW-201		
		DRILLER		K. Johns CDI	JUII			TION: DRILLEI		tle, WA PAGE 1 OF 1		
De	lta		 G METHOD:					DIAMET		Location Map		
	Ila		IG METHOD:									
		CASING .						See Figure 2				
Environn		SLOT SIZ		0.010"				DEPTH:		See Figure 2		
Consultan	ts, Inc.	GRAVEL		10-20				NG STIC				
			ELEVATION			NORTH		10 0 1101	EASTING	1		
			29.32			23145			1269551.8			
Well Completion	1 Sec.	6 4	PID Reading (ppm)	ng (et)	San	nnle	Ф				
= 0	Static	Moisture Content	eadi m)	Penetration (blows/6")	Depth (feet)			1 8 1				
Backfill	Water Level	lois Son	Re (pp	net low	pth	ove	Interval	ie L	LIIT	OLOGY / DESCRIPTION		
Backfill	Level	≥ ∪		Pe G	De	Recovery	Inte	Ň				
						1			Concrete (14")			
	İ					\dagger			,			
Conc.					1	\dagger						
5									Air-knifed/vac-	cleared to 5'		
					2 —	\top						
2					3—	\perp						
Berrit]							
					1							
					5	Ш						
		Dry		10				SP	SAND; gray, some sil	t, dense, dry		
			7.7	23	6							
<u> </u>	ļ			30	_							
				12					(As above)			
			9.8	16								
				17	8				(A			
SAND			40.0	5	-				(As above)			
\\\\\ \ \			12.0	7	9 —							
				8	-				(As above)			
			12.8	8					(As above)			
			12.0	13								
				10	11				(As above)			
		Sat	10.2	15	-				(/ 15 above)			
		Juli	10.2	16	12 —							
	ĺ			13								
	1		10.2	50/6"				Wood	Wood debris			
	1				_							
]			50/3"	14				(As above)			
					15 —							
					13							
					16—				(Refusal at 16'	due to wood debris)		
I –						$oxed{\Box}$						
					17 —				BOTTOM OF HOLE	@ 16'		
-					-	$\downarrow \downarrow \downarrow$						
I —					18 —	\sqcup						
l –					-	+						
	-				19 —	+						
_					-	+						
I —	-				20 —	+	-					
-	1				-	+	\dashv					
I —	1				21 —	+	-					
_	1				-	+	-					
	1				22 —	+	-					
	l		<u> </u>	I	I							

	Innover		14/4055 ()F4F 4		OLIEN		O a se a a Dia Illia a	
	PROJECT LOGGED E		WA255-3 K. Johns			CLIEN	NT: .TION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: MW-202 le, WA PAGE 1 OF 1
l –			CDI	OH			DRILLE		Location Map
Delta	DRILLING	METHOD:					DIAMET		Ecodaon map
	SAMPI ING	G METHOD:					DEPTH:		
	CASING T		PVC				DIAMET		See Figure 2
Environmental	SLOT SIZE		0.010"				DEPTH:		5 · · · · · · · · · · · · · · · · · · ·
Consultants, Inc.	GRAVEL P		10-20				NG STIC		
	Е	ELEVATION	1		NORT	HING		EASTING	
	 	30.55			2314	65.2		1269635.2	
Well Completion Static	e +	ding (ion 3")	eet)	Sai	mple	ЭС		
		PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	ery	<u>a</u>	Soil Type	LITH	OLOGY / DESCRIPTION
Water Casing Level	မွ ပိ	<u>Б</u> О	ene (blo	ept	Recovery	Interva	Soil		-
m 0	+	<u>d</u>	п _		Re	_=		Onnamet: / 00% 11	
ا ن				-	+	$\vdash\vdash\vdash$		Concrete (~20") sidev	vaik
Conc.				1	+	\vdash			
0 _				-	+-	\vdash			
				2—	+	\vdash			
				-	\top	\Box		Air-knifed/vac-d	cleared to 5'
				3 —	1				
				<i>1</i> .					
				5—					
			10	_	4		65	CAND	11. 6
		4.0	10	6 —			SP	SAND; gray-brown, so	ome silt, soft
— —	Dry	4.3	10	-				(As above are	des to yellow-brown, firm)
—		5.2	31 10	7 —				(As above, grad	des to yellow-brown, liftil)
H = H		0.2	12	-					
	Damp		5	8—				(As above, dan	np)
	'	5.3	7	_				,	
			7	9 —					
			6	10 —					
		38	12	_					
	Moist		15	11—				(As above, moi	st)
SAND	Wet		21	_				CAND, areay firms	
8 □ □ □	wet	0	23 23	12 —				SAND; gray, firm	
			23 6	_					
		0	9	13 —					
		Ü	10	-					
			15	14 —					
		0	16	_ 15—					
			8				PT	Peat	
			4	16 —					
		0	5					(As above, with	wood debris)
			6	17 —					
— —		0	50/4"	_					
		0		18 —					
-			10	_				(As above, no v	wood debris)
		0	11	19 —				(A3 above, 110 t	wood deblia)
		U	13	-					
				20—					
				21	1			BOTTOM OF HOLE	@ 20'
				21 —					
				22 —					

		PROJECT	NO:	۱۸/۸۵	255 31	515-1		CLIEI	NT:	ConocoPhillips		BORING/WELL NO: MW-203
		LOGGED E		K. Jo					NT: ATION:	600 Westlake Ave N, Seat	tle. WA	PAGE 1 OF 1
	1	DRILLER:		CDI					DRILLE		Location Map	p.AGE 1 OF 1
Delt	1	DRILLING	METHOD:						DIAMET		Location wap	
	la		METHOD:						DEPTH:			
		CASING T		PVC					_ DIAME1			See Figure 2
Environme		SLOT SIZE		0.010					_ DEPTH:			occ riguic 2
Consultants	, Inc.	GRAVEL P		10-2	-				NG STIC			
			LEVATIO				NOF	THING		EASTING		
			26.63				231	924.1		1269640.0		
Well Completion	00.00	- e	PID Reading (ppm)	Penetration		et)	Is	ample	Φ			
	Static Water	Moisture Content	ead om)	trati	9/s/	Depth (feet)			Soil Type	LITHO	N OGY /	DESCRIPTION
Backfill	Level	Mois	A G) and	<u>ol</u> o	ptt	Vacyood	Interval	io		LOGIA	DEGORII TION
ŭ ü	Ch. St.		Ⅎ	٣	=	ă	Ď.	=	0)			
<u>e</u>							\perp			Gravel (parking lot)		
Concrete —						1 —						
§ _							+			A: 1 'C 1/	1 14	=1
						2 –	+	-	-	Air-knifed/vac-	cleared to	5.
							+	+	1			
						3 —	+	+	1			
							+	+	1			
						4 —	+	+	1			
							+	+	1			
-		Dry			5	5 —			SP	SAND; gray, fine, with	n silt and s	hells soft
\blacksquare		D, y	0		5				~	Ortivo, gray, inic, with	1 Silt and S	, 3011
H = 1					6	6 –		+-	1			
				4	Ŭ	_	\pm		1			
			0	5		7 –						
				4					1			
	\bigvee				3	8-			1			
		Wet	0		6	9-			GP	Sandy GRAVEL; (pos	ssibly pulve	erized brick), yellow,
					6	5				soft, wet		
		Wet		4		10 —			SP	Gravelly SAND; gray,	with some	e shells, soft, wet
			0	4			\perp					
, H—I				5		11 —						
SAND					4		+			(As above, gra	des dark g	gray, 30% shells)
\$ _			0		3 6	12 —			-			
\blacksquare \blacksquare					б		+		-			
H - H			0	8		13 —			-	(As above, with	a challa an	nd fine sand)
\blacksquare \blacksquare				10			+		1	(AS above, Will	i silelis all	iu iiiie sallu)
$\blacksquare \vdash \vdash$				10	4	14 —	- F		1			
H - H			0		10		+		1			
					11	15 -			1	(Poor recovery	/no sample	e)
				4	•	, ,			1	(. 55. 7555751)		- /
			0	3		16 —	\dashv		1			
				2		17			1			
					5	17 —			1	(No recovery)		
					5 3 5	10						
					5	18 –	I					
				9		19 —						
			0	10		19—						
				7		20 —						
							\perp]			
						21 —		\bot	1	BOTTOM OF HOLE	@ 20'	
							\perp	\bot				
						22 —	\perp	\perp]			
		-		1			1 7	1	1	i .		

	1		11/1 055	25151				O BUILL	I
	PROJEC [*]		WA255-3			CLIEN		ConocoPhillips	BORING/WELL NO: MW-204
l	LOGGED DRILLER		K. Johns CDI	ion			TION:	600 Westlake Ave N, Seattl D: 10/21/2005	· · · · · · · · · · · · · · · · · · ·
Delta	DRILLING	: METHOD:					DRILLE		Location Map
l Della	CAMPLIA	IG METHOD:							
	CASING		PVC				DEPTH:		See Figure 2
Environmental	SLOT SIZ		0.010"				DIAMET		See Figure 2
Consultants, Inc.	GRAVEL		10-20						
		ELEVATIO			NORT	THING		EASTING	
		28.13			2318			1269363.1	
Well Completion	45	PID Reading (ppm)	۲. (-	et)	Sar	mple	(I)		
Static		adi m)	ratic s/6'	Depth (feet)			Soil Type		OLOGY / DESCRIPTION
Water Level	lois	Re (pp	neti low	pth	ove	nterva	l lic	LITH	OLOGY / DESCRIPTION
Casing Water Level	≥ 0		Penetration (blows/6")	De	Recovery	Inte	Š		
			<u> </u>		+-			Asphalt/Concrete (~12	2")
9 -									,
Conc.				'					
				2				Air-knifed/vac-c	eleared to 5'
6				3—					
				4					
<u> </u>					<u> </u>				
- -				5 —					
			3	_	₩			(No recovery)	
			5	6 —	-				
\blacksquare			5	-	+				
⊢ − −−	Damp	2,000	5 6				SP	Gravelly SAND; gray,	firm damp
	Danip	2,000	6				3 P	Gravelly SAND, gray,	iim, damp
├			ا ۱	8 —					
	Damp-	1,615	4	_			ML	Sandy SII T: gray, son	me gravel, firm, damp to moist
	Moist	1,010	4	9 —			1011	Carray CILT, gray, 301	ne graver, mm, damp to moist
	1110101		5	–					
HHV		350	4		t				
	Wet		3					(As above, wet))
SAND			4	11					
S □ □		81.5	1	12				(No recovery)	
			2	'					
			1	13					
		34.8	3						
] 3	14					
\square \square \square		_		-	+			(Daan #	no comple)
-		0	2	15 —				(Poor recovery,	no sample)
				-					
		0	3		+				
	Wet		3				SM	Silty SAND; gray, soft	wet
	1 ,, 2,		3	17 ——			JIVI	Only Orlino, gray, soil	, *****
			3		t				
			3	18 —					
		0	5 6	19 —					
			6	20					
				20—					
				21 —				BOTTOM OF HOLE (@ 20'
				22 —					

	PRO	ECT NO:	WA255-3	1515_1		CLIEN	JT.	ConocoPhillips	BORING/WELL NO: MW-205
		BED BY:	J. North	.5151			TION:	600 Westlake Ave N, Seatt	
			CDI				DRILLE		Location Map
Delta		.L.v. .ING METHOD:					DIAMET		Location Map
してに		LING METHOD							
							DEPTH		Soo Figure 2
Environment	iai	NG TYPE:	PVC				. DIAMET		See Figure 2
Consultants, I	ınc. I	SIZE:	0.010"				DEPTH:		
	GRAN	'EL PACK:	2-12		NODI		NG STIC		-
		ELEVATION 28.08	ON		NORT			EASTING 1269335.2	
			Τ_	+	2317			1209333.2	
Well Completion St	tatic g	Content PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sa	mple	Soil Type		
	tatic Working	me Sea pm	etra ws/	h (f	ery	ā	È	LITH	OLOGY / DESCRIPTION
Backfill Casing	evel	3 5 0	ene	ebt	Recovery	Interval	Soil		
		<u> </u>	ر ق	Ď	Re	드	0,		
Conc								Concrete (20") sidewa	alk
ട്				1 1-					
				1 '					
	7			2-				Air-knifed/vac-	cleared to 5'
Bentonite				-					
80				3 –					
				3-					
				1					
				4-					
				_					
			4	5 –			ML	Sandy SILT; gray-bro	own, fine to coarse sand, with fine to
\square	\subseteq W ϵ	et 0	3						wood fragments, loose, wet
			4	6-					
НП				7				(As above, with	h gravel)
\Box	We	et 300	1						y silty sand at 7.75')
			1 1	7				<u> </u>	,
\Box			5	8-			SM	Silty SAND; gray, with	h fine to coarse gravel, trace clay,
	Moi	st 850	6					loose, moist	<u> </u>
			10	9-				·	
H = 1				5 10	-			(As above)	
-	Moi	st 1,150	1					,	
			1	5					
SAND			8	~ 11 <i>-</i>				(As above, with	h wood fragments)
	We	t 13	3	1.0				,	,
<i>"</i> -			3	12 –				(As above)	
H = 1			2	0	-			(**************************************	
	We	et 47		4 13 -					
	'''	` ''		5				(As above)	
			12	ا 14 –				(10 00010)	
		2.5	9					SAND: fine to coarse	, with trace silt and fine gravel
H = 1			14	15 –			SW	Si ii VD i iii o to occirco	, was trace out and mie graver
H = H				4 46	-			(As above)	
H = H		63		5 16 –				(/ 10 00000)	
H			2	٥Ι					
	We	st	14	^U 17 –				SAND: gray fine to m	nedium, trace silt, loose
\Box	"				_		SP	OAND, gray, fine to fi	icalam, trace sitt, loose
			21 23	18 –			٥,		
\blacksquare	We	. t		7 10			ML	Sandy SILT; dark gra	y fine loose wet
	""			ή 19 –	\dashv		IVIL	Januy Sier, dark gra	ıy, mie, ioose, wei
\blacksquare \blacksquare			1	9 19 - 5 20 -	+			-	
			1 '	³ 20 –	-			1	
\dashv					+	+		POTTOM OF HOLE	@ 20'
$\overline{}$				21 –		\vdash		BOTTOM OF HOLE	<u>w</u> 20
\dashv					+	+			
\rightarrow				22 –		\vdash			
			1					<u>l</u>	

	PROJEC1	T NO:	WA255-35	15 1		CLIEN	IT.	ConocoPhillips	BORING/WELL NO: MW-206
	LOGGED		J. North	10-1		LOCA.		600 Westlake Ave N, Seattl	
D 14	DRILLER:		CDI				DRILLEI		Location Map
Delta		B METHOD:					DIAMET		Location map
		IG METHOD					DEPTH:		
	CASING 1		PVC				DIAMET	-	See Figure 2
Environmental	ntal							See Figure 2	
Consultants, Inc.	GRAVEL		2-12				NG STIC		
	GIVAVEL	ELEVATION		1	NORTI		10 01101	EASTING	
		31.54	511		23142			1269226.9	
Well Completion			<u>د</u>	Ę.			4)		
Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		nple	Soil Type		0.00//.000.00.00
Water	oist	Readi (ppm)	letr ows	듩	ver	rva	Ë	LITH	OLOGY / DESCRIPTION
Backfill Casing	≥o	_ G (Per (b)	<u>Б</u>	Recovery	Interval	Š		
		- Ш	+	+	<u> </u>			Asphalt/Concrete (12"	<u></u>
Conc				-		\vdash		Aspirali/Concrete (12)
				1 —	+				
#				-		\vdash		Air-knifed/vac-o	cleared to 5'
Be ut				2-	+	$\vdash\vdash$		/ III KIIIICU/ VAC-C	550104 10 0
				-	+	\vdash			
				3 —	+	\vdash			
				-	+	\vdash			
				4 —	+	$\vdash \vdash$			
				-					
			50/6"	5 —			SM	Silty SAND: dark gray	, sand fine to medium, with fine to
	Moist	1.5	30/0	-			Olvi		ell fragments, dense, moist
	IVIOISE	1.5		6-				coarse graver and sine	nagments, dense, moist
\Box			15	.] -				(As above with	clay stringer, cobbles)
	Moist	5.4	23					(7 to above, with	r day armiger, cobbled)
	1010101	0.4	24						
			7	8 —			SM-CI	Silty SAND: fine to me	edium, with clay, dense, moist
	Moist	2.3	14	-			OW-OL	Only Grand, fine to fine	salam, with day, dense, molet
	10101	2.0	26	9 —					
			12	, -				(As above, poo	r recovery)
	Moist	8.1	10	10 —				(, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			10	· l					
SAND	Wet		23	11—				(As above, wet)
ž H I		7.4	11					,	,
<i>"</i> -			12	12 —					
			5	; <u> </u>				(As above)	
	Wet	8	4					,	
			4				/		
			6	14 —			SP	SAND; brown, fine to	medium, with wood fragments
	Wet	56	10	15					
			18	15 —			/	PEAT; dark brown, wi	th wood fragments, thin silty sand
			9				PT	lenses, very stiff	
	Wet	6.2	13	16—					
			21	17 —					
			30	'' -				(Poor recovery,	, wood debris and peat)
	Wet	4.9	50/6"	18—					
				'0					
				19 —					
	Wet			19—					
				20—				Wood and Peat; dark	reddish-brown, wet
				20					
				21 —				BOTTOM OF HOLE (@ 20'
				21 —					
\neg				22					
			1	22 —	\neg				

	PROJECT	F NO:	WA255-35	15 1		CLIEN	т.	ConocoPhillips	BORING/WELL NO: MW-207
	LOGGED		J. North	10-1		LOCAT		600 Westlake Ave N, Seattl	
	DRILLER:		CDI				DRILLEI		Location Map
Delta		METHOD:					DIAMET		Ecodion Map
Della		G METHOD:					DEPTH:		
	CASING 1		PVC				DIAMET		See Figure 2
Environmental	SLOT SIZ		0.010"				DEPTH:		Gee rigare 2
Consultants, Inc.	GRAVEL		2-12				G STIC		
	OT THE P	ELEVATION			NORTH		0 0 1101	EASTING	
		30.65			23138			1269623.7	
Well Completion		PID Reading (ppm)	ri (et)	San		a		
Static	Moisture Content	adi m)	Penetration (blows/6")	Depth (feet)			Soil Type		01.007/550055501
Water	ois	Re ppl	netr ow	oth)ver	Z	Ë	LITH	OLOGY / DESCRIPTION
Backfill Casing Casing Casing	≥ 0	Olc.	Pel (bl	Del	Recovery	Interval	ŏ		
					+-			Asphalt/Concrete (14"	')
Conc				_					/
				1 —					
						\Box		Air-knifed/vac-c	cleared to 5'
Bent.				2—	\top	\Box			
				_	\top				
) —		\Box			
				_	\Box				
				4					
				5					
			8				SP-SM	SAND; gray, fine to m	edium, trace silt, loose, moist
	Moist	11.5	8	6					
			13	0—					
			6	7				(As above)	
	Moist	7.6	8						
			10	8					
			10	_				(As above)	
	Moist	9.3	15	9 —					
			18	-				(A = a b = v =)	
	Moist	2.2	7 11	10 —				(As above)	
\blacksquare \exists \exists \exists	IVIOISI	2.2	16	-					
			12	11 —				(As above, wet	1
SAND	Wet	0	14	-				(A3 above, wet)
	'''	Ü	20	12 —					
			20	-				(As above)	
	Wet	0	29	13 —				(1.00.0010)	
			30	-					
			5	14 —	П			(As above, grad	des to peat and wood debris at 14.75')
	Wet	0	19	15 —			/		
			32				PT/	Peat and wood debris	
			8	16 —			Wood		
	Wet	0	50/6"	.0				(Large wood de	
				17 —	ш			Wood fragments; loos	
			50/3"	_				(As above, with	trace sand and fine gravel, loose)
	Wet	0		18 —	\perp				
			F0/0"	_				M	
— —	ا , , ,	_	50/2"	19 —				Wood debris and Silt;	poor recovery
	Wet	0		_	+				
				20 —	+				
\vdash				-	+			POTTOM OF HOLE	a 201
				21 —	+	\dashv		BOTTOM OF HOLE (<u>w</u> 20°
				-	+	-			
				22 —	+	\dashv			

	DBO IECT	T NO:	WA255-35	15 1		CLIEN	IT.	CanacaPhilling	DODINGAMELL NO. MW 200
	PROJECT LOGGED		J. North	10-1		CLIEN	II: .TION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: MW-208 le, WA PAGE 1 OF 1
	DRILLER:		CDI				DRILLEI		Location Map
		METHOD:					DIAMET		Ecodion map
Dona		G METHOD:					DEPTH:		
	CASING 1		PVC				DIAMET		See Figure 2
Environmental	SLOT SIZE. 0.040" WELL DEPTH. 20"								
Consultants, Inc.	GRAVEL		2-12				NG STIC		
		ELEVATIO	ON		NORT	HING		EASTING	
		30.28	•		23146	64.4		1269312.1	
Well Completion Static	e ⊭	PID Reading (ppm)	Penetration (blows/6")	et)	Sar	mple	96		
	Moisture Content	Readi (ppm)	trat vs/6	Depth (feet)			Soil Type	LITH	OLOGY / DESCRIPTION
Backfill Casing Casing Casing	S M	D Р.	ene	ebtl	Recovery	Interval	Soil		
ğ Ö		Ы	۵)	ă	Re	드	0,		
Conc								Asphalt/Concrete (14'	")
				1—					
					+			Air Ispifod/soo	alogned to E!
Bent:				2—	-	\vdash		Air-knifed/vac-d	มิยิสเซน เบ จ
				'	+				
				3 —					
					\top	М			
				4 —					
				-					
			6	5-			SM	Silty SAND; blue-gray	r, fine to coarse sand, with fine
	Moist	11.2	6	6_				gravel, dense, stiff, m	oist
			12	1 0—					
			5	il 7_					
	Moist	17.2	5						
			5	8—			SP-SM		medium sand, trace fine to medium
	Moist	44.7	5		_			gravel, loose, moist	
	IVIOISI	44.7	6	9 —				(As above, grad	des no gravel)
			6	:				(A3 above, grav	acs no gravery
	Moist	2,000	10	10-				Wood fragments; dark	k brown, loose, moist
		,	14	. '			Wood		, ,
			10	11—					
SAND	Moist	770	12	12 —					
			15	1 .				(Wood debris v	vith 2" silt stringer)
			16						
		42.5	29					DEAT: :	
	Wet		7	14 —			PT		gers, loose, moist to wet
	Wet	1.9	8 20					(As above, With	n wood fragments)
	VVEL	(1.9	13	15 —					
		22.3	50/6"	· '					
	Wet		35,5	16—			Wood	Wood	
				, -					
				17—				(Drilling through	h wood, unable to sample)
	Wet			18 —					
				Ι.					
	Wet	7.3	8				PT	PEAT; dark reddish-b	rown, with wood fragments, dense
			16	il .					
			16	20 —					
-] .	+			DOTTOM OF US	⇒ 20I
				21 —	+			BOTTOM OF HOLE (@ 20"
 					+				
				22 —	-	\vdash			

			PROJECT	T NO:	WA255-3	3515_1	CLIEI	NIT:	ConocoPhillips	BORING/WELL NO: SB-23
			LOGGED		M. Smith			ATION:	600 Westlake Ave N, Seatt	
۱,		14	DRILLER			Drilling, Inc.		E DRILLE	·	Location Map
IJ	Del	† 2		METHOD:				E DIAMET		
	ノし	10		IG METHOD:				E DEPTH		
			CASING T		NA			_ DIAMET		See Figure 2
	Environm		SLOT SIZ		NA			_ DEPTH		occ riguic 2
С	onsultan	ts, Inc.	GRAVEL		NA			NG STIC		
				ELEVATIO		NO	RTHING		EASTING	
				31.1	•		1509.3		1269291.0	
Well	Completion			бL	<u> </u>			-		
		Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	ι Ψ	Sample	Soil Type		
Backfill	Casing	Water	onte	Reg	etra	ŧ	Kecovery	<u>=</u>	LITH	OLOGY / DESCRIPTION
Sac	Cas	Level	žΰ	و `	Ре (Б/С)eb	eco	So		
_				<u>г</u>			~ 		Asphalt/Concrete (~1	211/
Conc.	- 4					<u> </u>		-	Asphalt/Concrete (~1.	2)
ē						1—		ł		
	_					 		ł	Air-knifed/vac-o	Joanna to El
						2-		-	Air-kniieu/vac-c	ileared to 5
	-					+	+	1		
						3—	-	1		
						+	+	1		
						4		-		
						+	-	1		
						5		SP	CAND, selt 9 nonner	fine to modium
				_	6	-		I SP	SAND; salt & pepper,	line to medium
				0	6 7	6	-	ł		
					₇ ′	-	-	ł	(As above)	
				0	6	7		ł	(As above)	
				U	7	-		ł		
					15	8		1	(As above)	
				0	7	-	_		(As above)	
				U	7	9	_		(Grades to fine	1
18					8	-	_		(Grades to fine)
		∇		0	5	10	_	ł		
TONITE			Wet	Ŭ	5	_			(As above, incr	easing clay)
			""		4	11-	_	1	(7 to diseve) men	odening diay)
BEN				0	4	_	_	1		
					4	12		1		
			Moist		50/6"	+		l	(Sand as above	e. moist)
				0]	13			,541.60	.,
				_				1	(Wood plua in I	oottom of sampler)
					10	14			(11222 plug III)	1552.5
				0	10			Wood	Wood chips	
					10			1	,	
					15			<u> </u>	SAND; as above with	wood chips
				0	20	16—		SP		
					22	17				
			Sat		9				(As above, grad	des brown, saturated)
				0	9					
					12	10				
			Sat			19				
				0						
						20		sc	SAND and CLAY; sar	d brown and fine
						21]	BOTTOM OF HOLE (@ 20'
								1		
						22]		
					I .			1	i .	

		PROJEC [*]	T NO:	WA255-3	3515-1	CLIE	NT·	ConocoPhillips	BORING/WELL NO: SB-24
		LOGGED		M. Smith			ATION:	600 Westlake Ave N, Seat	
	14	DRILLER			Drilling, Inc		DRILLE		Location Map
De	Ita.	DRILLING	METHOD:		0.		DIAME	TER: 8.5"	·
	ILC		IG METHOD:				DEPTH		
l		CASING	TYPE:	NA			_ DIAMET		See Figure 2
Environr		SLOT SIZ		NA			DEPTH		
Consultar	nts, Inc.	GRAVEL		NA			NG STIC		
			ELEVATIO	N	NC	RTHING		EASTING	1
Well Completion	Ctatio	e t	PID Reading (ppm)	Penetration (blows/6")	et)	Sample	e		
≡ Ø	Static Water	Moisture Content	ead om)	trati /s/6	ΙΨ	-	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Level	Aois Sor Jo	, Р. С. Р. Р. С. Р. Р. С. Р. С. Р. С. Р. С. Р. Р. С. Р. Р. С. Р. Р. С. Р. Р. С. Р. Р. Р. С. Р. Р. Р. С. Р.	l sue	bt	Recovery	<u>iō</u>		OLOGI / BESCIAII TION
C B	200	= 0	⊟∃	A 3	ا قا	Rec	0)		
5								Asphalt/Concrete (~1	2")
Conne					₁				
-	1								
	1				2			Air-knifed/vac-	cleared to 5'
					ı ¯ ↓				
					3—				
	1				→				
	-				4 —				
_	-				→				
	-			_	5		^_	CAND	Charles to manufacture with a set of the second
<i>-</i>	-	Moist		3	4	_	SP	SAND; brown to gray	, fine to medium, with pebbles, moist
	-		0	3	6		ł		
_	-	14-:-4		_	-			(Ac chave)	
	-	Moist	_	2	7-	_	ł	(As above)	
_	-		0	2	+		ł		
	-			1	8 —		1	SAND; gray, fine, with	h increasing clay
_	1		0		1 +	_	ł	JAND, gray, line, with	in increasing clay
	1			3	9-		ł		
ш —		Moist		2	_		1	SAND; gray to tan, fir	ne to medium, moist
TONITA E			2,000	3	10		1	or 12 , gray to tarr,	
5	∇		_,	3	l 🕇		1	(As above, gra	ides to salt & pepper)
2		Wet		3	11—		1	(As above, bro	
BEN -			860	3			1	,	
				4			1		
				3	13]		
			140	3	13				
]			5	14]		h wood fragments)
	_			3				SAND, salt & pepper	, fine, angular
	1		144	3	15				
_	1			6	˙´				
	1	Sat	_	3	16			(As above, fine	e to medium, saturated)
_	-		64	6	l				
	-			9	17			/	
_	-			2				(As above, with	h wood fragments)
	-		0	4			ł		
_	-			4	→		-	(Aa ah)	
	-		_	4	19		-	(As above)	
	-		0	6	-		-		
<i></i>	-			10	20		 	-	
-	-				+		1	BOTTOM OF HOLE	@ 20'
	1				21 —	+	1	POLICIMI OF HOLE	<u>w</u> 20
- I	1				_ +	+	1		
I —	1				22	_	1		
	1	I	I	I				ı	

				11/1 055	25.45.4			_	O DI III				
		PROJEC [*]		WA255-3			CLIEN		ConocoPhillips 600 Westlake Ave N, Seattle	BORING/WELL NO: SB-25			
l _		LOGGED DRILLER			e Drilling, I	no		ATION: DRILLEI	Г	e, WA PAGE 1 OF 1 Location Map			
	elta		G METHOD:		: Drilling, i	110.		DIAMET		Location wap			
	ila		IG METHOD:					DEPTH:					
		CASING		NA				. DIAMET		See Figure 2			
	nmental	SLOT SIZ		NA				DEPTH:		3			
Consult	ants, Inc.	GRAVEL		NA				NG STICI					
			ELEVATIO	V	١	ORT	THING		EASTING				
	_		30.3	ı		2316	38.6	ı	1269294.0				
Well Completic	Static	e +	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sai	mple	e e					
≣ 6	Water	Moisture Content	Reac	etral ws/	h (fe	ery	la/	Soil Type	LITHO	OLOGY / DESCRIPTION			
Backfill	Level	မွ ပိ	를 입 명 영	ene (blo	ept	Recovery	Interva	Soil					
			<u>-</u>	ь.	Δ	凇	_=		A 1 11/0 1 / 10	NII)			
Conne	-4				_				Asphalt/Concrete (~18	3")			
8 –	-				1 —			ļ					
	-				_				Air-knifed/vac-c	leared to 5'			
					2	1			7 til 10 mcu/ vac-c				
						t							
					3 —			1					
					1 4-								
	_				-								
	_	_			5 —								
	_	Dry		1	_			SW	SAND; gray, coarse to	fine			
	\dashv		1.2	1	6 —			ļ					
	\dashv			3	-			l	(As above)				
	\dashv		1.0	2	7 —				(As above)				
	\dashv		1.0	1									
	\neg	Moist		3	8 —								
			0.7	1				1					
				2	9			ML	Silty CLAY; gray, with	pebbles			
<u> </u>				3	10								
ONITE			0.6	3	_				(A				
		Wet		2	11			ļ	(As above)				
BENI	-	vvet	0.8	2	_			SM	Silty SAND; coarse to	fine with silt			
	-		0.0		12 —			JIVI	Only OAND, coarse to	mie, with sit			
				l ₁ '					(As above with	2" cobble)			
	┑	Moist	0.5	2	13 —			1	,	,			
				2				ML	(As above, incre	eased silt)			
		Sat		2	'4								
	_		1.0	2 2 2	15								
	\dashv			[, ²	-			SM	SAND; gray, medium	to tine, with silt			
	\dashv	Sat	0.5	4	16 —								
	\dashv		0.5	2 3	-				(As above, few	aravels)			
	\dashv	Sat		1	17 ——				(As above, lew	gi aveioj			
	\dashv		0.6	1									
				2	18 —			1	(As above, woo	d debris, some gravel)			
		Sat		11	19 —				·				
			0.8	12	=								
	_			12	20—			Wood	Wood				
	_					_			DOTTOM CT HOLT	2 001			
-	\dashv				21 —	-			BOTTOM OF HOLE @	בע עני			
	-				-	\vdash							
	\dashv				22 —								
		I	I			1	I	I	I				

			Innounc	T. 110	14/4055	0545.4		OL IEI		O Di-III	Inophyowell No. on on	
			PROJECT LOGGED		WA255- B. Pletc			CLIEN	NT: ATION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: SB-26 le, WA PAGE 1 OF 1	
		1.4	DRILLER			ner e Drilling,	Inc		TION: DRILLE	,	Location Map	
)el	ta		METHOD:		o Drilling,			E DIAMET		<u> 2004аон мар</u>	
	ノ	la		IG METHOD:					DEPTH:			
	_		CASING T		NA NA				_ DIAMET		See Figure 2	
	nvironn		SLOT SIZ		NA				DEPTH:			
Co	nsultan	ts, Inc.	GRAVEL		NA				NG STICI			
				ELEVATIO	N		NORT	HING		EASTING		
<u></u>			<u> </u>	29.9		<u> </u>	2316	96.1	ı	1269295.1		
Well C	Completion	Static	e ±	PID Reading (ppm)	ion (")	Depth (feet)	Sai	mple) e			
=	D)	Water	Moisture Content	eac om)	Penetration (blows/6")	(fe	2	.	Soil Type	LITH	OLOGY / DESCRIPTION	
Backfill	Casing	Level	Moi Cor	D R G	ene blo	ltde	Recovery	Interval	Soil		31331, B1331, H311	
ä	Ü		_	Ы	g =	ă	Re	=	0)			
<u>u</u>	Pl g 1					_				Asphalt/Concret (18")		
Conc	_					1 —						
mann	-					-	1	_		A to 1 or 10 - 17	January to El	
						2-	-	_	-	Air-knifed/vac-d	cleared to 5°	
	0_2					-	+	_	-			
	\rightarrow					3 —	+	_	1			
	_					-						
						4 —	+	1	1			
							+			<u> </u>		
			Moist		1	5 —			SM	Silty SAND; greenish-	gray, fine	
				0.5	4	. -				grading of many gradinant	g. a.y,	
					5		-		1	(As above, 2" o	obble)	
					4				1	, ,	,	
				1.9	2	'-			1	(As above, woo	od debris)	
					3	8_						
			Moist		1	-			ML	Clayey SILT; gray-gre	en	
				1.5	2	9		_				
] 2	- '		_				
H	_		A 4 - 1 - 4	0.7		10 —		-				
ONITE			Moist	6.7]1	-			-			
	-	V	Wet			, 11 —			-			
BEN	0.7		VVEL	1.7	1 2	-			1			
				'./	'	I 12 —			SM	Silty SAND; coarse to	fine	
			Sat		2 '	-			5,71	only of the total se to		
				1.0	2	13 —			1			
					2				ML	Clayey SILT; green-g	ray, with wood debris	
			Sat		2	14			1			
				1.0	1	15—			SW		to fine, some silt, with rounded	
					1	'3				pebbles		
					1	16—						
				1.1	1							
					1	17 —				(As above, with	1" rounded gravel)	
				2 -	1 1	l _						
				0.5	1	I 18 —						
	-				1	-						
				4.0	3	19 —			ŀ	/A = =b '0'	some wood debele	
			Cat	1.6	4	-			-	(As above, with	some wood debris)	
			Sat			20 —			-	-		
	\dashv					-	+	_	1	BOTTOM OF HOLE (<u> </u>	
						21 —	+		1	POLITONI OL HOLE (<u>u</u> 20	
	_					-	+	t	1			
						22 —	\top	t	1			
					1	1				l		

		Innounce	T.N.O.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0545.4		01.151		O Divilling	In a publication of the property of the proper
		PROJECT LOGGED		WA255-3			CLIEN	NT: ATION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: SB-27/MW-83 tle, WA PAGE 1 OF 1
 	4	DRILLER		CDI	ICI			TION: DRILLE	,	Location Map
Del	ta		B METHOD:					E DIAMET		Location wap
	la		IG METHOD:					DEPTH:		
		CASING T		PVC				_ DLI TTI		See Figure 2
Environm		SLOT SIZ		0.010"				DEPTH:		J Goo'r Igaro 2
Consultant	ts, Inc.	GRAVEL		2-12		CASING STICK				
			ELEVATIO	N		NORT	THING		EASTING	1
			23.63			2316	68.2		1269390.9	
Well Completion	Otatio	е -	PID Reading (ppm)	Penetration (blows/6")	et)	Sa	mple	ø		
≡ o	Static Water	Moisture Content	eac	trati vs/6	Depth (feet)		-	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Level	Mois	O R (pr	ene.) http://	Recovery	nterva	io		OLOGI / BEGOMI HON
ကို ပိ		_	Ы	g =	۵	Re	<u>=</u>	0)		
Come									Concrete (8")	
					l 1—					
Bent						+	1			
					2—	+	1		Air-knifed/vac-	cleared to 5'
						+	₩	-		
					3 —	-		-		
						+	+-	1		
H = H					4 —	+	1	1		
H - H					_	+	1		<u> </u>	
		Wet		2	5 —			SM	Silty SAND: grav. me	dium to fine sand, 20% silt,
		,,,,,	860	1					few gravels	
				1	6-			1		
		Wet		2	7			1		
	$\overline{}$		705	2 2	'-					
	abla			6	8 —					
		Sat		3			Н.	SW-SM		
			20	4	9 —				/	
		Sat		3					(As above, with	n wood debris)
		Sai	11	8 5				\Wood	Wood with coarse to	fine sand, poor recovery
9 -			''	3		+		Wood	Wood Will coarse to	mile sand, poor recovery
SAN		Sat		2	11 —			1		
			62	1	1.0			1	(As above, incr	reasing wood, poor recovery)
				1	12—			1		
		Sat		3	13—			<u> </u>		
			10	5				ML	Clayey SILT; green, f	ew pebbles, with wood debris, soft
				4	14 —					
		Sat	4.0	2	'					
			13	2	15 —				/A = -!>	
\square				2				-	(As above)	
\square \vdash \vdash			3.5	2 2 1	16 —			1		
			0.0	1	l .			1	(As above)	
H = H				l ₁ '	17 —	+		1	(, 10 00000)	
			3.0	3				1	(As above, no	wood debris)
		Wet		4	18 —			1		vith fine sand, stiff, wet
				2 6	19—					
		Sat	0.5	6	'9			SM	Silty SAND; gray, me	dium to fine
				6	20 —	\perp				
Ⅰ						\bot	_		DOTTO: -	0.001
					21 —	+	-		BOTTOM OF HOLE	@ 20.
-						+	-	-		
-					22 —	+	+	1		
							1			

		PROJEC [*]	T NO:	WA255-3	3515_1	C	LIENT:	ConocoPhillips	BORING/WELL NO: SB-28	
		LOGGED		M. Smith			OCATION:	600 Westlake Ave N, Seattle,		
	14	DRILLER			Drilling, Ir		ATE DRILLE		ecation Map	
De	ltつ		METHOD:		. <i></i>		OLE DIAME		остол тар	
	ILA		IG METHOD:				OLE DIAME OLE DEPTH			
								-	Soo Figure 2	
Environn		CASING		NA			ELL DIAME		See Figure 2	
Consultan	ıts, Inc.	SLOT SIZ		NA			ELL DEPTH			
		GRAVEL	PACK: ELEVATION	NA	l ki	IORTHI	ASING STIC	CKUP: NA EASTING		
I			24.6	V		231816		1269534.5		
Well Completion		1		ر ا				1269534.5		
	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Samp				
Backfill	Water	nistı onte	Res	etra) (Recovery	Interval appropriate Soil Type	LITHO	LOGY / DESCRIPTION	
asi	Level	ğö	ق ق	per (plc)ebi	900	Soi			
				ш		Ř	=	((011)		
Соле					_	\vdash	_	Concrete (6")		
[8] —	-				1 —	\vdash	_			
					_	\vdash	\dashv	A ! 1 ! £ 17		
					2	\vdash	_	Air-knifed/vac-cle	eared to 5	
_					_	\vdash	\dashv			
	-				3	\vdash	\dashv			
	1				_	\vdash	_			
	-				4	\vdash	_			
					_	$\vdash \vdash$	\dashv			
				_	5 —		_			
			*	2 2 3	_			0 11 0 11 15		
			_ ^	2	6		SP	Gravelly SAND; gray		
_					_					
		Wet		2	7			(1)		
				3	_			(As above, wet)		
				6	8			OAND II I II III		
<i></i>	-			2 2	_				sheen, may be inorganic, more	
	-			4	9 ——			metallic		
				l	_			CAND, gray to palt 9 no	Annow	
TONITE	∇			2	10			SAND; gray to salt & pe	eppei	
8 -				4	-					
				l ⁴ ,	11 ——			(As above)		
BEN -					_			(As above)		
	1				12 —					
	1			l₁ '	-			SAND; gray, fine to med	dium	
	1			l <u>'</u>	13 ——			SAIND, gray, line to med	шин	
	1			2	-					
	1			9	14			SAND; salt & pepper, fir	ne	
	1			12				z z., sait a poppor, III		
	1			12	15 —			(As above with so	ome clay)	
	1			8	_			(7.10 00000 171111 00	ome day)	
	1			8	16 ——					
	1			7	l			(As above with sa	awdust)	
	1			9	17 ——			SAND; salt & pepper, fir		
	1			11				,		
	1			14	18 ——					
	1			10	_			(As above. <20%	wood fragments)	
	1			7	19 ——			, , , , , , , , , , , , , , , , , , , ,	,	
	1			7						
	1				20—					
I –	1						\neg	BOTTOM OF HOLE @	20'	
	1				21 ——		\neg			
1 -	1				22			* PID malfunctioned		
	1				22 —		╗			
								•		

			I :		14/4 055	0545.4				O DUIL	
			PROJEC [*]		WA255-	3515-1 n/L.Brock		CLIEN		ConocoPhillips	BORING/WELL NO: SB-29
Ι_			LOGGED						TION:	600 Westlake Ave N, Seatt	
ΙГ)e	lta	DRILLER	: G METHOD:		Drilling, I	nc.		DRILLE		Location Map
ļL	ノロ	Ila		IG METHOD:					DIAMET		
			CASING :		NA				DEPTH:		See Figure 2
	nvironn		SLOT SIZ		NA				. DIAMET . DEPTH:		See rigule 2
Co	nsultan	ıts, Inc.	GRAVEL		NA				NG STICI		
				ELEVATIO			IORT	THING		EASTING	
				24.2			2317			1269535.1	
Well C	Completion	30-0	0	PID Reading (ppm)	۲. (-	et)	Sai	mple	(I)		
1	-	Static	Moisture Content	m)	Penetration (blows/6")	Depth (feet)		-	Soil Type		OLOGY / DECODIDATION
Backfill	Casing	Water Level	lois Son	Re (pp	neti low	pth	Recovery	Interval) io	LIIA	OLOGY / DESCRIPTION
Ba	Ca	Level	20		Pe e	De	Şec	Inte	Ň		
										Concrete (6")	
Conc							1			()	
ق						1					
						2	Î			Air-knifed/vac-	cleared to 5'
						3 —					
						4 —					
							<u> </u>	ļ			
						5 —					
					2 2	_			SP	SAND; gray to black,	fine, with clay and pebbles
				945	2	6					
					9	–				/A = = = = = = = = = = = = = = = = = = =	:_4\
			Moist	574	2 3	7 —				(As above, mo	ist)
				374	4	-					
			Sat		8	8 —					
		abla	Jai	8.8	8				GP	GRAVEL: with wood t	fragments and concrete, saturated
				0.0	9	9			0.	Grattel, with wood	
ш					14	_					
ONITE				8.0	9	10 —			SP	SAND; with wood frag	gments
ō					7						
BENT					9	11	Î				
ä				5.3	9				Wood	Sawdust and wood fra	agments
					12	'^ _					
					3	13				(As above)	
				7.4	6	-					
					6	14	_			/	
				2.0	4	-				(As above)	
				2.0	4 13	15 —					
						-				(As above)	
				2.6	3 4	16 —				(As above)	
				2.0	6	-					
					[17 ——				(No recovery	sampler stuck in augers)
							\vdash			(140 1000 voly, s	sampler etaok in augulo)
						18 —					
					4					Sawdust	
				3.3	4	19 —					
					10	20			SP	SAND (2" thick); gray	, fine
						20—					
						21 —				BOTTOM OF HOLE	@ 20'
	_										
1						22 —					

			I		11/1055	0545.4			_	0 80.00	I			
			PROJECT		WA255-			CLIE		ConocoPhillips	BORING/WELL NO: SB-30			
l _			LOGGED		B. Pletc		I		ATION:	600 Westlake Ave N, Seatt	,			
ΙГ	Del	t-0	DRILLER			e Drilling,	inc.		DRILLE		Location Map			
	ノロ	la		METHOD:					DIAMET					
				IG METHOD:					DEPTH		Coo Firming 2			
E	Environm	nental	CASING .		NA				_ DIAME1		See Figure 2			
Co	onsultan	ts, Inc.	SLOT SIZ		NA				DEPTH					
			GRAVEL	ELEVATIO	NA	1	NORT		NG STIC	KUP: NA EASTING				
				23.8	IN		2316			1269409.7				
Mall	Completion				Ι -	<u> </u>				1203403.1				
vveir	Completion	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	/be					
Backfill	Casing	Water	ist.	Zes opm	etra ws,	(±)	Recovery	Interval	Soil Type	LITH	OLOGY / DESCRIPTION			
ac	as	Level	ഉ്		(blc)ebi	000	nter	Soi					
-	O	_		۵	Г.		Ř			0 ((011)				
Conc.	- 4					-				Concrete (6")				
ā	_					1 —	+							
www.	_					-			ļ	A in Lucifical/cons	de anad ta El			
						2—			ļ	Air-knifed/vac-	cleared to 5°			
	_					1 -	+	-						
						3 —	+	-						
						1 -	+	-						
	—					4 —	+	-						
						1 -	+	1	_					
			14-:-4		_ ا	5—				Canaly CH Typerage by	over fine and with word debrie			
	\parallel		Moist	2 000	3	<u>-</u>			ML	Sandy SILT; green-br	own, fine sand, with wood debris			
				2,000	2	6—			-					
			Moist		1_	-			SM	Cilty CAND: dork brow	vn, coarse to fine sand, with			
			IVIOISI	0.9	3	7 —	+		Sivi	wood debris	wit, coarse to line sand, with			
				0.9	2	-	+		ł	wood deblis				
			Moist		1	8—	-		ł					
			IVIOISE	0	3	-			ł					
		\sum			2	S 9—	+		1	(As above)				
313			Wet		5	·			1	(/10 0000)				
			'''	0	4	10 —			i					
ONITE					4	 			Wood	Wood				
			Sat		5	5 11 —								
BENI				392	4	ıl "			1	(Poor recovery	wood debris)			
					3				1		•			
			Sat		3	-			1					
				0	2	13 —			1					
					2	11			1	(Poor recovery	, wood debris)			
					2	2 14 —]		·			
										(No recovery, s	ome wood)			
					2	2 'J								
			Sat		1	16—								
				0	1	'\				Sawdust				
					1	17—								
					4	ŀ	4							
					2	18—	_							
					2	- [\perp			0.00				
			Sat	• •		19 —			SM	Silty SAND; gray, med	dium to fine, 30-40% silt			
				2.9	1] .			l					
					3	20—								
	\dashv					1 .	+	1		DOTTO: OF	0.001			
	-					21 —	+			BOTTOM OF HOLE	<u>@</u> 20'			
1	\dashv					1 -	+	1	1					
						22 —	+	-	-					
						1								

			Inno Inno	- NO	WA255-	0545.4				ConocoPhillips		Inophicavity No. op or			
			PROJECT LOGGED			ວວ ເວ- ເ on/B.Hoger		CLIEN		600 Westlake Ave N, Seatt	ام ۱۸۷۵	BORING/WELL NO: SB-31 PAGE 1 OF 1			
_	_	1.4	DRILLER:			e Drilling, In			DRILLEI	•	Location Map	PAGE 1 OF 1			
	Del	lt a		B METHOD:		ייים א ming, III			DRILLE		Location Map				
4	ノロ	la		G METHOD:					DEPTH:						
			CASING 1		NA							See Figure 2			
	Environm	nental	SLOT SIZ		NA				. DIAMET . DEPTH:			See Figure 2			
C	onsultan	ts, Inc.	GRAVEL		NA				NG STICI						
				ELEVATIO		l N	ORTH			EASTING					
J _			'	29.1			231777			1269301.1					
Well	Completion	-			۵ ـ	1				<u> </u>					
-		Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sam		Soil Type						
Ę.	gui	Water	oist	Re	netr	Ę.	ver	rva	<u> </u>	LITH	OLOGY	/ DESCRIPTION			
Backfill	Casing	Level	ΣO	ار ()	Pe (b	Jec	Recovery	Interval	Sc						
				ш		_	IE I			Concrete (8")					
Conc	-					-		\dashv		Concrete (o)					
8						1 —									
								\dashv		Air-knife/vac-cl	eared to 5	1			
						2	$\vdash \!$	\dashv							
								\neg							
						3		\neg							
							\Box								
						4									
						5									
			Damp		2	3—			CL	Silty CLAY; gray mott	led with so	ome brown, 5-10% sand,			
				11.0	3					few rounded pebbles,	firm, dam	р			
					4	0—_									
					3	7									
			Damp	11.8	3	l ' _			SC	Clayey SAND; gray, r	nedium sa	ınd, firm, damp			
					3	8									
111					1	_									
	//			12.7	1	· u—									
ō					3	_									
BENTONITE	_		14-1-4	44.0	2	10		_	014	O'H. OAND.	.P				
80	_	$\overline{}$	Moist	11.6	1	_		_	SM	Silty SAND; gray, med	aium to co	arse, soit			
		V	Sat		2	11									
	-		Sal	11.9	1 1	_		-							
				11.3	'	12			Mood	Wood chips					
					1	-				Silty SAND; gray, me	dium to co	arse soft			
				12.6	4	13 ——			JIVI	Only Ordivo, gray, med	aiuiii 10 60	aroo, oon			
				12.0	4										
					l	14 ——				(As above, with	some wo	od chips)			
				10.3	1	_				() 13 3.23 (G) WIII					
				_	1	15 ——									
					2	16									
				10.6	3	16——									
			Sat		4	₁₇			GP	Poorly-Graded GRAV	EL with Sa	and; gray, soft, fine gravel			
					5										
					5	10									
Ω					9	10									
SAND					11	19—			GW	Well-Graded GRAVE					
S					7	``				(Gravel up to 2	" diameter	•)			
					8	20—									
	-														
	_					21 —	igspace			BOTTOM OF HOLE	<u>@</u> 20'				
1								_							
1						22 —		_							

			PROJEC ⁻	T NO.	WA255-	2515 1		CLIEN	UT.	ConocoPhillips	BORING/WELL NO: SB-32
			LOGGED			-3313-1 son/B. H	naensoi			600 Westlake Ave N, Seatt	
		4	DRILLER			e Drilling	-		DRILLE		Location Map
11)		ta		METHOD:		3	,		E DIAMET		
	\mathbf{C}	LCI	SAMPLIN	IG METHOD:	SS			HOLE	DEPTH	: 20'	
Envi	ironm	nental	CASING -	TYPE:	NA			WELL	_ DIAMET	ΓER: NA	See Figure 2
		ts, Inc.	SLOT SIZ	Œ:	NA			WELL	DEPTH	: NA	
Cons	ullaiii	is, iiic.	GRAVEL		NA				NG STIC		
				ELEVATIO	N		NORT			EASTING	
Well Comp				24.0 50			2317		I	1269517.7	
1		Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	Soil Type		
Backfill		Water	oist	Re.	netra ows	Ę	Recovery	Interval	<u> </u>	LITH	OLOGY / DESCRIPTION
3ac Cas		Level	ΣÖ	()	Per (bi	Dep	Seco	Inte	တိ		
Conc				-			+ 15			Concrete (6")	
	-										
						1-]	Air-knifed/vac-	cleared to 5'
						2_					
						-					
						3 —	_	-			
	\dashv						+	1	-		
	\dashv					4 —	+	+	1		
	\dashv						+				
	\neg		Moist	1,216	6	5 –			SM	Silty SAND; gray, firm	n, damp, large wood debris
				,	6				1	7 7 7 7	, 1, 3
		\sum			8	3 0 -					
	-		Sat	94.0	2	7 —				(saturated, incr	reasing wood debris)
	\dashv				4			₩	ļ		
	-			105	2	8—			SW	Crovelly CAND: grov	some silt trace wood debrie soft
	\dashv			105	2	5			300	Gravelly SAND, gray,	some silt, trace wood debris, soft
311	-					9 —			ł		
复	P 1			35.7	3				1	(Poor recovery	due to rock in split-spoon)
<u>ē</u>					3	10 —				(Wood debris)	
BENTONITE	- 1				3	11—					
m	-			22.2	2	<u>'</u>		<u> </u>	Wood	Wood debris	
	_				2						
	-			21.9	4	H	-		ŀ		
	-			21.9	6 7	13 —			-		
	\dashv				9				ł	(As above)	
	\neg			17.9	7	, 14 —			1	(* 10 0.00 * 0)	
					7	/ 15—			1		
					8	3 13 —				(As above)	
	-			12.2	8	16—					
	\dashv				8					(A = ab)	
	-			8.8	8	17—			-	(As above)	
	\dashv			0.0	3	3			1		
	\dashv				11					(As above)	
	\dashv			13.9	6				1	()	
					9	19—			<u> </u>		
			Sat		16	20—			ML	SILT; gray, with some	e fine sand, firm
						20					
	\dashv					21 —	+	1		BOTTOM OF HOLE	@ 20'
	\dashv						+	1	-		
	_					22 —	+	+	1		
						1		1		<u> </u>	

			PROJEC ⁻	T NO:	10/02	255.3	3515-1		CLIEI	NIT:	ConocoPhillips	BORING/WELL NO: SB-33
			LOGGED				/L.Brock			NT: ATION:	600 Westlake Ave N, Seat	
l _			DRILLER				Drilling,	Inc		E DRILLE	•	Location Map
Ш	Del	ta		3 METHOD:			Drilling,	1110.		E DIAMET		Location Map
	ノロ	la		IG METHOD.						E DEPTH		
			Ī		NA							See Figure 2
E	Environm	nental	CASING		NA NA					_ DIAMET		See Figure 2
C	onsultant	ts, Inc.	SLOT SIZ							_ DEPTH: NG STIC		
				ELEVATIO	NA			NORT			KUP: NA EASTING	
				23.5	IN			2317			1269426.1	
Mall	Completion			<u>D</u>	_		<u></u>	T			1200-120.1	
	-	Static	Moisture Content	PID Reading (ppm)	Penetration	("9/	Depth (feet)		mple	Soil Type		
Backfill	Casing	Water	oisti onte	Rego	etra	SW(th (Recovery	Interva	🚊	LITH	OLOGY / DESCRIPTION
ac	as	Leve	≥ ర		le l)(p)	də	900	nter	Soi		
	O			۵	ш			~ ~			(011)	
Соле	11 44						_				Concrete (6")	
ą	_						1					
	_						_		-	ļ	Air looife dha e	de anada El
							2	-		4	Air-knifed/vac-	cleared to 5
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					1		4 —	4	₩			
					1		_	1	<u> </u>	1		
							5 —	_				
			Moist			1	_			CL	CLAY; gray, stiff, moi	st
				500		2 2	6					
						2	_			ļ		
			Moist		2		7 —			ļ	Silty CLAY; gray, moi	st
				300	5		_					
					7		8—			Wood	Wood fragments (3")	
			Sat	45.0		19	_	_			O'II OLAY	1.5
				15.6		7	9 —			CL	Silty CLAY; gray, woo	d fragments, saturated
					1,0	5	_		┢	10/	\\\\ \. \. \. \	
TONITE				45.4	42		10 —			vvooa	Wood fragments, coa	rse
8	_			15.4	8 10		_			ł		
					10	17	11 —				(As above)	
BEN	-					17 21	_				(AS above)	
""						23	12 —			ł		
	-				13	23	_			ł	(Ac abova)	
				15.6	19		13 —				(As above)	
				ס.טו	27		-			-		
					- '	12	14 —			ł	(As above, witl	sand)
				15.3		23	-			ł	(As above, with	i Sana)
				10.0		9	15 —	+		1		
					19	٥	_					
				11.3	22		16 —			//		
				11.5	16		-			ML	SILT; gray	
					110	4	17 —			l WIL	SIL1, gray	
				11.3		5	-			//		
				11.0		11	18 —			SP	SAND; salt & pepper	fine to medium
					6	' '	_			ای	onivo, sait & pepper	mic to medialii
				10.8	6		19 —			1		
				10.0	12		-			1	(As above bec	oming silty at 20')
					'		20—			 	(As above, bed	oming sitty at 20)
	\dashv						-	+	\vdash	1	BOTTOM OF HOLE	<u></u>
	-						21 —	+	\vdash	1	BOTTOWI OF HOLE	<u>u</u> 20
	\dashv						-	+	\vdash	1		
	-				1		22 —	+	\vdash	1		
					1							

			1		11/1055	05454			=	O DUIN	I			
			PROJEC.		WA255-		046=	CLIE		ConocoPhillips	BORING/WELL NO: SB-34			
1_			LOGGED		K. Johns		-			600 Westlake Ave N, Seat				
ΙГ	$) \sim $	10	DRILLER		Cascad	e Drilling	, Inc.		DRILLE		Location Map			
1 L)el	ld		METHOD:					E DIAMET					
I —		-	SAMPLIN	IG METHOD	: SS			HOLE	E DEPTH:	20'				
l	nvironm	nental	CASING '	TYPE:	NA			WEL	L DIAMET	TER: NA	See Figure 2			
	nsultan		SLOT SIZ	ZE:	NA			WEL	L DEPTH:	: NA				
	nsultan	is, inc.	GRAVEL	PACK:	NA			CASI	NG STICI	KUP: NA				
				ELEVATIO	N		NORT	HING	i	EASTING				
				23.0			2317	0.00		1269459.4				
Well C	ompletion	730-0	0	PID Reading (ppm)	۲. (-	et)	Sa	mple	d)					
50		Static	Moisture Content	adi n)	Penetration (blows/6")	Depth (feet)			Soil Type		01 007/ 050001071071			
Backfill	Casing	Water	ois	Re	ow	듩	Recovery	Interval		LIIH	OLOGY / DESCRIPTION			
Зас	ä	Level	≥o	Ö _	Per la	J &	Seco	Inte	Š					
	_			- Ш		┼──	<u> </u>	_		Concrete (7")				
Calle	100						_	-		Concrete (7)				
						1 —	_	-	-					
	-						_	-	4					
						2—	\bot	₩		Air-knifed/vac-	cleared to 5'			
	$ $						\bot	<u> </u>	4					
						3 —			_					
						1	$oldsymbol{\perp}$							
						4_	\perp							
]					
]	\bigvee				5—								
			Sat		1	5—			SC/SM	Clayey Silty SAND; fi	ne, soft, saturated			
				609	1				1					
					1	6-			1					
	П				1	_			SM	Silty SAND				
				942	4	7-			PT	PEAT and Wood deb	ris			
					6				1					
					6	8-			1					
	\vdash			507	7	·	_		//					
					6				Wood	Wood with brick debr	S .			
ш	1.0				l ₁		-		1	TTOGG WILLI BITOK GODI	-			
NTONITE					li i	10 —			1					
2					li i				1	Wood chips				
3	-				1	11—			1	VVOOd Criips				
13 8 8	-			10.3			+		ł					
				10.5	3	12 —			ł	Wood chips				
					ا ا	Ί	_		ł	vvood criips				
				40.4	[]	13 —	_		-					
	$- $			10.1	[]		+		1					
					' _	14 —			1					
	$- $				1				-					
	$-$			8.4	0					Olfr OLAY				
	$\mid $				0	'			CL	Silty CLAY; gray, soft				
					6	16—			SM	Silty SAND; gray, fine	, tirm			
	$ $			8.4	7				1					
					4	17—								
					3	3			SW	SAND; gray, firm				
				7.8	8									
					12	: ˈš ¯								
					4	19—								
				7.4	9	'9 -								
					12	20								
						20—								
	\dashv						\top		1	BOTTOM OF HOLE	@ 20'			
	\neg					21 —	\top		1					
1	\dashv						\top		1					
1						22 —	+		1					
			ı											

			IDDO IEO	TNO	WA255-3	0545.4	OLIF	NIT:	ConceaDhilling	DODING WELL NO. OD OF
			PROJECT LOGGED			3515-1 n/L.Brock	CLIE	NT: ATION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: SB-35 le, WA PAGE 1 OF 1
1.	-	1.4	DRILLER			Drilling, Inc.		E DRILLE	,	Location Map
	Del	to		G METHOD:		, בי ming, iiic.		E DIAMET		Ecocutori map
L	ノロ	la		IG METHOD:				E DEPTH		
			CASING -		NA					See Figure 2
	Environm	nental	SLOT SIZ		NA			L DIAMET L DEPTH		See Figure 2
C	onsultan	ts, Inc.	GRAVEL		NA			NG STIC		
				ELEVATIOI		NOF	RTHING		EASTING	
				27.9	•		1824.2		1269444.6	
Well	Completion			рг	Ę (1		4)		
-	400	Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Ι.Ψ Ι	ample	Soil Type		
Ē	guis	Water	oist	Re	ows	t l	<u> </u>		LITH	OLOGY / DESCRIPTION
Backfill	Casing	Level	ΣO	Ğ,	Pe l	Depth (1	Interval	တိ		
		-		ш.			<u>-</u>		Asphalt/Concrete (~8'	"\
Conc.	- 4					+	+	-	Aspiraliz Concrete (0	1
8						1——		1		
						+	+	1	Air-knifed/vac-o	cleared to 5'
						2-	+	1	7 til 10 mou/ vao-0	5.53.54.60.0
	_						+	1		
						3	+	1		
						. 十	+	1		
						4		1		
						_ 🛨		1		
					2	5		CL	Silty CLAY; gray, som	ne gravel
				15.6	2 2 3			1	, , , , ,	
					3	6		1		
					2	7		1	(As above)	
				10.5	2	/		1		
					3	8]		
					3				CLAY	
			Moist	310	2 3	9		SP	SAND; gray to salt &	pepper, fine, moist to wet
		$\overline{\nabla}$	Wet		I	<u> </u>				
111			Sat		17	10	4		SAND; gray to salt &	pepper, fine, some silt, saturated
ONITE				31	16	_				
					17 _	11	_		(A	
BENI	_			45	5	_	-	1	(As above)	
99				15	5		+	/		
					5	-			(A a ab a cas a calab	a day and wood from ant-\
				6.7	5	13		SP-SC	(As above, with	clay and wood fragments)
			Sat	0.7	6			ł	SAND: gray fine with	n clay and wood fragments
			Sal		l' 7	14		ł	GAND, Gray, line, Will	r day and wood fragments
				6.5	7			1		
				0.0	8			ı		
					9	_		1	(As above)	
				7.2	9	16		1	(/ (0 00000)	
					11	<u>, </u> +		1/		
					9	17		Wood	Wood fragments	
				5.9	7			1	<u> </u>	
					10			1		
					12			1	Sawdust and wood fra	agments
				7.4	14	19 —		1		
					17	20				
						20				
						21			BOTTOM OF HOLE	@ 20'
1										
1						22				
					1				1	

PROJECT NO: WA255-3515-1 CLIENT: ConocoPhillips LOGGED BY: K. Johnson LOCATION: 600 Westlake Ave N, Seattle, WA PAGE 1 OF 1 DRILLER: Cascade Drilling, Inc. DRILLING METHOD: HSA SAMPLING METHOD: SS CASING TYPE: NA SLOT SIZE: NA GRAVEL PACK: NA ELEVATION 29.5 Well Completion Static Water Level PROJECT NO: WA255-3515-1 CLIENT: ConocoPhillips BORING/WELL N PAGE 1 OF 1 DATE DRILLED: 10/18/2005 HOLE DIAMETER: 8.5" See Figure See Figure See Figure ConocoPhillips BORING/WELL N PAGE 1 OF 1 DATE DRILLED: 10/18/2005 HOLE DEPTH: 20' CASING TYPE: NA WELL DEPTH: NA CASING STICKUP: NA ELEVATION 29.5 Vell Completion Static Water Level Static Water Level PAGE 1 OF 1 DATE DRILLED: 10/18/2005 HOLE DIAMETER: NA CASING STICKUP: NA ELEVATION 129.5 Sample DATE DRILLED: 10/18/2005 HOLE DIAMETER: NA CASING STICKUP: NA ELEVATION 29.5 Sample AND AND AND AND AND AND AND AND AND AND	O: SB-36
DRILLER: Cascade Drilling, Inc. DATE DRILLED: 10/18/2005 DRILLING METHOD: HSA HOLE DIAMETER: 8.5" SAMPLING METHOD: SS HOLE DEPTH: 20' CASING TYPE: NA WELL DIAMETER: NA See Figure SLOT SIZE: NA WELL DEPTH: NA GRAVEL PACK: NA CASING STICKUP: NA ELEVATION NORTHING EASTING 29.5 231793.2 1269384.3 Well Completion Static 25 5 5 5 Sample 9	
DRILLING METHOD: HSA SAMPLING METHOD: SS HOLE DEPTH: 20' CASING TYPE: NA SLOT SIZE: NA GRAVEL PACK: NA ELEVATION 29.5 Well Completion Static DRILLING METHOD: HSA HOLE DIAMETER: 8.5" WELL DIAMETER: NA WELL DIAMETER: NA CASING STICKUP: NA ELEVATION NORTHING 29.5 Sample Static Static DRILLING METHOD: HSA SAMPLING MET	
Environmental Consultants, Inc. CASING TYPE: NA WELL DIAMETER: NA See Figure Well Completion Static SAMIPLING METHOD: 35 HOLE DEPTH: 20 Well DIAMETER: NA WELL DEPTH: NA CASING STICKUP: NA ELEVATION NORTHING 29.5 Sample Sample Sample	
Environmental Consultants, Inc. CASING TYPE: NA WELL DIAMETER: NA See Figure SLOT SIZE: NA WELL DEPTH: NA CASING STICKUP: NA ELEVATION NORTHING EASTING 29.5 231793.2 1269384.3 Well Completion Static Stat	
Consultants, Inc. SLOT SIZE: NA WELL DEPTH: NA GRAVEL PACK: NA CASING STICKUP: NA ELEVATION NORTHING EASTING 29.5 231793.2 1269384.3 Well Completion Static 2 5 5 5 5 Sample 9	2
GRAVEL PACK: NA CASING STICKUP: NA ELEVATION NORTHING EASTING 29.5 231793.2 1269384.3 Well Completion Static 2 5 5 5 Sample 9	
29.5 231793.2 1269384.3 Well Completion Static 2 to in in in in in in in in in in in in in	
Well Completion Static 2 to in (in the state of the state	
Well Completion Static ari and Static Sample Sample Sample	
E P Water tg H Se E tt Se C te E F LITHOLOGY / DESCRIP	ΓΙΟΝ
Recovery Soil Tyl	
Asphalt (2")	
Air-knifed/vac-cleared to 5'	
2—————————————————————————————————————	
	soft
12.2 2 6	
Moist 21.3 2 CL Silty CLAY; gray, weathered, firm	
Moist 21.3 2 SP SAND; medium to coarse, soft	
642 2 9 (Mixed fill: sand, clay, brick debris)	
(Mixed fill: sand, clay, brick debris)	
50/6" 10 (Poor recovery, fill material, moist)	
(Poor recovery, fill material, moist)	
1 1 2 2 2 2 3 4 5 7 2 2 2 4 5 7 2 2 2 4 5 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Wet 730 1 13 SM Silty SAND; tine sand, soft	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
(As above with wood debris, poor recov	erv)
1 14 (As above with wood debris, poor recov	∵. y /
27.2 1 Wood Wood debris: with sand and pebbles	
15 15 15 16 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	
1 1 16 SM Silty SAND; green-gray, fine, some clay, soft	
12.6 1	
17.8 2 18 18 18 18 18 18 18	
12.9 1 19	
BOTTOM OF HOLE @ 20'	
21 21 21 23 11322 @ 23	

			I		14/4055	0545.4				O DUIL	
1			PROJECT		WA255- K. Johns			CLIE		ConocoPhillips	BORING/WELL NO: SB-37
I _			LOGGED				L		ATION:	600 Westlake Ave N, Seatt	•
ΙГ)el	ta	DRILLER			e Drilling,	inc.		DRILLE		Location Map
	ノ匸I	la		METHOD:					DIAMET		
ı				IG METHOD:					DEPTH:		Coo Figure 2
E	nvironm	nental	CASING 7		NA				_ DIAMET		See Figure 2
Co	nsultan	ts, Inc.	SLOT SIZ		NA				DEPTH:		
			GRAVEL	ELEVATIO	NA		NODT		NG STICI	KUP: NA EASTING	
			'	29.8	V		NORT 2317			1269377.2	
Well C	ompletion				<u> </u>	±	T			1200011.2	
		Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	Soil Type		
Backfill	Casing	Water	nisti onte	Regon	etra) =	Recovery	Interval	É	LITH	OLOGY / DESCRIPTION
Sac	Sas	Level	ĕŏ	_ ق	lec (blc	dəc	600	nter	So		
	O.			Δ.		-	Ř			A t / C t - / (0!!)	
Came	100					-	+			Asphalt/Concrete (8")	
	-					1	+		l		
	\vdash					-	+	-	ļ	Air-knifed/vac-	placed to 5'
	-					2-	+		ł	All-Killeu/vac-	deared to 5
						-	+	1	l		
	—					3 —	+	1	l		
	\vdash					-	+		ł		
	—					4	+	1	l		
	\vdash					-	+	-	ļ		
	-				1	5 —	+				
	\vdash		Moist	202	'1	_			SM	Silty SAND; gray, soft	damn
			IVIOISE	202	2				SIVI	Silly SAND, gray, son	, damp
	\vdash				2	-					
				740	1	7 —				(As above)	
	\vdash				2					(* 15 6.55 / 5)	
						8—					
				1,900	2 2 2	-			1	(As above)	
				,	2	9-			1		
NTONITE					1	10			1		
Z				1,380	2	10 —			1		
	(-5)	∇	Sat		3	11 -			1	(As above, sati	urated)
BE					1						
				1,700	2 2	12 —					
	7.3				2	: ' ⁻ _				(As above, gra	des black in color, oily)
					2	13 —					
				27	1	'5					
					2	14				(As above, gra	des medium brown)
					10					1	
				24	11				Wood	Wood debris	
					8	-					
				00	2	16 —			<u> </u>	0:16 - 0.4 \ 10	
				32	2	-			SM	Silty SAND; gray-brov	vn, sott
	—				2	17 —				/A b - · · ·	dog grove fine countly
				28	1	-				(As above, gra	des gray, fine sand)
	—			∠ ŏ	2						
					_	-					
	—			24	2	19 —					
				Z 4	2	-					
	└ <i>─</i> ┤				 	20 —					
	\dashv					-	+			BOTTOM OF HOLE	<u> </u>
1	-					21 —	+	1		DOTTOM OF HOLE	<u>w</u> = 0
1	\dashv					-	+	\vdash	l		
1						22 —	+	1			
										1	

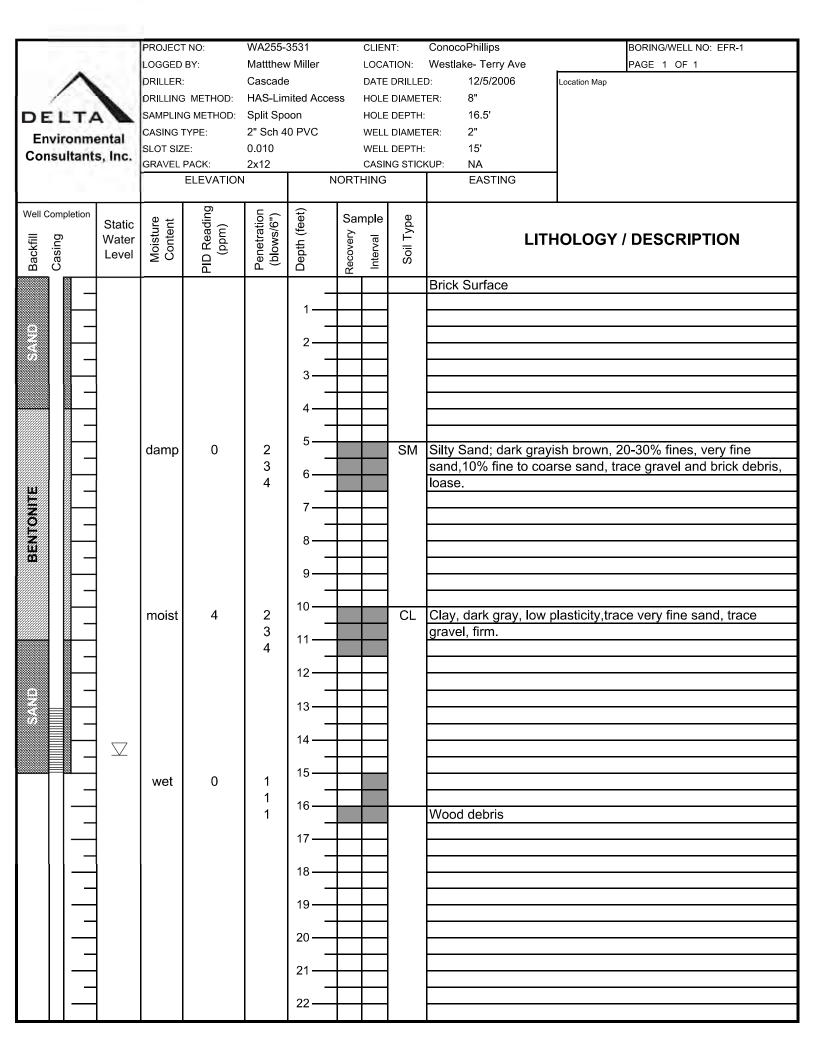
		Inno Ino	TNO	MAGEE)E4E 4	OUT	NT.	ConsesDhilling	IDODINO/MELLINO, OD 00
		PROJEC [*] LOGGED		WA255-3 M. Smith		CLIE	NT: ATION:	ConocoPhillips 600 Westlake Ave N, Seatt	BORING/WELL NO: SB-38 tle, WA PAGE 1 OF 1
		DRILLER			Drilling, Inc		ATION: E DRILLE		Location Map
De	ltつ		 G METHOD:		Jiming, inc		E DIAME		Ecocitori iviap
	ILA		IG METHOD:				E DEPTH		
		CASING		NA			L DIAME		See Figure 2
Environn		SLOT SIZ		NA			L DEPTH		
Consultan	ıts, Inc.	GRAVEL		NA			ING STIC		
			ELEVATIO	V	NC	RTHING	}	EASTING	1
			25.1	1	23	31796.0		1269480.5	
Well Completion	Ctatio	o +=	PID Reading (ppm)	Penetration (blows/6")	et)	Sample	l e		
≡ □	Static Water	Moisture Content	ead om)	trati vs/6	Ι.Ψ Ι	-	Soil Type	LITH	OLOGY / DESCRIPTION
Backfill	Level	Co Ko	D R (9)	ene blov	ltde	Recovery Interval	Soil		ozoot, bzookii nok
å Ö		_	Ы	g =	ă	<u>8</u> =	0,		
ے او					↓		1	Concrete (6")	
Cone	-				1	\dashv	4		
						-	1	Ain leasta alter -	alcared to E'
	-				2-	-	1	Air-knifed/vac-	cieared to 5
					+		1		
	1				3 —		1		
						+	1		
	1				4 —	\dashv	1		
	1						1		
	1			2	5		sw	SAND; gray, with som	ne clay and small gravel
]		22	2 5	6				
	\Box	Moist		5					
				5	7		SC	SAND with Clay; gray	, moist
_			11	10					
				7	8			0.4.1.0.1	6.
—	-		7	4 7	-		1	SAND with Clay; gray	/, fine sand
	-		'	10	9		ł	(As above, with	a wood)
101 —		Sat		3	_		ł	(As above, with	
ONITIE —	1	Jun	7	6	10		1	(710 00070) 0011	arato a)
ō	1			6			1		
BENT				4	''		1	(As above)	
6			7	7	12				
				9					
				4	13			(No recovery)	
				9					
	-			9	14		-		
	-		6	3	-		CL	Silty CLAY; with wood	d fragments
	-		0	4 3	15 —		5	JOINY CLAT, WITH WOOD	и паутеть
	1			7			Wood	(No recovery v	wood in augers)
	1			10	16		1,,,,,,	(110 1000 101), 1	
	1			14			1		
]			7	17		1	Wood chips	
]		6	9	18				
]			17	10				
					19			Sawdust and wood fra	agments
					20		-	-	
_	-				+		-	BOTTOM OF HOLE	@ 20'
	-				21 —	-	┨	BOTTOM OF HOLE	<u>w</u> 20
-	1				+	\dashv	1		
	1				22	\dashv	1		
	L							1	

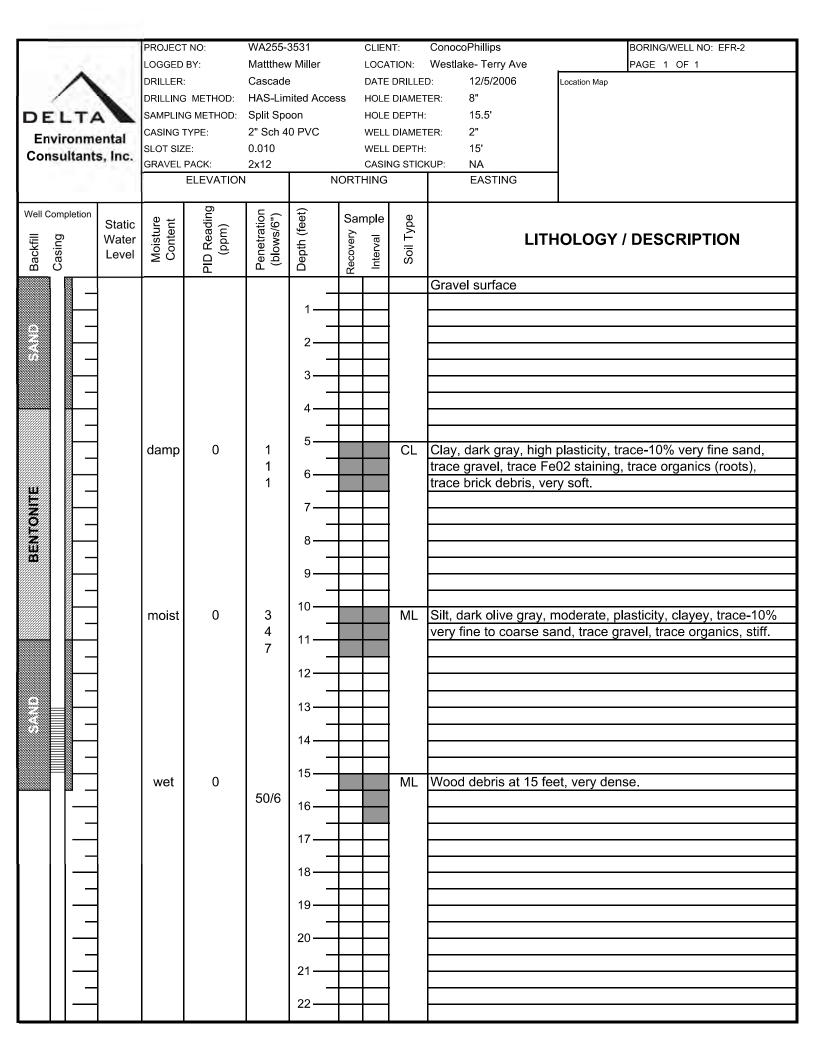
	1	PROJECT	NO:	WA255-	3515_1	CLIE	NT.	ConocoPhillips	BORING/WELL NO: SB-39
		LOGGED		M. Smith			NT: ATION:	600 Westlake Ave N, Seattle,	
		DRILLER:			Drilling, Ir		E DRILLE		cation Map
Delt	2		METHOD:		,		E DIAMET		
	La		G METHOD:				E DEPTH		
		CASING T	YPE:	NA		WEL	L DIAMET	TER: NA	See Figure 2
Environme	ntai	SLOT SIZ		NA			L DEPTH		Č
Consultants,	, IIIC.	GRAVEL I	PACK:	NA		CAS	ING STIC		
	ľ	Е	ELEVATION	N		ORTHING	}	EASTING	
1			29.4	ı		231731.4		1269370.9	
Well Completion	Static	e +	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	l ec		
	Water	Moisture Content) Readi (ppm)	trat vs/() (fe	ery al	Soil Type	LITHO	LOGY / DESCRIPTION
v .=	Level	Moi	9 9	ene	epti	Recovery Interval	Soil		
m O			Ы	۵)	۵	Re	,		
ė –					_		1	Asphalt/Concrete (~8")	
Conc					1 —		4		
					-		1	Air-knifed/vac-cle	parad to 5'
					2		1	Air-kniied/vac-cle	eareu IO o
-					-		┨		
					3 —		1		
							1		
					4		1		
							1		
				7	5 —		1		
			5	7	6				
				9			SP	Gravelly SAND; brown,	fine sand, dry
		Dry		2	7				
			2	4	'				
				4	8				
				4				(As above)	
			2	3			-	CAND	
	V-7	Moist-		2	-		ł	SAND; gray	epper, with clay, moist to wet
	\triangle	Wet	0.5	3	10 —		H	SAND, gray to sait & pe	epper, with day, moist to wet
TONITTE		VVGL	0.0	₁	-		H		
		Wet		3	11		1	SAND; gray to salt & pe	epper, some clav. wet
BEN.		.,,,,	0.5	3			1	gray to can expe	pper, cerrie eray, rec
	1			4			1		
		Wet		4	_		1	SAND; gray, fine, wet	
			0.5	4	13 ——				
				7	14				
		Sat		2				SAND; with wood fragm	nents, saturated
				1			4		
				_ 2	_		-		
			4.0	[/	16		-		
			1.6	2 3	-		\\/\aad	Sawdust (2")	
				2	17		vvood	Sawdust (3")	
\Box				1			H	(No recovery)	
					1 18		l I	(140 1000VEIV)	
				10	-		SP	SAND; gray to salt & pe	epper, fine-grained
			2.1	12	19 ——		1	, g , to com se po	11 / 9:
				17]		CL	CLAY (3")	
					20—				
					21 —			BOTTOM OF HOLE @	20'
					- -		1		
				I	1		1	I	
					22 —		-		

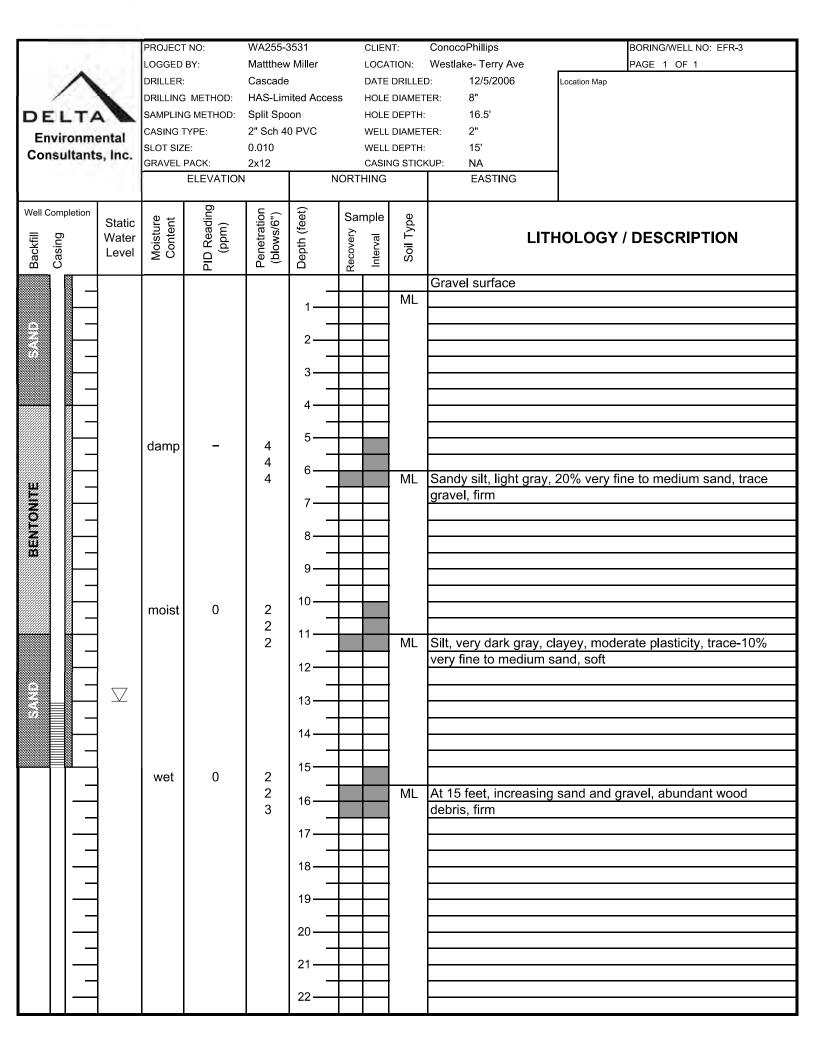
		PROJEC ⁻	T NO:	WA255-3	2515_1	CLIE	ENT:	ConocoPhillips	BORING/WELL NO: SB-40
		LOGGED		M. Smith			:ATION:	600 Westlake Ave N, Seatt	
	14	DRILLER			: Drilling, Ir		E DRILLE	·	Location Map
De			G METHOD:		y, II		E DIAME		
	la		IG METHOD:				E DEPTH		
		CASING :		NA			L DIAME		See Figure 2
Environn		SLOT SIZ		NA			L DEPTH		Goo'r iguro 2
Consultan	ts, Inc.	GRAVEL		NA			ING STIC		
			ELEVATIO		l N	ORTHING		EASTING	1
			29.0			231699.7		1269353.4	
Well Completion	200	0	PID Reading (ppm)	۲ (-	et)	Sample	(D)		
= 0	Static	Moisture Content	m)	Penetration (blows/6")	Depth (feet)		Soil Type		OLOGY / DESCRIPTION
Backfill	Water Level	lois Son	Re (pp	net low	pth	Recovery	=		OLOGY / DESCRIPTION
Backfill	LGVCI	20		Pe G	De	Recovery	Ň		
								Asphalt (~2")	
Come							7	, , ,	
0					'				
					2		╛	Air-knifed/vac-	cleared to 5'
							╛		
					3—		1		
							_		
					4 ——		4		
						$oxed{oxed}$	4		
					5 ——	$\vdash \vdash$			
_				10	_	_	SP	SAND; gray, fine, with	n clay and rubble
			0	10	6				
<i>-</i>				12	_		01	01.4)/	···ce
<i></i>				5	7 ——		CL	CLAY; gray and brow	n, stiff
<i>-</i>			6	6 9	_		-		
<i></i>		Moist			8	-	-	Silty CLAY; gray, moi	int
		IVIOISE	211	4	-		H	Silly CLAT, gray, mor	51
				4	9 ——		-		
		Moist		7	_			CLAY; gray, with silt,	moist
		Wiold	615	7	10 —		1	OLYTT, gray, with sitt,	THOISE
			010	8	-		1		
2		Wet		17	11 ——		1	Silty CLAY; gray	
BENTON			136	26	_			, , , , , ,	
ű l				31				(As above, son	ne sawdust and organics)
<u> </u>				12			Wood	Mixed wood debris ar	
			18.7	17	13 ——				
				23	14				
				17	14 —			Sawdust with SAND	
			16	10					
				9					
				14	16 —			Sawdust and wood from	agments
			15	10	`` _				
				11	17 ——			(2.1	
								(No recovery, v	wood in hole)
			1.3	55/6"	18 ——				
					_			/A I	
					19 ——			(No recovery, v	wood in hole)
			0		_				
<i></i>					20 ——			Mood	
					_			Wood	
					21 ——				
<i></i>					-			BOTTOM OF HOLE	@ 21 5'
					22 ——	\vdash	-	BUTTOW OF HULE	<u>W</u> 21.3
								<u> </u>	

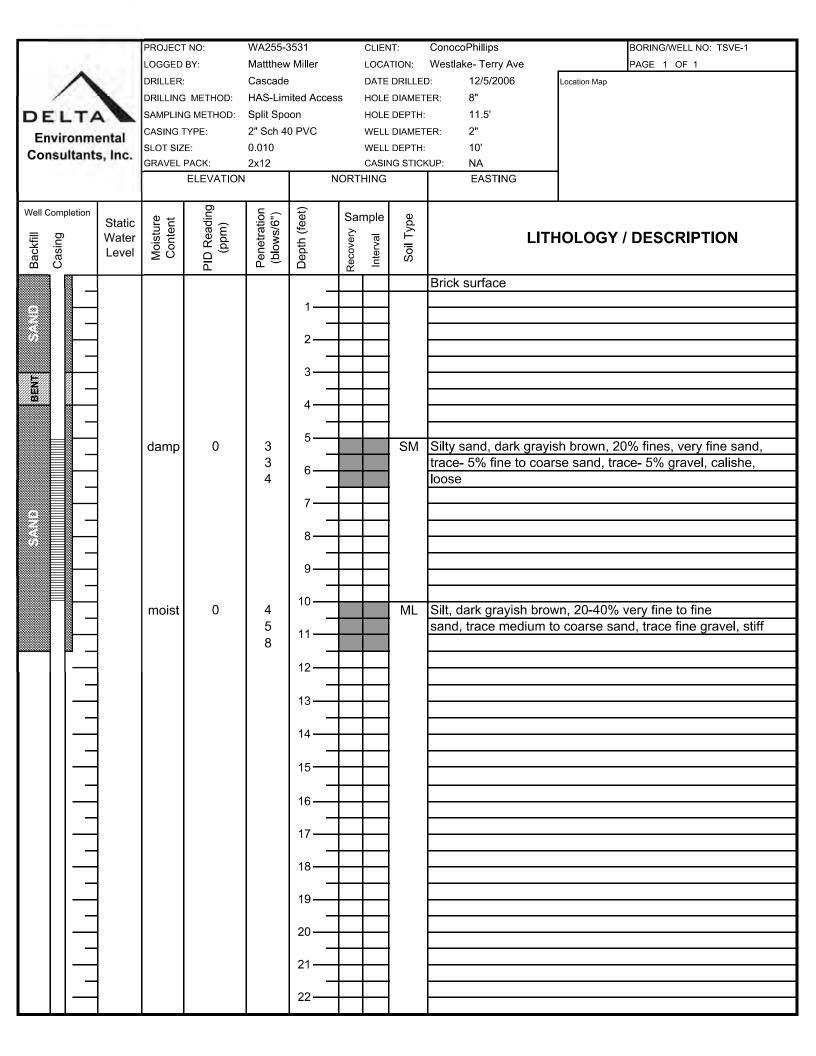
			I=== :===		14/4055	0545.4			O DUIL	In a number of the last of the
			PROJECT		WA255- K. Johns		CLIE		ConocoPhillips	BORING/WELL NO: SB-41
I _			LOGGED					ATION:	600 Westlake Ave N, Seatt	
1 [Del	ta	DRILLER			e Drilling, Inc		DRILLE		Location Map
	ノロ	la		METHOD:				E DIAME		
				IG METHOD				DEPTH		Con Figure 2
E	nvironm	nental	CASING T		NA			L DIAME		See Figure 2
Co	onsultan	ts, Inc.	SLOT SIZ		NA			L DEPTH		
			GRAVEL		NA N	I NO	RTHING	NG STIC		
			'	ELEVATIO 29.9	IN		1622.9	1	EASTING 1269308.2	
Mall	Completion				٦ _				1209300.2	<u> </u>
-		Static	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	1.9	Sample	Soil Type		
Backfill	Casing	Water	nistu onte	Zes opm	etra	<u> </u>	Recovery Interval	<u> </u>	LITH	OLOGY / DESCRIPTION
ac	as	Leve	8 8		(blc	jd ə(eco.	Soi		!
	O			Ъ	Ш		<u>~ = </u>		0 (4011)	
Calle	13 44					1 +		-	Concrete (12")	
ٽ سسس	 —					1—		-		
	-					+	_	-	A : 1 : 1 t	placed to El
						2	-	-	Air-knifed/vac-	cleared to 5°
						+	-	-		
	—					3—	-	-		
						1 +	_	-		
						4	-	-		
						+	-	-		
			D		_ ا	5			O - m d - OU T- b C	Survey of the control
			Dry		5		_	ML	Sandy SILT; brown, fi	irm, ary
				0	16 18			1		
					10	1 -	_	/		
			Damp	0	12	7		SP	SAND; brown-gray, fi	no traco silt damp
			Danip	U	12	1 +		35	SAND, blown-glay, iii	ne, trace siit, damp
					5	8	_	ł		
				0	8		_	ł	(As above)	
				O	8			1	(7 to above)	
TONITE					5	1 —		i		
7				0	7	10		1	(As above, mo	ist)
\mathbb{R}^{2}			Moist		8	l 🕇		i	(* 12 3.5 2 1 2)	
BEN					4	11-			1	
œ		∇	Moist-	64.8	12			SM	Silty SAND; fine, firm,	, moist to wet
			Wet		12			Ī	•	
					5	_		1		
				4.5	6	13		<u> </u>		
					8	14		ML	Sandy SILT; gray, wit	h some pebbles, dense
					8					
				0	10					
					10					
			Sat		3	16		SW	SAND; gray, fine to m	nedium, with some pebbles, soft
				0	3					
					3	17				
				_	3			1	(As above)	
				0	3					
					4	1 4		-		
				_	8	19		-	/	
				0	10	4		-	(As above, with	n wood debris)
					10	20			-	
1	\dashv					+	_	-	POTTOM OF HOLE	@ 20!
1						21	-	-	BOTTOM OF HOLE	<u></u>
	\dashv					+	_	-		
1						22		-		

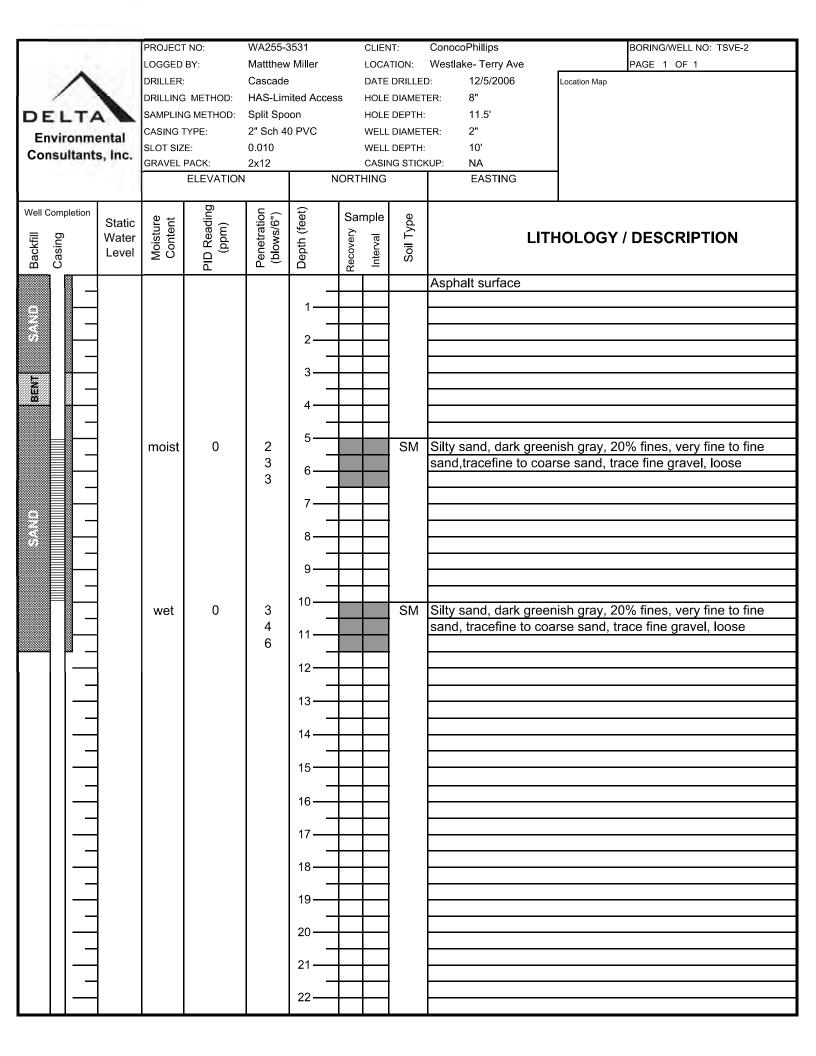
		PROJEC ⁻	T NO:	WA255-3	3515-1	CLIEI	NT.	ConocoPhillips	BORING/WELL NO: SB-42
		LOGGED		K. Johns			ATION:	600 Westlake Ave N, Sea	
	14	DRILLER			Drilling, Inc.		DRILLE		Location Map
De	ITA.	DRILLING	METHOD:				DIAMET	TER: 8.5"	
	Ita	SAMPLIN	IG METHOD:	SS		HOLE	E DEPTH	: 20'	
Environr	montal	CASING .	TYPE:	NA		WELL	DIAME	TER: NA	See Figure 2
Consultar		SLOT SIZ	Έ:	NA		WELL	_ DEPTH	: NA	
Consultar	iits, iiic.	GRAVEL		NA			NG STIC		
			ELEVATIO	N		RTHING		EASTING	
	_		29.4			1800.5		1269426.8	
Well Completion	Static	e +	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample	e e		
≣ ₽	Water	stu	kea pm	trat ws/) (fe	al ery	Soil Type	LITH	IOLOGY / DESCRIPTION
Backfill	Level	Moisture Content	D 9	ene (blo	ept	Kecovery	Soil		
			۵	п.		<u>~ -</u>		A 1 1/ (OII)	
					+		l	Asphalt (2")	
	-				1-		ł		_
<i>-</i>	1				+	+	ł	Air-knifed/vac-	-cleared to 5'
	1				2—	+	1	/ til 'Rillicu/ vac-	
_	1					\top	1		
	1				3-		1		
]]		
_]		
	_				5		ļ		
_	4			2 3	I ` ∔				
<i>-</i>	-	Damp	16.4	3 5	6		SM	Silty SAND; yellow-b	rown, soft, damp
_	-			4	-		ł		
<i></i>	-	Damp	23.6	5	7		ML	Sandy SILT; dark gra	av firm damn
_	1	Bamp	20.0	6	I . 🛨		'''-	Garray GILT, dark gre	zy, iiiii, dairip
	1			3	8		1		
]		8.3	2	9		1		
		Moist		3	9-1			(As above, da	rk gray, moist)
TOWITE				2	10				
5 _			450	2	"				
2 —	V	147.6		2	11		014	O'IL OAND	6
BE		Wet	0	3	-		SIM	Silty SAND; gray, so	π, wet
	1		U	3	12		1		
_	1			2	_		1	(As above)	
	1		0	2	13	_	i	(/ 10 00000)	
	1		_	1			1		
				1]	(As above)	
	_		0	2	15				
<i>-</i>	4			1	``				
<i></i>	4		_	[1	16			(As above)	
<i>-</i>	-		0	[1	-		-		
<i></i>	-] ¹ 1	17		1	(As above)	
<i>-</i>	1		0		_		1	(We anove)	
	1			2			1		
_	1			1 -	_		1	(As above)	
]		0	1	19		1	,	
				2	20				
_	_				20				
	4				21	\perp		BOTTOM OF HOLE	@ 20'
_	-				+	+			
	-				22	+	-		

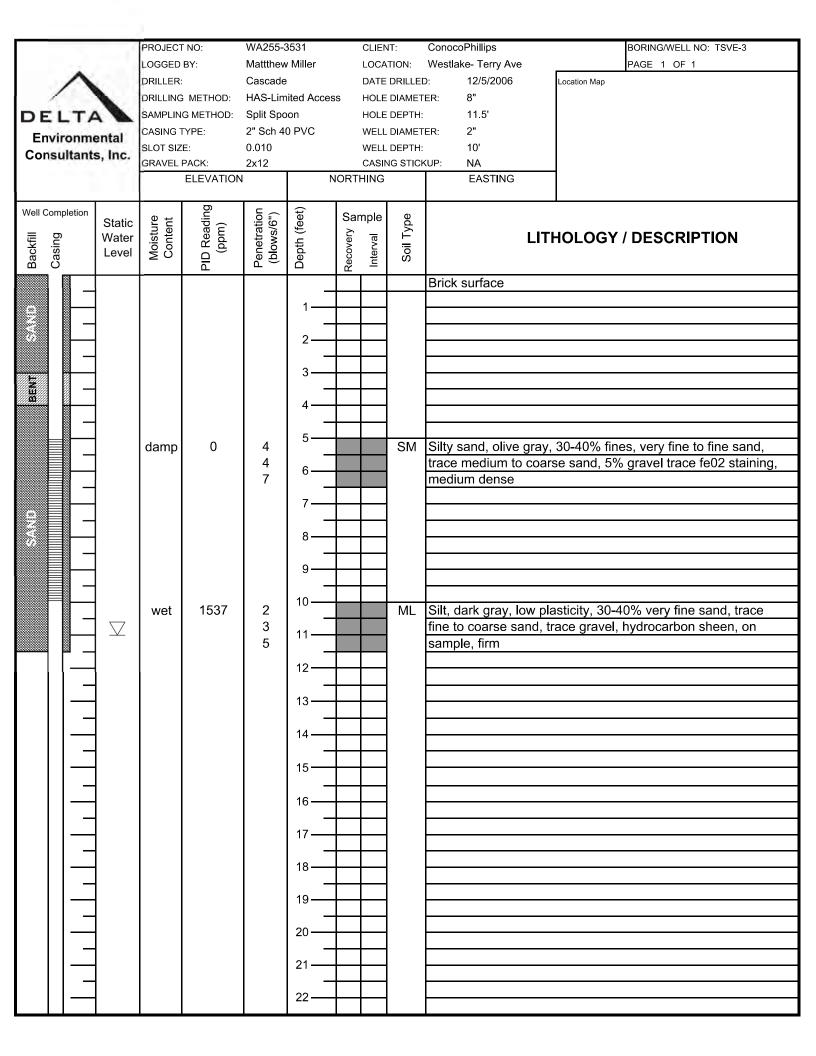


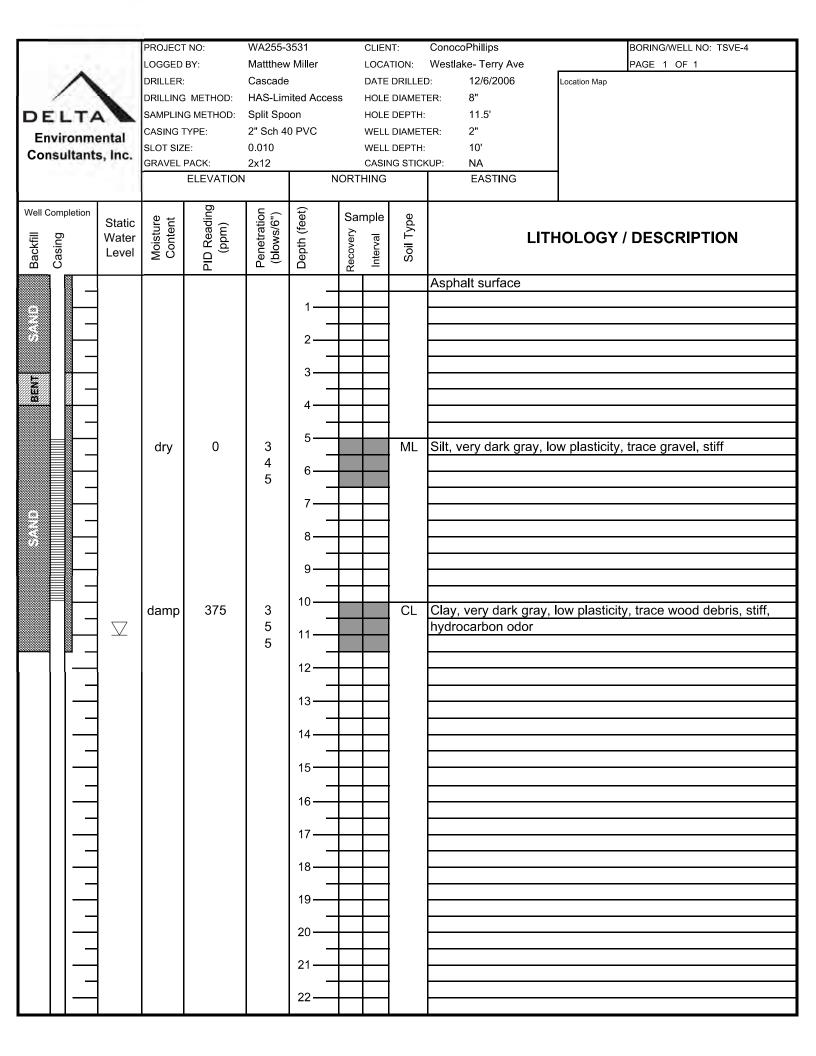


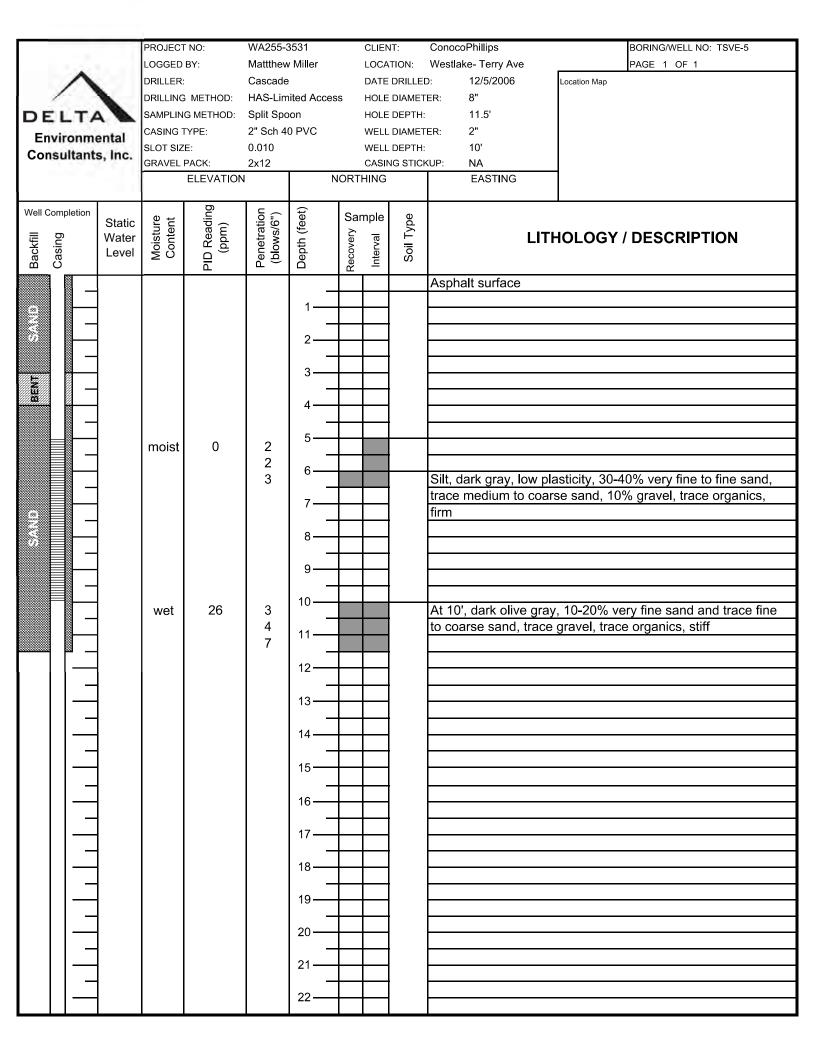


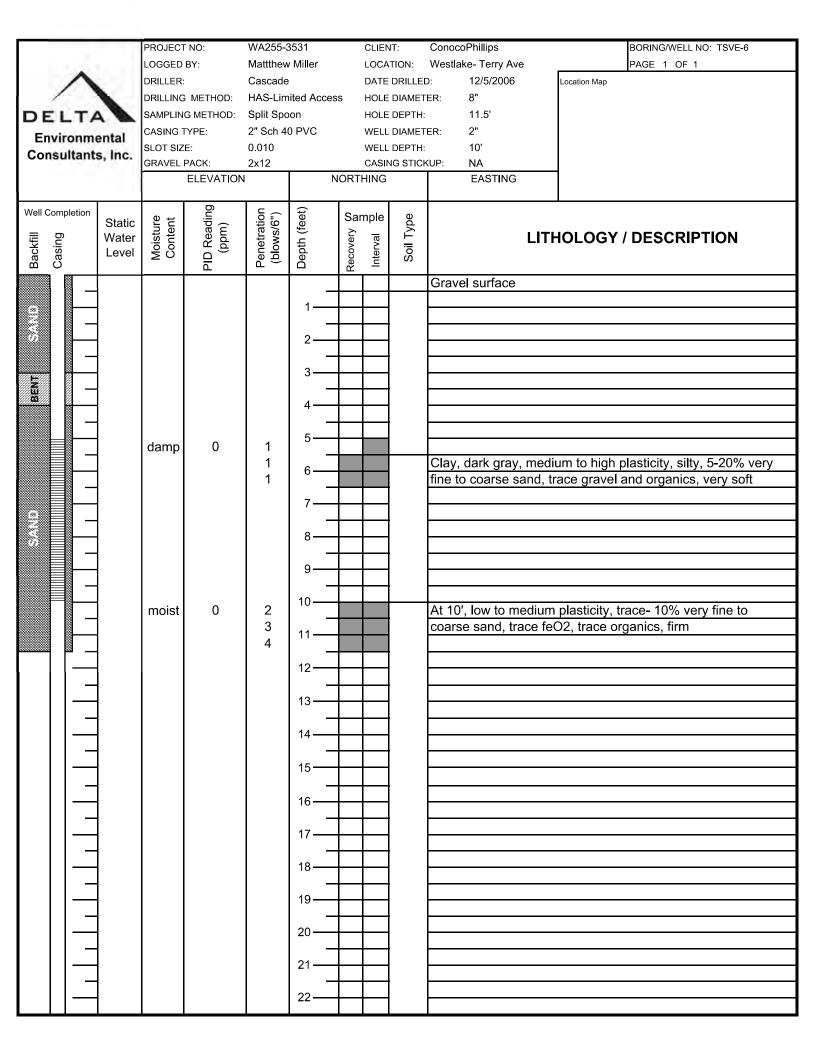


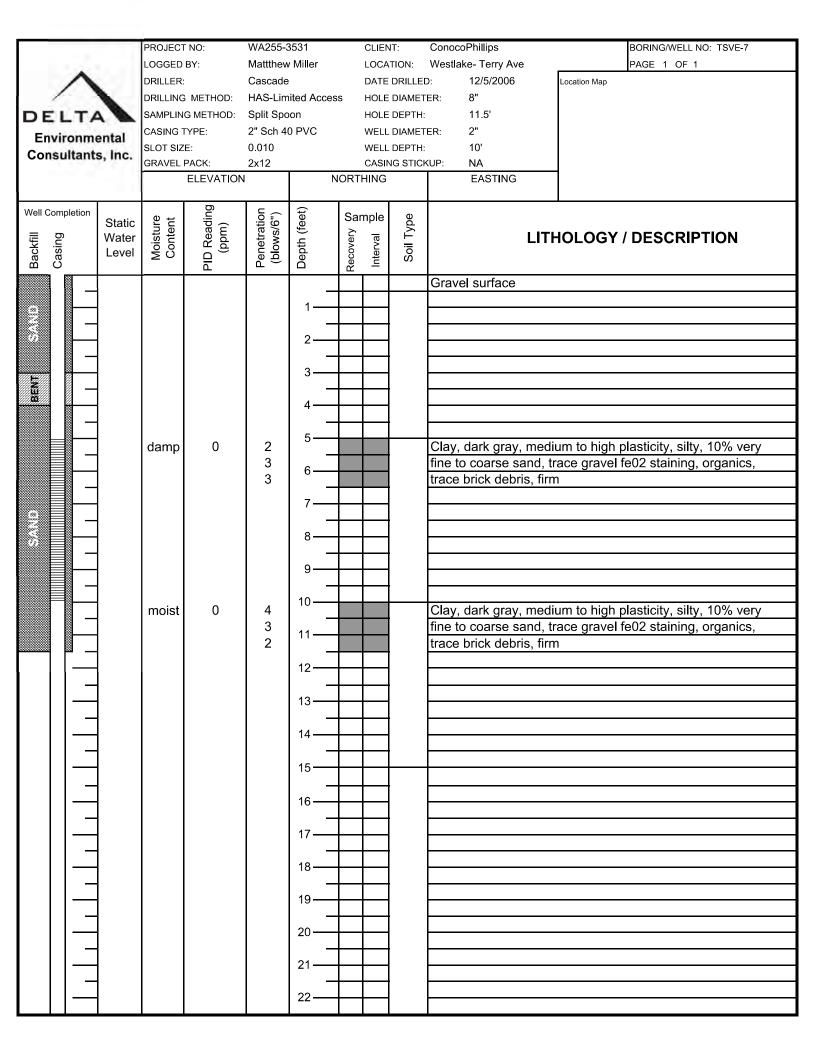


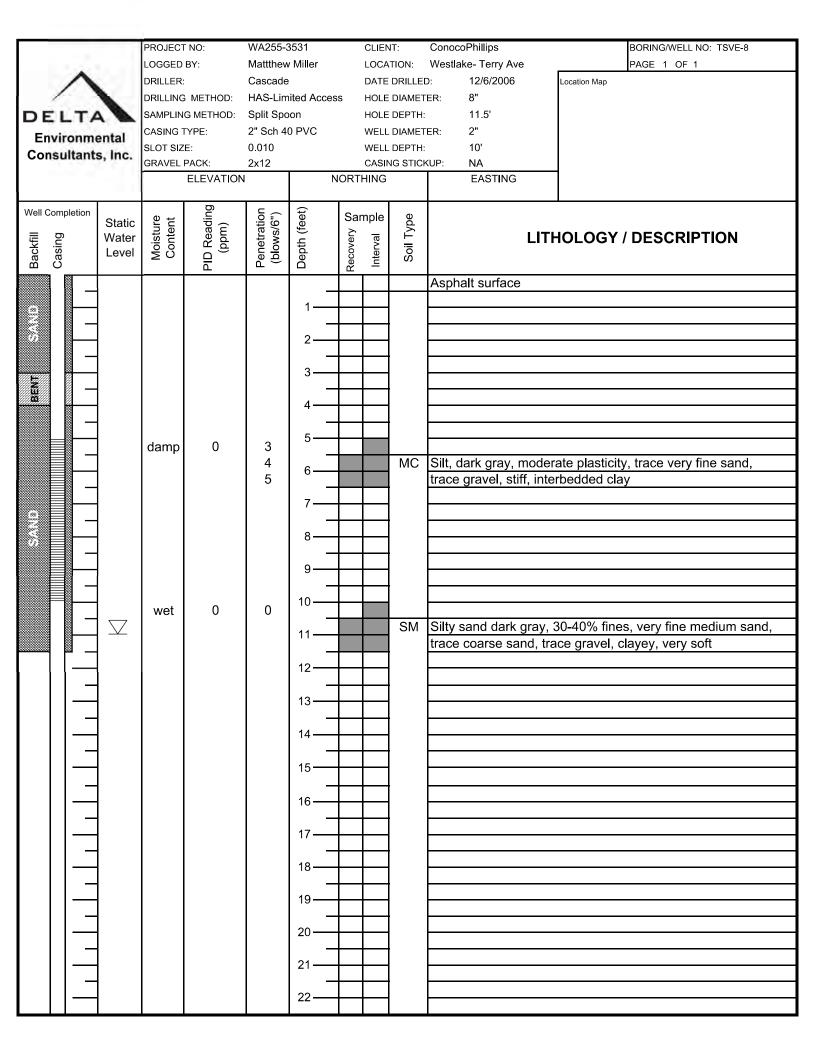


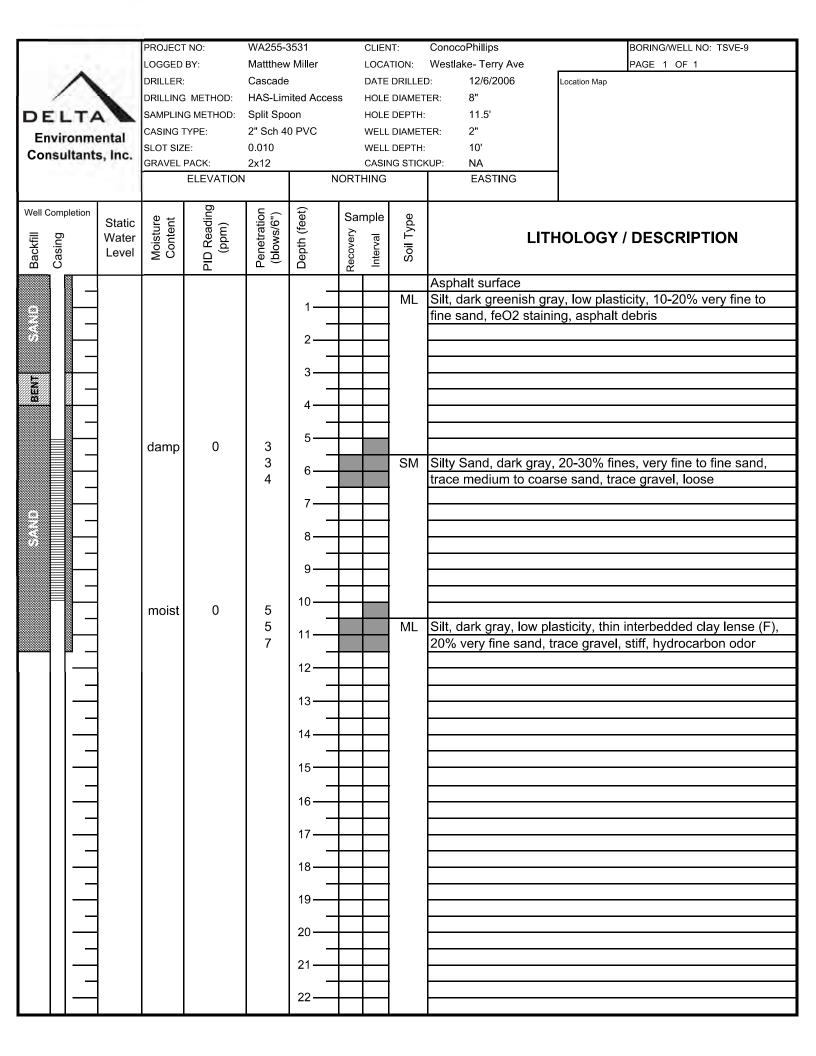














PROJECT NUMBER 314749. AA.P3.10

BORING NUMBER

SHEET

OF

2/4/08

PROJEC ELEVATION		lere	er C	ovidor	Phase I LOCATION P. DRILLING CONTRACTOR CASCADE	27-B3, Parcel 27 Morcasst
	G MET	HOD AN	D EQUIP	MENT GEO	probable00, 4 rods w/15"10 acet	LOGGER N. Badon
. %€		SAMPLE	5	STANDARD	SOIL DESCRIPTION	COMMENTS
DEPTH'BELOW SURFACE (FT)	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR. MOISTURE CONTENT. RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY D-07' - Comments.	DEPTH OF CASING, DRILLING RATE. DRILLING FLUID LOSS. TESTS AND INSTRUMENTATION PID
5			2.6	0.7'-	dive gray to dark gray, dense	collected 5'-4' 5 ample P27-B3-284.0 @ 0935 4-8' 0.1
10-			3.5		Gravel, angular CL, clay and Sand, greenish	Collected Sample P27-B3-13.0-15.0 12'-16'
15-	1		2.5		gray, dense most, one fine to medium subtounded aravel, wet at NIV - CL, Clay and Sand, fine,	P27-B3-13.0-15.0 12-16 @0950 0.1
25-	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>		0.8'		greensch gray, dense, wet, trace Subrangular gravel	bottom
						@20'
25-						



PROJECT NUMBER | BORING NUMBER 314749. AA. P3.10 | P27-B2

SHEET

OF

ELEVATION	Hercer Co		DRILLING CONTRACTOR Carcade]	rel 27, Dear Mercer +9th
DRILLING ME WATER LEVE		PMENT	oprobe 660, 4'rods 1115" 10 ac	5 LOGGER N. Badon
»(£	SAMPLE	STANDARD	SOIL DESCRIPTION	COMMENTS
DEPTH BELC SURPACE (F	NUMBER AND TYPE RECOVERY (FT)	PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT. RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE. DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION PID
	3.3		SC, Sandand Clayolive gray to greenish gray, dense to hard, choist, the to medium, some fine graved	Calected P27-12- 0-4' 2.0-4.0 0.3 @ 1130 anchient= 0.2
5	2.75	i	4.6-5.8'- organics-word Clay(CL) greenish gray dense, moist, some fine Sand, little Coarse, sulangular graves	4 <u>-8'</u> 0.3-0.5
10-	1.9'	* * *	SC, Sandy Clay, greensharay, - dense, noist, fine to medium, _ some medium subrangular navel, trace wood	8-12' 0.60 ambient= 0.4
15 - 1	2.4'		SC, Sandy Clay, greenish gray dense, moist to wet, fine to medium, some fine to midium subangular gravel -	Collected P27-B2-13.0-15.0' 12-16' @ 11:27 0.3,0.4 2~15' and beat =
20-	. 0		No Lecound	Soft, not Picking up Sample w/ roda
			No cereary	BOH 24'
25-				



PROJECT NUMBER 314749-193-10

BORING NUMBER 727-B4

SHEET

OF

2/4/08

3~		SAMPLE		STANDARD	SOIL DESCRIPTION	LOGGER M. I	Succest!
DEPTH BELOW SURFACE (FT)	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR. MOISTURE CONTENT. RELATIVE DENSITY OR CONSISTENCY. SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLI DRILLING FLUID LOSS, TESTS AND INSTRUMENTA	
			2,10		Sandand Clay, SC, Light gray, loose to dense, Moist fine to med. Sand grading to fine to med. Sand and Clayet C.S', title med. graves.	P27-BA-2.0-4.0 @ 1400 note: driller notes rep on old Fill area will move bounce	0.41 0.0
S-			2.5		Sand and Clay, I, yellowsh arange to light gray, bense, noist, tire to medium, little medium. Subangular gravel.		4-8
10-			1.05		Sand and Clay SC yellowish orange to olive gray; Soft, weist to wet, fire to medium, little - Aubangular gravel.	P27-B4 - 10.0-12-0 C 14:25	8-12
15-			3.3		Saidard Silt, MI, yellowsh orange to dive gray, best, wet, fine to nedium, little time gravel	¥ 14'	D-0
20	V		0'		Very wet, no recovery -		16-28 BOH
ъ.							
.5 - -					-	*	



PROJECT NUMBER 314749. AA.P3.10

BORING NUMBER P27 B5

SHEET (.

OF

2/5/08 SOIL BORING LOG

ILLING	METHOD	AND EQU	IIPMENT GEO	DRILLING CONTRACTOR & Cascade DRILLING CONTRACTOR & Cascade START 0820 FINISH 083	acetate lipers
TERL				START 0820 FINISH 083	LOGGER N. Baden
SE -	SAN		STANDARD PENETRATION	SOIL DESCRIPTION	COMMENTS
SURFACE (F	INTERVAL	AND TYPE	TEST RESULTS	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE. DRILLING FLUID LOSS. TESTS AND INSTRUMENTATION
20		2.1		SM, Sand and Silt, Elive apery, dense Skff Moist, fine to putition grained, some medium to fine Subrangular gravel SM, Sand and Silt, olivegoing to dark gray, Wet, 1005e, Siewe fine to medium subrangular aparel,	diller motes odor 1.2 from borehove
1	4		-	gnarel,	BOH
10 -					One Soil Sample P27-B5-2.0-4.0 @ 0845 atmanagers direction due to small soil interval above water talte
15-					- Will relocate soil and water FD and HS/MSD perdirection 02 PM
Ď-		-			
25-					
1					



PROJECT NUMBER 314749 - AA .P3.10

BORING NUMBER 727-B1

SHEET

OF

2/5/08

0001	ECT AA	0500	- (0	Tide-	Plrisett LOCATION P	27 hear corner of Mester Stan
	ATION	erce	e ce	1,004	DRILLING CONTRACTOR COSCODE D	illing: Kasau (dilya)
		HOD AN	D FOLIE	MENT GOO	probe 6000 4 rods with 1.5"10 as	Cetate linas
WATE	RLEVEL	S	o caon	100	START 1010 FINISH	LOGGER N. Badon
MOL		SAMPLE		STANDARD	SOIL DESCRIPTION	COMMENTS
DEPTH BEL	ERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6-6-6* (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY. SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE. DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	- 1				Time to medium Sand and	0'4'
			1.35		c Silt, mast medium striff 5M)	Dil
	V	4			gerlavish orange, loose, Mightly	
5					SM. Sound and Silt, yellowish	4-8'-
	16		[.85		fine to predicing trace corne	0.1
			3.0		8-9-Same as 4-8	P27-B1-10.0-12.0 8-12' @1047
110	1				9-11-5G, Sand and offive gray - Moist, Mars Shiff, fine to	6-
	1		ļ		medium, trace mediumgravel -	Sumple Da PiD
] /		3.0		pame as 9-11	D27-B1-140-140-12-14
15	1 1/				*	@nos:
	11		13		Same as 9-11'except Wet at 2/11'	Y 0.1
	1		1.		-	10-20
20			4.0		20-21.8 - Same De 9-11, W 21.8 - 22.3 dank Drown decaying wood, most	et 1.0
	1				22.3-24 dank brown shiff, _ Moist, fine to medium	24' BOH
15					Sand and clay (sc), trace - wood fragments	
1	-				_	
	1					_



PROJECT NUMBER 314749.PA.P3.10 BORING NUMBER PI - BI

SHEET

OF

215/08

PROJECT	Mesca	x (anido	r Phase II LOCATION Par	cell, near Dexter and Mencen
ELEVATION	N		DRILLING CONTRACTOR Carcade Dr	ling-Kasey (Driller)
DRILLING WATER LE	METHOD AND E	QUIPMENT GEO	start 1305 FINISH 131	ctaté liners O LOGGER N. Badon
ZĪ	SAMPLE	STANDARD	SOIL DESCRIPTION	COMMENTS
DEPTH BELOW SURFACE (FT)		PENETRATION TEST RESULTS	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT. RELATIVE DENSITY OR CONSISTENCY. SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE. DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION PID
		do	SM, SAND and SILT, dark brown to olive gray, hard, Slightly - Moist, fine to medium - grained, some medium - subangular gravel.	PI-BI-2.0-4.0 0.0 Sample E13:35 driller notes very SAFF So:40 to drill through
5	3	5.6	SM, SAND and SILT, yellowish orange to prive gray, hard - slightly moist to dry, fine to medium grained, some medium subangular gravel	0.0 7'BOH
10-				regisal es 1
15		*		note: one soil sample Collected (p. p. M.'s direction due to diffing refusalat 1' 395
15				



PROJECT NUMBER 314749, AA,P3.10

BORING NUMBER PI-B2

SHEET

OF

2/5/08

	PROJEC ELEVATI		unce	Cor	nider t	Transmitted LOCATION PAUL	11 Mercer St. near 8th Ave
		_	IOD AN	ID EQUII	PMENT GE	DRILLING CONTRACTOR Caseade 1 DECOSE 6600,4 rods W/1.5" ID	acetate linas
-	WATER	EVELS	_			START START	O LOGGER N. Baden
-	MOT:	11.0	SAMPL		STANDARD PENETRATION	SOIL DESCRIPTION	COMMENTS
(DEPTH'BEL SURFACE (I	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	TEST RESULTS 6"-6"-6" (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR. MOISTURE CONTENT. RELATIVE DENSITY OR CONSISTENCY. SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE. DRILLING FLUID LOSS. TESTS AND INSTRUMENTATION
· O	-	\		1.5		SM, Stand and Sittyellowsh. Orange to Olive gray, neist fine to medium, loose to medium dense, little medium. Sulrangular gravel.	PI-B2-2.0-4.0 0.0 @1425
5			÷	2.0		same as 0-4'	0,2 -
[0				2.2		Sauce as 0-4' with fire to medium subangular sparel, moist to wet	PI-B2-9.0-11.0 0.2
15	, -	₩.					V diller notes water in sorehole 12'= BOH
U	p -						
9	5 -			The state of the s			



PROJECT NUMBER 314749. AA.P3.10

BORING NUMBER

SHEET

OF]

2/6/08

PROJEC	T MO	ces	- Co	vridor -	Phase It LOCATION tax	d 1 Hercer St. thear 8th Ave
ELEVATION				Con	DRILLING CONTRACTOR CARCAGE (Stilling, Kasey (priller).
DRILLING WATER I			DEQUIP	MENT (720)	probe 6600, 4 rods w/15"10 as	LOGGER N.Baden
FT.		SAMPLE		STANDARD PENETRATION	SOIL DESCRIPTION	COMMENTS
DEPTH BELC SURFACE (F	NTERVAL	NUMBER AND TYPE	RECOVERY (FT)	TEST RESULTS 6"-6"-6"	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY. SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE. DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION PID
1.00		24	1.3		0-041 Asphault and coase medium	PI-B3-2.0-4.0 0.2
			1.6		gravel, loose, Olive gray 9.4-16 SAND and SILT (SM) -	(80758 (sample)
	1			·	yellowish arrange to light - brown, shiff, dry, finato	to the second se
5-			1.1		Sand and silf (sm) yellowish-	· 6.1 -
	1.				time to weather granted, stiff,	
					Sand and Salt (SM), little ciny,	P1-B3-10.0-12.0 0.1,0.2
10-			41		gelbursh crange to greenish - gray, very stirk fine to Medium mained, moist some fine, subangular graved	@ 0805 (Svil sauge)
	1				fine, subangular spand	Daller notes Vefusal@12'
						Bott
15-					2	
113				1	_	
				1		
1 .					_	
70-						
	-				-	
	-	'			-	-
	-				_	
25-	1					~
	-				-	
1					-	
	-					
	4		1			
		1	1	4		



PROJECT NUMBER BORING NUMBER 3H149. AA.P3.10 P24-B1

SHEET

(OF)

2/6/08

PROJEC	тТ	Lerc	es Co	strider I	Phase II LOCATION Par	cel 24 nown Mercer and 8th Ave.
ELEVAT	-			- G	DRILLING CONTRACTOR Cascado Dri	lling, Kaseyldraller)
-WATER			D EQUIP	MENT CHEC	start 0830 Finish 08	
100		SAMPLI		STANDARD	SOIL DESCRIPTION	COMMENTS
DEPTH BELOW SURFACE (FT)	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6-6-6- (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT. RELATIVE DENSITY OR CONSISTENCY. SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION PID
			3,0		Sandand Silt (SM) yellowish bronge to Drive gray, stirt, Slightly moist fine to medium grained, trace fine grand	P24-B1-2.0-4.0 0.1 @ 0852
5-	1		4.0		Subangular parel, gray Sand and Silturgellowsh strage to light gray, siff to Very Shif, fine to medium agrained subangular gravel	0.0
- 			3,0		light gray, very dense, fine to _ Medium grained, slightly moist	0903
IS-					fine grives	refuel @ 11"
20						
25						



PROJECT NUMBER 3A-A9, AA, P3.10

BORING NUMBER 124-B3

SHEET

OF 1

2/6/08

	LEVELS	<u> </u>			probe 6000, 4'rods and 1.5''11 START 1015 FINISH 103	5 LOGGER N. Baldian
SE		SAMPLE	· · · ·	STANDARD PENETRATION	SOIL DESCRIPTION	COMMENTS
SURFACE (INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	TEST RESULTS 6°-6°-6° (N)	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
			1.81		0.6'-4'-ML, Silt, some clay little fine Sand, dark brown to- light brown, Stiff, Mightly Moist	0.1
5			2.21		SILT(FIL), some clay, yellowish orange, Mettled druktrown, STO little fine sand, Shiff, - Meist.	0.2 P24-B3 - 6.0-8.0 @ 11.10 and P24-B3-6.0-8.0-F @ 1110
0 -			4,0		Silt, some Clay(ML), yellowish orange mottled light brown, - Very stiff, most to stightly Most some medium outraigner gravel, little time sand	0.2
	¥		0.2	. Secure tempe	Sitt, some (lay (ML) dark brown to Olive gray, Shff, little timoto - medium Sand, trace medium - Subrangular graves	0.1
. †			1.3'	· · · · · · · · · · · · · · · · · · ·	16-16.6' Same as 12-16' 16.6'-20'-Sandard Silt (solgreenish gring, very Stiff, some Clay,	0.1
>-	<u>\</u>	* 1 3000 1801 *	·	5	the to madilimely paired, trace coarse- angular grown slightly moist. 20-21.21 - dark brown mettled greenish gray Silt and some Clay(ML). little fithe Sagad trace fine subangular.	P24-B3-Z4-Z2 \$\sqrt{225} \text{ \$\text{\$0.135} \text{ \$\text{\$qool}}\$}
5_	1				gravel 212-240' SandandSilt(SN)greens gray, fine to need um, Slightly Stiff, trace fire Subangillar aparel, wet at 23'	MS/MSD E1135
1					-	• -



PROJECT NUMBER 34749. AA.P3.10 BORING NUMBER 124-B:2

SHEET

OF

2/6/08

PROJECT ELEVATE DRILLIN WATER	ON _ G METI	HOD AND	er (ounider MENT EPC	DRILLING CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR WILLSTID	cel 24, on Broadst. Lit 8thand Tilling, Kasey (driller) acetate liners LOGGER N. Baden
		SAMPLE		STANDARD	SOIL DESCRIPTION	COMMENTS
DEPTH'BELC SUBFACE (F	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL NAME, USC'S GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION PLD
0 00					0-0.5' TOPSOIT and glass	D.1
			30'		o.5'-4'-Sand and Sift (SM) yellowis grange to clive gray, medium dense fine to medium grained titll coarse ungular gravet stished	yuast
5-			3.3		Sand and Silt (SM), medium brow to light brown, loss, fine to Medium praired, deputly moist some time to medium graves	sample P24-B2-4.0-6.0 -
10-			2,8		Sand SP Some Silt, fine to Midsium gramed, loose, gellenish trunge to silve gray, slightly weist trace fine. Salangular gravel	0-0
15-			4.0'		12-14 Same in above with - 14-16. Same as above with - some coarse angular to Subrangular ophers, dense	0.0
16-			3.6		Sand and SIII (3M) yellowish brange, moist, dense fine to coarse grined some coase angular graves	P24-B2-18.0-20.0 0.0 P24-B2-18.0-20.0-FD (4755
20-	**************************************		4.0		Sand and Silt (SM), yellow ish or large to light gray, most to wet at 21.3' fine to Midium mained some medium Subangular gravel, dense	¥21.3'
252						

PROJECT: Former CP 5353 (1396) WELL / PROBEHOLE / BOREHOLE NO: LOCATION: 600 Westlake Ave N., Seattle WA MW-209 PAGE 1 OF 1 PROJECT NUMBER: 01CP.01396.60 NORTHING (ft): EASTING (ft): COMPLETED: 10/10/08 STARTED 10/10/08 DRILLING: LATITUDE: LONGITUDE: INSTALLATION: STARTED COMPLETED: GROUND ELEV (ft): TOC ELEV (ft): DRILLING COMPANY: Cascade Drilling INITIAL DTW (ft): 8.5 10/14/08 BOREHOLE DEPTH (ft): 20.0 DRILLING EQUIPMENT: HSA STATIC DTW (ft): Not Encountered WELL DEPTH (ft): 20.0 DRILLING METHOD: Split Spoon BOREHOLE DIAMETER (in): 14 WELL CASING DIAMETER (in): 2

SAMPLING	EQU	PMEI	NT:		GED BY: SN	-				D BY: DH	, ,
Time & Depth (feet)	Graphic Log	nscs	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Co	Well Instruction
_			SAND; brown; fill material, concrete and gravel						N. S.	- c	oncrete
<u></u>		ML	SILTY CLAY FINE GRAVEL; ML							4 -B	entonite
5		ML	SANDY CLAY WITH SILT SOME GRAVEL; ML; gray		-		5	0	5		
	100	SM	SAND WITH CLAY SOME SILT, SM; gray; wet; fine gravel		940 MW-209-7		8 10	0	<u>↓</u> ∑. :		
- 10		ML	SANDY SILT; ML; gray; wet; sheen; gravel		•		5 8 11	0	10-	-s	and
- - 15		ML	SILT WITH FINE GRAVEL; ML; gray; wet; sheen		₩2		2 3 3	0	15—		
 20 <i>-</i> -			Borehole terminated at 20 feet.		we		5 8	0	20		
 							10		1		
25 - -								THE PARTY OF THE P	25-		
30 <i>-</i> -									30-		
- - 35 –									35—		
() () () () () () () () () ()									1 1		

PROJECT: Former CP 5353 (1396)
LOCATION: 600 Westlake Ave N., Seattle WA WELL / PROBEHOLE / BOREHOLE NO: MW-210 PAGE 1 OF 1 PROJECT NUMBER: 01CP.01396.60 NORTHING (ft): EASTING (ft): STARTED 10/10/08 COMPLETED: 10/10/08 DRILLING: LATITUDE: LONGITUDE: INSTALLATION: STARTED COMPLETED: GROUND ELEV (ft): TOC ELEV (ft): DRILLING COMPANY: Cascade Drilling INITIAL DTW (ft): 9 10/14/08 BOREHOLE DEPTH (ft): 20.0 DRILLING EQUIPMENT: **HSA** STATIC DTW (ft): Not Encountered WELL DEPTH (ft): 20.0 DRILLING METHOD: Split Spoon BOREHOLE DIAMETER (in): 14 WELL CASING DIAMETER (in): 2

AMPLING			T:		LL CASING D GED BY: SN				BOREHOLE DIAMETER (in): CHECKED BY: DH
Time & Depth (feet)	Graphic Log	nscs	Description	Sample	Time Sample ID Method	Measured Recov. (feet)	Blow	Headspace PID (units)	Well Constructi
-	The state of the s		SAND WITH GRAVEL; dark gray; fill material, concrete						- Concrete
5-		ML	SAND SOME CLAY WITH ROOTS ML		-			0.3	5-
_			Wood debris		-	1		73.9	▼
10			No recovery - wet		- %		9 11 14	-	10
15 -		SM	SILTY SAND; SM; gray; wet		1155 MW-210-15		4 5 5	0	15-
20-		SM	SILTY SAND; SM; gray; wet Borehole terminated at 20 feet.	·	-		5 8 11	0	20
- - 25									- - - 25-
30 <i></i> 									- 30 - - -
- 35								Armini derekte i	- - 35 <i>-</i> -
									-

PROJECT: Former CP 5353 (1396)
LOCATION: 600 Westlake Ave N., Seattle WA PROJECT NUMBER: 01CP.01396.60 STARTED 10/10/08 DRILLING:

COMPLETED: 10/10/08

COMPLETED:

DRILLING COMPANY: Cascade Drilling DRILLING EQUIPMENT: HSA DRILLING METHOD: Split Spoon

INSTALLATION: STARTED

WELL / PROBEHOLE / BOREHOLE NO:

MW-211 PAGE 1 OF 1

NORTHING (ft): LATITUDE: GROUND ELEV (ft):

LONGITUDE: TOC ELEV (ft):

EASTING (ft):

INITIAL DTW (ft): 9 10/14/08 BOREHOLE DEPTH (ft): 20.0 STATIC DTW (ft): Not Encountered WELL DEPTH (ft): 20.0

BOREHOLE DIAMETER (in): 14 WELL CASING DIAMETER (in): 2

SAMPLING EQUIPMENT:								CHECKED BY: DH		
Time & Depth (feet)	Graphic Log	uscs	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow	Headspace PID (units)	Depth (feet)	Well Construction
- - - - 5	Anamala Jamas Arya Angry Try Try Try Try Try Try Try Try Try T		Sandy fill material, concrete & brick		_			0	5-	Concrete
		ML ML	SILT SOME CLAY WITH GRAVEL; ML; gray; dry SILT SOME CLAY; ML; gray; dry		1252 MW-211-7		8 10 10	0		
10 <i>-</i> -		SM SM	SILTY SAND FINE GRAVEL; SM; gray; wet SAND WITH SILT FINE GRAVEL; SM; gray; wet				1 2 2		∑ . 10− -	-Sand
15-	ENERGY AND THE STATE OF THE STA	ML	SILT WITH CLAY FINE GRAVEL; ML; gray; wet		•		6 9 10	0	15-	
20-	25.05.3 (2.05.3) (2.05.3)	SM	SAND WITH SILT; SM; gray; wet; woody debris @ bottom Borehole terminated at 20 feet.		-		4 5 6	0	20-	
25 - -									25-	
30 <i>-</i>									30-	
35-	The state of the s								35-	
Ų.										

COP 1396 PROJECT:

600 Westlake Avenue N, Seattle LOCATION:

PROJECT NUMBER: 212302587

DRILLING: STARTED 10/29/10 COMPLETED: 11/2/10 INSTALLATION: STARTED 10/29/10 **COMPLETED: 11/2/10**

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:** SAMPLING EQUIPMENT: Split spoon/PID

WELL / PROBEHOLE / BOREHOLE NO:

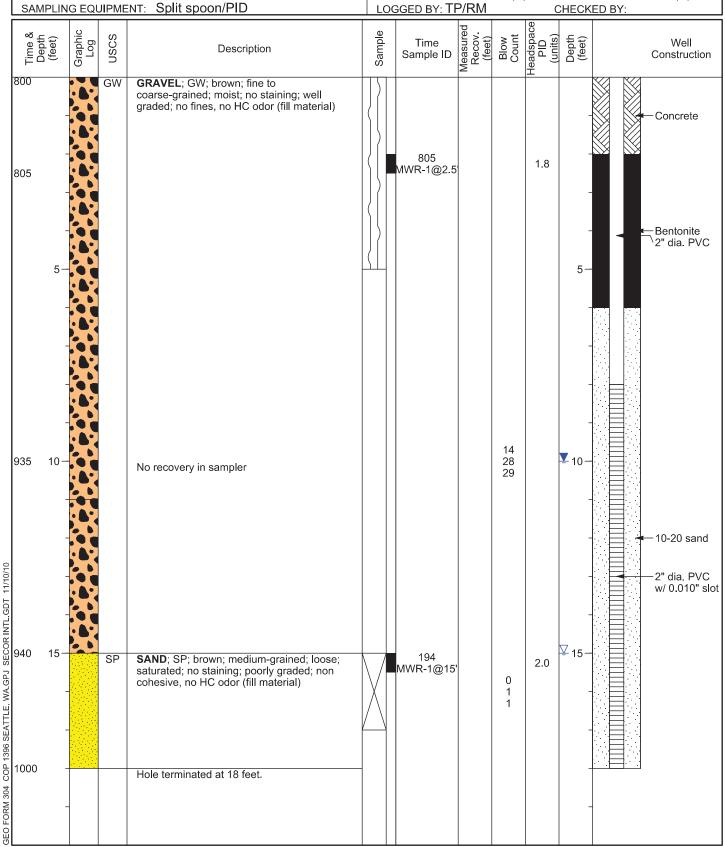
MWR-1 PAGE 1 OF 1

NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft):

INITIAL DTW (ft): 15 11/2/10 BOREHOLE DEPTH (ft): 18.0 STATIC DTW (ft): 10 11/4/10 WELL DEPTH (ft): 18.0 WELL CASING DIAMETER (in): 2 BOREHOLE DIAMETER (in): 8

SECOR

CHECKED BY:



COP 1396 PROJECT:

600 Westlake Avenue N, Seattle LOCATION:

PROJECT NUMBER: 212302587

DRILLING:

STARTED 10/29/10 COMPLETED: 11/2/10 INSTALLATION: STARTED 10/29/10 COMPLETED: 11/2/10

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:** SAMPLING EQUIPMENT: Split spoon/PID

WELL / PROBEHOLE / BOREHOLE NO:

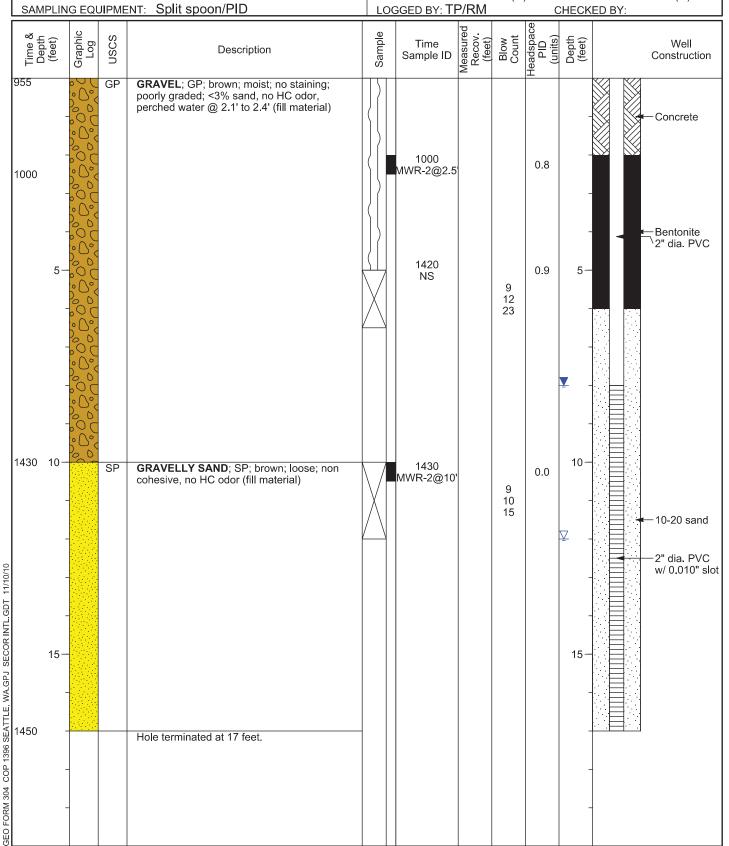
MWR-2 PAGE 1 OF 1

NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft):

INITIAL DTW (ft): 12 11/2/10 BOREHOLE DEPTH (ft): 17.0 STATIC DTW (ft): 8 11/4/10 WELL DEPTH (ft): 17.0 WELL CASING DIAMETER (in): 2 BOREHOLE DIAMETER (in): 8

SECOR

CHECKED BY:



COP 1396 PROJECT:

LOCATION: 600 Westlake Avenue N, Seattle

PROJECT NUMBER: 212302587

DRILLING:

STARTED 10/29/10 COMPLETED: 11/2/10 INSTALLATION: STARTED 10/29/10 COMPLETED: 11/2/10

Cascade Drilling, Inc. DRILLING COMPANY: DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:**

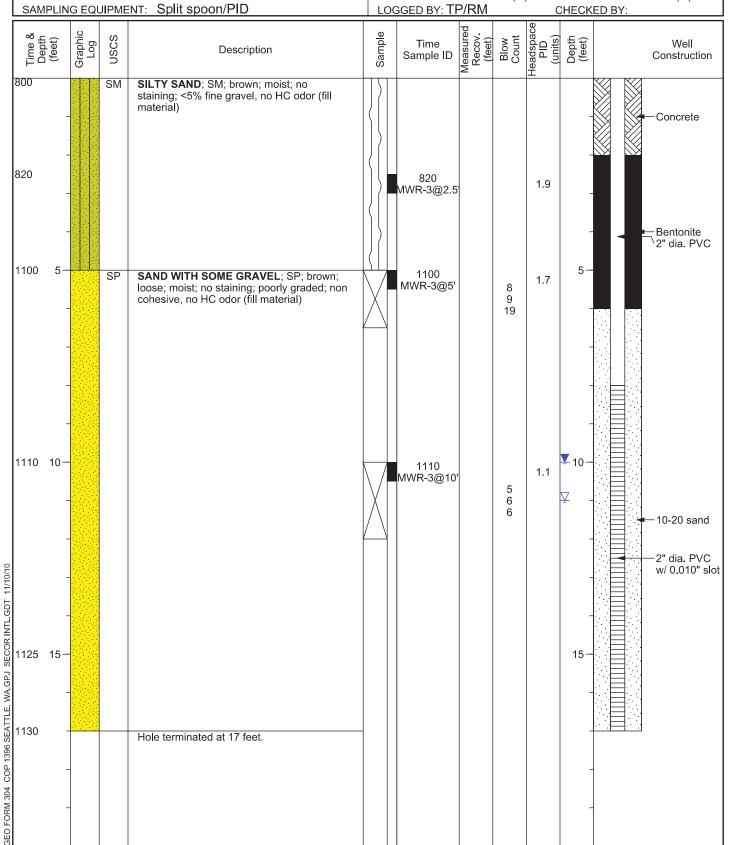
WELL / PROBEHOLE / BOREHOLE NO:

MWR-3 PAGE 1 OF 1

NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): 11 11/2/10

BOREHOLE DEPTH (ft): 17.0 STATIC DTW (ft): 10 11/4/10 WELL DEPTH (ft): 17.0 WELL CASING DIAMETER (in): 2 BOREHOLE DIAMETER (in): 8

SECOR



600 Westlake Avenue N, Seattle LOCATION:

PROJECT NUMBER: 212302587

DRILLING:

STARTED 10/29/10 COMPLETED: 11/2/10 INSTALLATION: STARTED 10/29/10 COMPLETED: 11/2/10

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:**

WELL / PROBEHOLE / BOREHOLE NO:

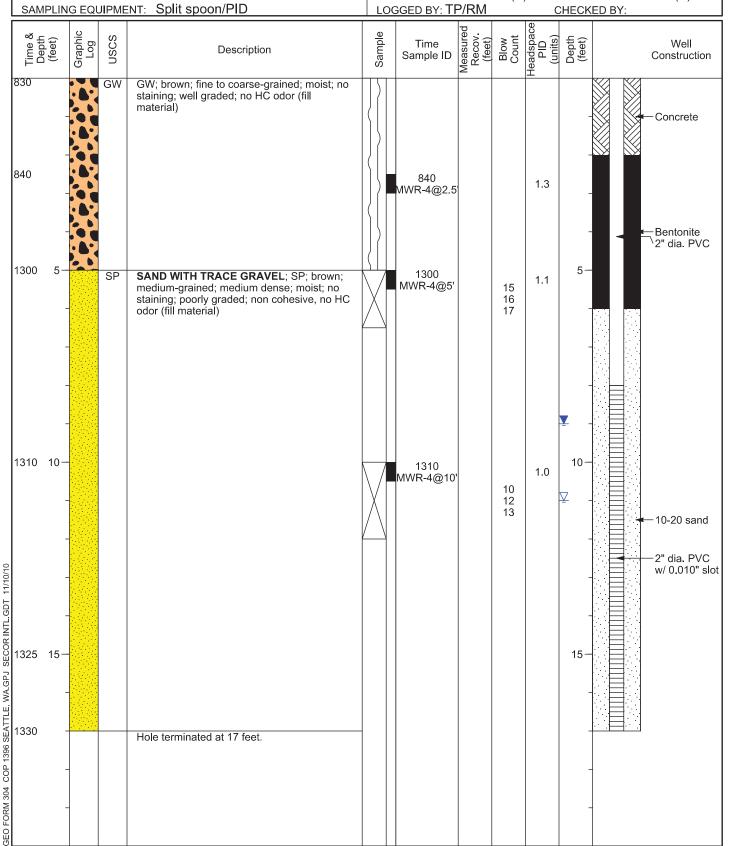
MWR-4 PAGE 1 OF 1

NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft):

INITIAL DTW (ft): 11 11/2/10 BOREHOLE DEPTH (ft): 17.0 STATIC DTW (ft): 9 11/4/10 WELL DEPTH (ft): 17.0 WELL CASING DIAMETER (in): 2 BOREHOLE DIAMETER (in): 8

SECOR

CHECKED BY:



LOCATION: 600 Westlake Avenue N, Seattle

PROJECT NUMBER: 212302587

DRILLING: STARTED 10/28/10 COMPLETED: 11/3/10 INSTALLATION: STARTED 10/28/10 COMPLETED: 11/3/10

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:** SAMPLING EQUIPMENT: Split spoon/PID

WELL / PROBEHOLE / BOREHOLE NO:

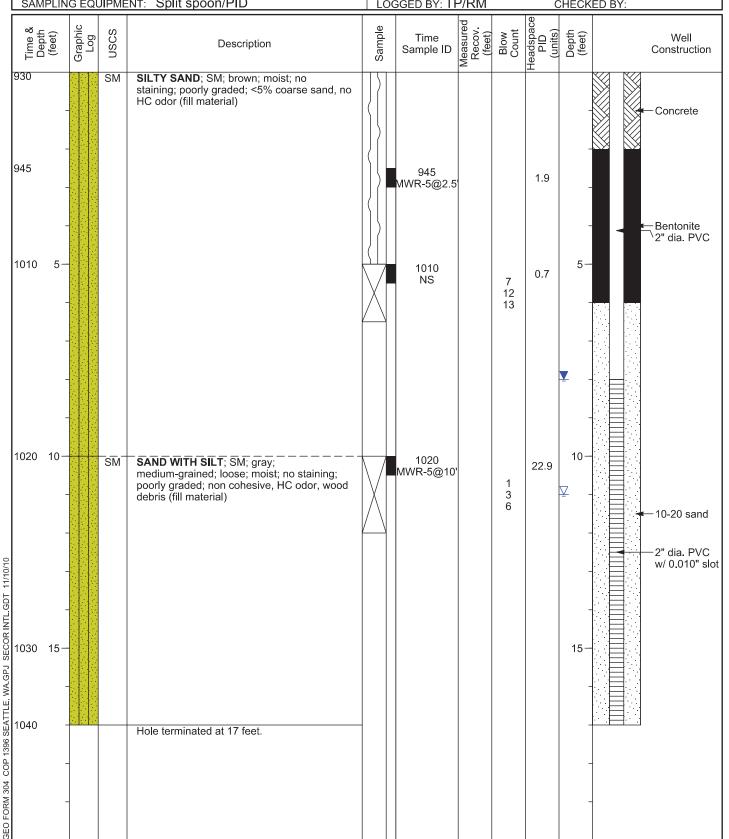
MWR-5 PAGE 1 OF 1

NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): 11 11/3/10

BOREHOLE DEPTH (ft): 17.0 STATIC DTW (ft): 8 11/4/10 WELL DEPTH (ft): 17.0 WELL CASING DIAMETER (in): 2 BOREHOLE DIAMETER (in): 8

SECOR

LOGGED BY: TP/RM CHECKED BY:



LOCATION: 600 Westlake Avenue N, Seattle

PROJECT NUMBER: 212302587

DRILLING:

COMPLETED: 11/3/10 STARTED 10/28/10 INSTALLATION: STARTED 10/28/10 **COMPLETED: 11/3/10**

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:**

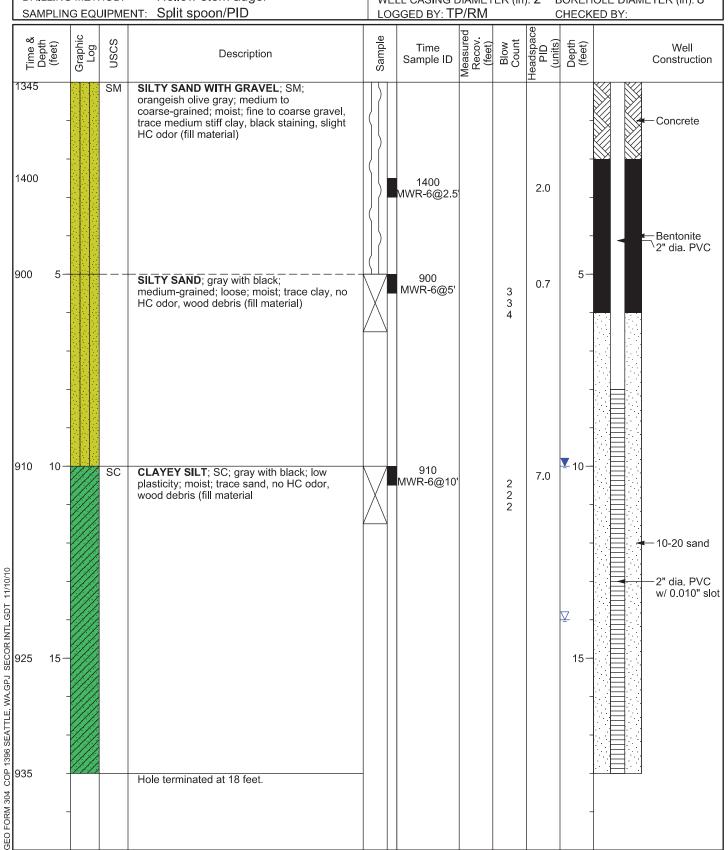
WELL / PROBEHOLE / BOREHOLE NO:

MWR-6 PAGE 1 OF 1

NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft):

INITIAL DTW (ft): 14 11/3/10 BOREHOLE DEPTH (ft): 18.0 STATIC DTW (ft): 10 11/4/10 WELL DEPTH (ft): 18.0 WELL CASING DIAMETER (in): 2 BOREHOLE DIAMETER (in): 8

SECOR



LOCATION: 600 Westlake Avenue N, Seattle

PROJECT NUMBER: 212302587

DRILLING: STARTED 10/28/10 COMPLETED: 11/4/10 INSTALLATION: STARTED 10/28/10 COMPLETED: 11/4/10

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:** SAMPLING EQUIPMENT: Split spoon/PID

WELL / PROBEHOLE / BOREHOLE NO:

SVER-1 PAGE 1 OF 1

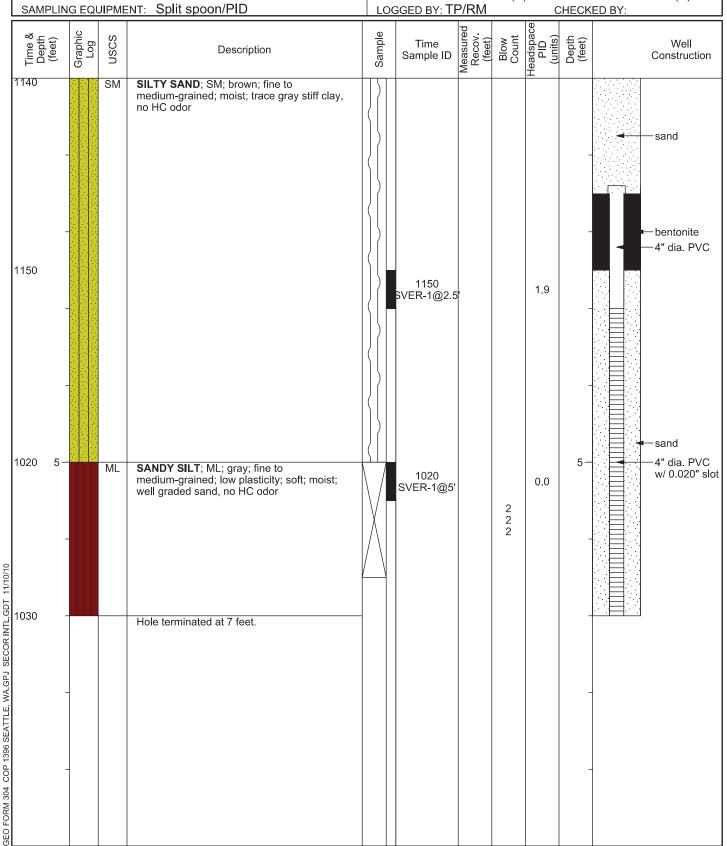
NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): **NE** 11/4/10 BOREHOLE DEPTH (ft): 7.0

STATIC DTW (ft): NE 11/5/10 WELL CASING DIAMETER (in): 4

WELL DEPTH (ft): 7.0 BOREHOLE DIAMETER (in): 10

SECOR

CHECKED BY:



LOCATION: 600 Westlake Avenue N, Seattle

PROJECT NUMBER: 212302587

DRILLING: STARTED 10/28/10 COMPLETED: 11/4/10 INSTALLATION: STARTED 10/28/10 COMPLETED: 11/4/10

Cascade Drilling, Inc. DRILLING COMPANY: DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:** SAMPLING EQUIPMENT: Split spoon/PID

WELL / PROBEHOLE / BOREHOLE NO:

SVER-2 PAGE 1 OF 1

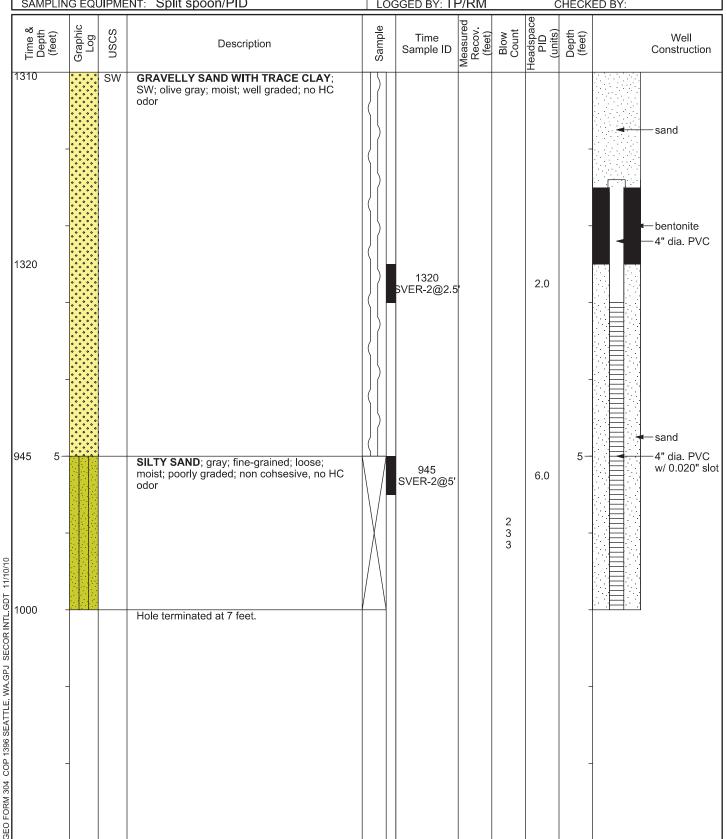
NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft):

INITIAL DTW (ft): **NE** 11/4/10 STATIC DTW (ft): NE 11/5/10 WELL CASING DIAMETER (in): 4

BOREHOLE DEPTH (ft): 7.0 WELL DEPTH (ft): 7.0 BOREHOLE DIAMETER (in): 10

SECOR

LOGGED BY: TP/RM CHECKED BY:



LOCATION: 600 Westlake Avenue N, Seattle

PROJECT NUMBER: 212302587

DRILLING: STARTED 10/28/10 COMPLETED: 11/4/10 INSTALLATION: STARTED 10/28/10 COMPLETED: 11/4/10

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:** SAMPLING EQUIPMENT: Split spoon/PID

WELL / PROBEHOLE / BOREHOLE NO:

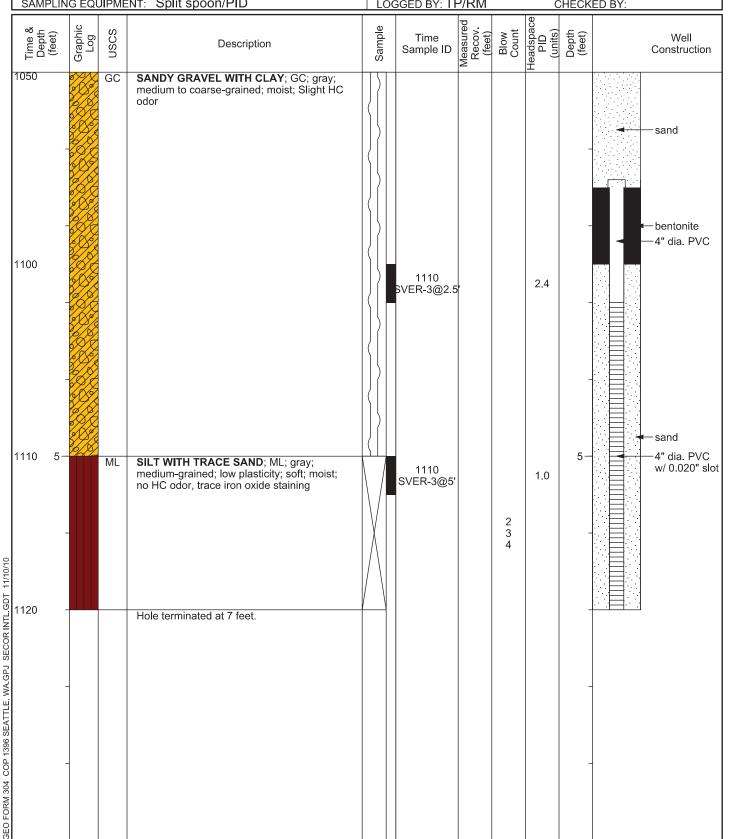
SVER-3 PAGE 1 OF 1

NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft):

INITIAL DTW (ft): **NE** 11/4/10 BOREHOLE DEPTH (ft): 7.0 STATIC DTW (ft): NE 11/5/10 WELL DEPTH (ft): 7.0 WELL CASING DIAMETER (in): 4 BOREHOLE DIAMETER (in): 10

SECOR

LOGGED BY: TP/RM CHECKED BY:



LOCATION: 600 Westlake Avenue N, Seattle

PROJECT NUMBER: 212302587

DRILLING: STARTED 10/28/10 COMPLETED: 11/4/10 INSTALLATION: STARTED 10/28/10 COMPLETED: 11/4/10

Cascade Drilling, Inc. **DRILLING COMPANY:** DRILLING EQUIPMENT: Air knife/Hollow stem auger

Hollow stem auger **DRILLING METHOD:** SAMPLING EQUIPMENT: Split spoon/PID

WELL / PROBEHOLE / BOREHOLE NO:

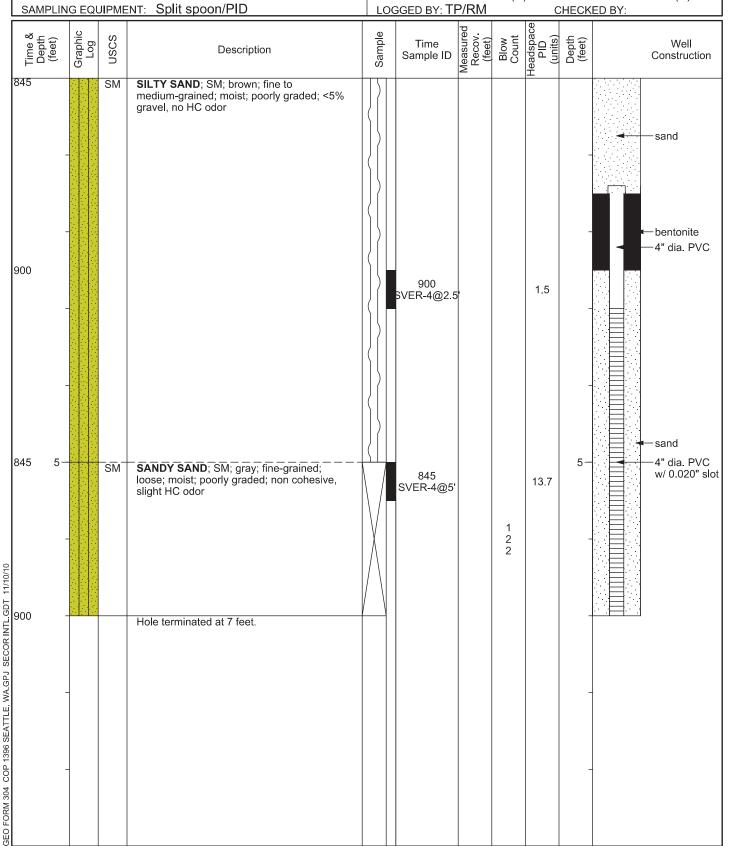
SVER-4 PAGE 1 OF 1

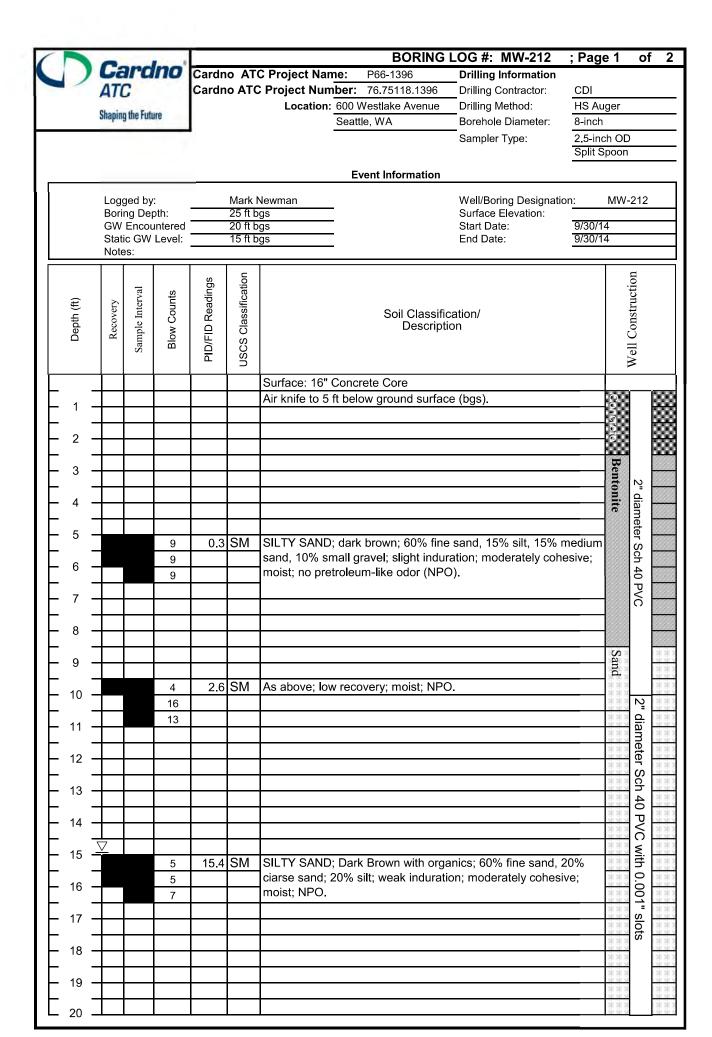
NORTHING (ft): EASTING (ft): LATITUDE: LONGITUDE: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): **NE** 11/4/10 BOREHOLE DEPTH (ft): 7.0

STATIC DTW (ft): NE 11/5/10 WELL DEPTH (ft): 7.0 WELL CASING DIAMETER (in): 4 BOREHOLE DIAMETER (in): 10

SECOR

CHECKED BY:







BORING LOG #: MW-212 ; Page 2 of 2

Cardno ATC Project Name: P66-1396

Cardno ATC Project Number: 76.75118.1396

Location: 600 Westlake Avenue, Seattle, WA

Date: 9/30/2014

Depth (ft)	Recovery	Sample Interval	Blow Counts	PID/FID Readings	USCS Classification	Soil Classification/ Description	well Construction	
- 21 - 22 23 24 25 - 25 -			14 15 16		SW	MEDIUM SAND; grey/brown; 70% medium sand, 20% fine sand, 10% silt; weak induration; slightly cohesive; wet; NPO.	2" diameter Sch 40 PVC with 0.001" slots	
- 26 27 28			3 3	0.4	ML	SILT with FINE SAND; greenish grey; 60% silts, 30% fine sand, 10% clay; very cohesive; slight induration; saturated; NPO. Boring terminated at 25 feet bgs.	"slots	
- 29 - - 30 - - 31 - - 32 -								
- 33 - - 34 -								
- 35 - - 36 - - 37 -								
- 38 - - 39 - - 40 -								



ВО	RING LOG #:	MW-213;	Page 1	of	1
6-1396	Drilling Info	rmation			

Drilling Contractor:

Cardno ATC Project Name: P66-1396
Cardno ATC Project Number: 76.75118.1396
Location: 600 Westlake Avenue

600 Westlake Avenue Drilling Method:

Seattle, WA Borehole Diameter:

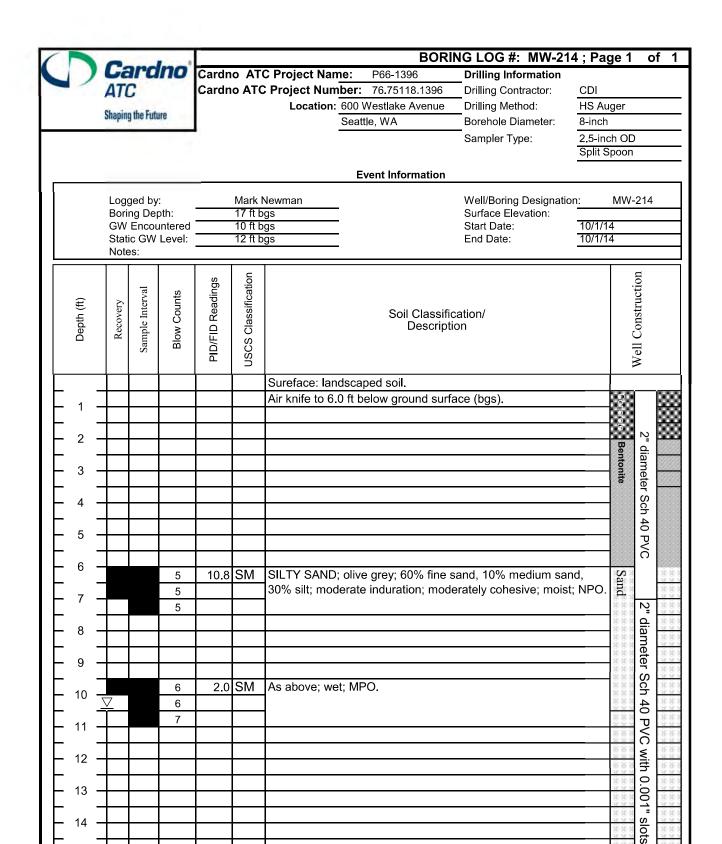
Sampler Type:

CDI
HS Auger
8-inch
2.5-inch OD
Split Spoon

Event Information

Logged by:	Mark Newman	Well/Boring Designation:	MW-213
Boring Depth:	20 ft bgs	Surface Elevation:	
GW Encountered	10 ft bgs	Start Date: 10	0/1/14
Static GW Level:	12 ft bgs	End Date: 10	0/1/14
Notes:	<u> </u>		

							1		
Depth (ft)	Recovery	Sample Interval	Blow Counts	PID/FID Readings	USCS Classification	Soil Classification/ Description	· · · · · · · · · · · · · · · · · · ·	Well Construction	
						Surface: landscaped soil.			
						Air knife to 6.0 ft below ground surface (bgs).	Ç	2	333
_ ' -							i ĝi	d"	333
							-ð.	ian	
- 2 -							Ве	diameter	
T							Bentonite	er S	
3 -							nite	Sch	
								40	
- 4 -							S	PVC	
–							Sand	С	
– 5 –								2"	
–									
F 6 -			14	17	SM	SILTY SAND; dark grey; 60% fine sand, 10% coarse sand, 20%		diameter	
–			11	····	Oivi	gravel, 10% silt; moderate induration; slightly cohesive; moist;		net	
⊢ 7 −			15			NPO.	H	er	
- -			13					Sch	
8 -								'n,	
-				-				40	
- 9 -								PVC	
-				046	CM4	CILTY CAND, light group 700/ modium and 100/ fine and		C)	
<u></u> 10 −	7		8	816	SM	SILTY SAND; light grey; 70% medium sand, 10% fine sand, 20% silt; moderate induration; slightly cohesive; moist; moderate		with	
	¥		10			petroleum-like odor (MPO).		h C	
_ 11 _			13			petroleum inc odor (Wir O).		.0(
-	-							0.001"	
– 12 –									
-								slots	Н
– 13 –									
-									
– 14 –									
-									
– 15 –				4	014	OH TV OAND III III III OOOU T			Ш
⊢ -			10	14.4	SM	SILTY SAND; dark grey and light brown; 80% fine sand, 10%			Ш
– 16 –			10			medium sand, 10% silt; moderate induration; moderately			Ш
- ⊢	\vdash		10			cohesive; wet; MPO.			Ш
— 17 —					<u> </u>				Ш
L	Щ								
– 18 –	Ш								
L									Ш
– 19 –			4			SILTY SAND; dark grey; 60% fine sand, 10% medium sand,			Ш
L			4	4.2	SM	30% silt; alight induration; very cohesive; saturated; MPO			Ш
_ 20 _			5						
						Boring terminated at 20 feet bgs.			



SILTY SAND; olive grey; 60% fine sand, 15% medium sand,

25% silt; moderate induration; moderately cohesive; saturated;

0.4 SM

NPO.

Boring terminated at 17 feet bgs.

3

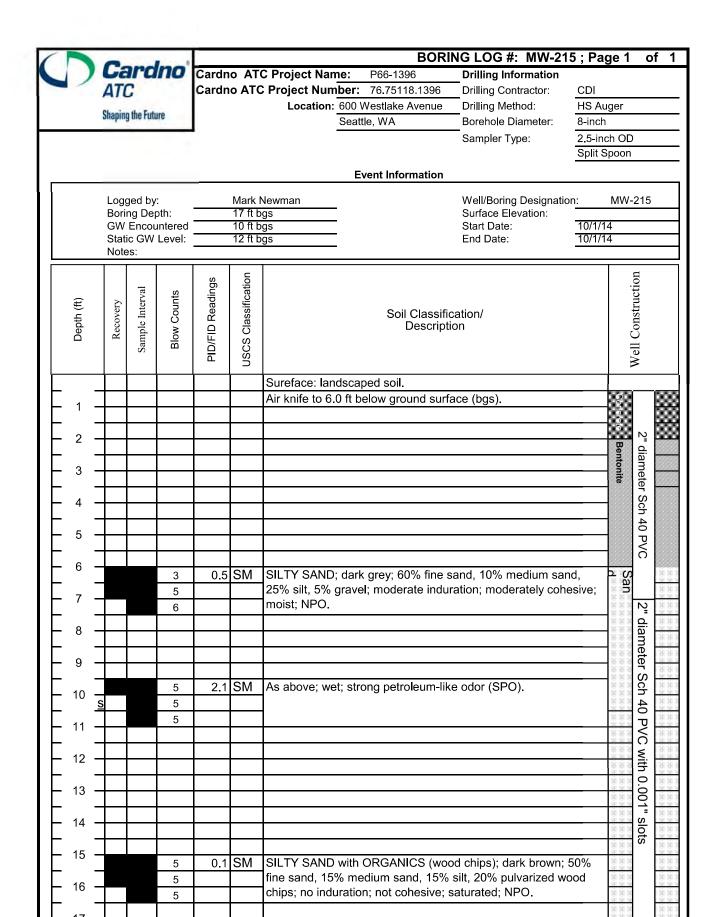
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4

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19

20



Boring terminated at 17 feet bgs.

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				mo	Cardn	o AT	C Project Nam	ne: P66-1396		Drilling Information				
		ATI	C		Cardn	o ATC		ber: 76.75118		_ Drilling Contractor:	CDI			
		Shanin	g the Futi	lire	l		Location:	600 Westlake Av	enue	Drilling Method:	HS Au			
		onapin	guiorun	uiv	ı			Seattle, WA		Borehole Diameter:	8-inch			
										Sampler Type:	2.5-ind			
											Split S	poon		
								Event Inform	ation					
		Loa	ged by	<i>r</i> .		Mark I	Newman			Well/Boring Designation	ın.	MW-	216	
			ng De _l			25 ft b				Surface Elevation:		10100		
				untered		20 ft b				Start Date:	10/2/1			
		Stat Note		Level:		15 ft b	gs			End Date:	10/2/1	4		
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					l sg	ion						١.	10n	
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	Depth (ft)	Recovery	Sample Interval	Blow Counts	PID/FID Readings	USCS Classification			lassific			,	Well Construction	
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					=	Sn						1	≷	
		1					Surface: 16" (Concrete Core						
	_							ft below ground	surface	e (bgs).	_	QU		
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	_											В		
	3 -											Bentonite	2"	
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L	5 -												diameter Sch 40	
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 -	-	-		7	0.3	SW				medium sand with 20°			0 F	
 -	7 -			7			cohesive; mo		ioderat	e induration; moderat	eiy		PVC	
 -	-			7			conesive, mo	131, 141 0					1	
-	8 -	+					-							
 -	-	+										(A)		
—	9 -	+										Sand		
 -	-			4	0.4	SW	As above: slic	htly cohesive; c	rv. NP	0	_	1 111		
	10 -			4	<u> </u>	-	rio abovo, one	jilly concerve, c	y,	<u>. </u>		1	2"	
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L	-			50/5	2.0	SM	SILTY SAND;	silty sand with	pulveriz	zed wood chips; wet; I	NPO.		ţ ,	
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BORING LOG #: MW-216; Page 2 of 2

Cardno ATC Project Name: P66-1396

Cardno ATC Project Number: 76.75118.1396

Location: 600 Westlake Avenue, Seattle, WA

Date: 10/2/2014

	Depth (ft)	Recovery	Sample Interval	Blow Counts	PID/FID Readings	USCS Classification	Soil Classification/ Description		Well Construction	
				50/6			Wood debris, very low recovery.		2	
	21 -								2" diameter Sch 40 PVC with 0.001" slots	
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	22 -								Sch 4	
-	23 -								0 PV	
	24 –								C wit	
F	24 –								h 0.0	
_	25 –			4	0.2	ML	SANDY SILT; olive grey; 60% silt, 20% fine sand, 20% medium		01" s	
	26 -			5			sand; very cohesive; slight induration; saturated, NPO		lots	
 	_			7			Daving to mineted at 25 feet has			
-	27 -						Boring terminated at 25 feet bgs.	-		
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	-						BORII	NG LOG #: MW-217	; Page	1 (of
			no			C Project Nam		Drilling Information			
	A7	\boldsymbol{c}		Cardn	o ATC	-	ber: 76.75118.1396	Drilling Contractor:	CDI		
	Shap	ing the Futi	ure	l .		-	600 Westlake Avenue	Drilling Method:	HS Aug	er	
	- map	ng mo ran		1		-	Seattle, WA	Borehole Diameter:	8-inch		
								Sampler Type:	2.5-inch		
									Split Spo	on	
							Event Information				
	Lo	gged by	<i>,</i> -		Nasrir	n Bastami		Well/Boring Designation	ı. N	/W-21	7
	Bo	ring De _l	pth:		25 ft b			Surface Elevation:			
		V Encou			20 ft b			Start Date:	10/3/14		
		atic GW tes:	Level:		15 ft b	gs		End Date:	10/3/14		
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		1_		gs	Classification					Well Construction	
		Sample Interval	l st	PID/FID Readings	icat					uct	
Depth (ft)	Recovery	Inte	Blow Counts	Zea	ssif		Soil Classific			ıstr	
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	+	1				Surface: 16" 0	Concrete Core		\dashv		
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- 5			8	0.1	ML			e grey; 60% silt, 35% fir	ne	2" diameter Sch 40 PVC	-
_			12			sand, 5% grav	el; low plasticity; moi	st; NPO.		S	
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- 9	+-									Sand	
_			6	0.4	SM	SII TV SAND:	gravish brown: 80%	ine sand, 20% silt; no		٦	
- 10			8	0.4	SIVI	plasticity; mois		ine sand, 20 % siit, no		_	
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BORING LOG #: MW-217; Page 2 of 2

Cardno ATC Project Name: P66-1396

Cardno ATC Project Number: 76.75118.1396

Location: 600 Westlake Avenue, Seattle, WA

Date: 10/3/2014

	Depth (ft)	Recovery	Sample Interval	Blow Counts	PID/FID Readings	USCS Classification	Soil Classification/ Description		Well Construction	
				14	6.8	SM	SILTY SAND; brown; 40% silt, 20% silt, 40% organics (wood		2	
	 21 _			17					2" diameter Sch 40 PVC with 0.001" slots	
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	_ 25 _								.001	
	<u> </u>			14	1.1	ML	SANDY SILT; olive grey; 45% silt, 50% fine sand, 5% organics;		" slc	
L :	26 –			17			low plasticity; saturated, NPO		ots	
<u> </u>	_			7						
- <i>i</i>	27 –						Boring terminated at 25 feet bgs.	_		-
-	_							\vdash		
- 2	28 –									
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	- 30 –									
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1			-			1			BOR	ING LOG #: MW-218;	Page 1	of	- 2
-		,			no	Cardn	o AT	C Project Name	P66-1396	Drilling Information			
			ATI	C		Cardn	o ATC		er: 76.75118.1396		DI		
			Chanin	g the Fut	ure	l			00 Westlake Avenue		lS Auger		
			omapin	guioran	uiv	1		<u>s</u>	eattle, WA		i-inch		
											5-inch O		
										<u>-</u>	Split Spoor	1	
_									Event Information				
			Log	ged by	<i>r</i> .		Nasrir	Bastami		Well/Boring Designation:	MW	-218	
				ng De			25 ft b	gs		Surface Elevation:			
					untered		20 ft b	gs			0/3/14		
			Note		Level:		15 ft b	gs		End Date: 1	0/3/14		
╽╠			1	<u>г</u>	T	1							
				_		gs	ion					Well Construction	
	æ		>	Sample Interval	nts	PID/FID Readings	USCS Classification					uct	
	Depth (ft)		Recovery	Inte	Blow Counts	Rea	assi		Soil Classi			ıstr	
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								Surface: 16" Co	oncrete Core				
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-	- 15	-			50/5	31.0	SIVI		nive grey, 35% line o plasticity; wet; Sf		lics	with	
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BORING LOG #: MW-218; Page 2 of 2

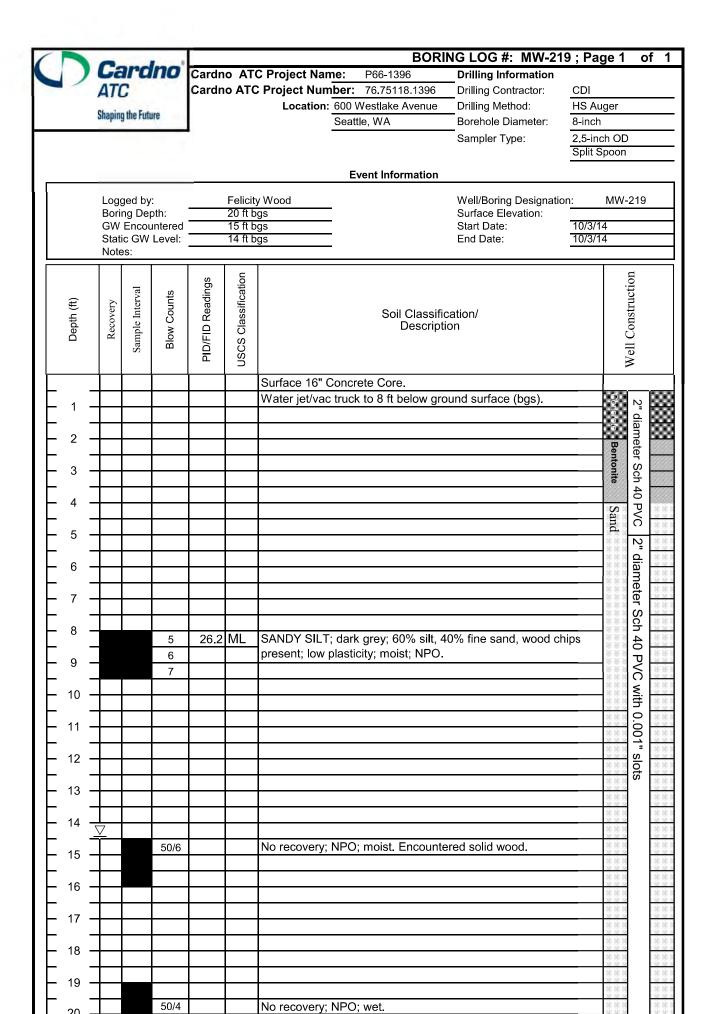
Cardno ATC Project Name: P66-1396

Cardno ATC Project Number: 76.75118.1396

Location: 600 Westlake Avenue, Seattle, WA

Date: 10/3/2014

3	Depth (ft)	Recovery	Sample Interval	Blow Counts	PID/FID Readings	USCS Classification	Soil Classification/ Description		Well Construction	
	_			5/3"	86.0	SM	SILTY SAND; dark brown; 80% organics, 20% silt, 10% sand; NPO; moist; low recovery.		2" di	
- 2	21 –						INFO, ITIOIST, IOW FECOVERY.		2" diameter Sch 40 PVC with 0.001" slots	
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 	_			5/4"	1.1	ML	Wood chips, very low recovery.		slots	
	26 -									
- 2	27 –						Boring terminated at 25 feet bgs.			
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Boring terminated at 20 feet bgs.

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