

APPENDIX C

BORING AND WELL LOGS

**PART 3
OTHER LOGS**



Cardno ATC Project Name: P66-1396	Drilling Information	
Cardno ATC Project Number: 76.75118.1396	Drilling Contractor:	CDI
Location: 600 Westlake Avenue Seattle, WA	Drilling Method:	HS Auger
	Borehole Diameter:	8-inch
	Sampler Type:	2.5-inch OD Split Spoon

Event Information

Logged by: <u>Mark Newman</u>	Well/Boring Designation: <u>MW-214</u>
Boring Depth: <u>17 ft bgs</u>	Surface Elevation: _____
GW Encountered: <u>10 ft bgs</u>	Start Date: <u>10/1/14</u>
Static GW Level: <u>12 ft bgs</u>	End Date: <u>10/1/14</u>
Notes: _____	

Depth (ft)	Recovery	Sample Interval	Blow Counts	PID/FID Readings	USCS Classification	Soil Classification/ Description	Well Construction
1						Surface: landscaped soil. Air knife to 6.0 ft below ground surface (bgs).	Concrete Bentonite 2" diameter Sch 40 PVC
2							
3							
4							
5							
6	█		5	10.8	SM	SILTY SAND; olive grey; 60% fine sand, 10% medium sand, 30% silt; moderate induration; moderately cohesive; moist; NPO.	
7	█		5				2" diameter Sch 40 PVC with 0.001" slots
8							
9							
10	█		6	2.0	SM	As above; wet; MPO.	
11	▽		6				
12			7				
13							
14							
15	█		3	0.4	SM	SILTY SAND; olive grey; 60% fine sand, 15% medium sand, 25% silt; moderate induration; moderately cohesive; saturated; NPO.	
16	█		3				
17			4				
17						Boring terminated at 17 feet bgs.	
18							
19							
20							



Log of Boring: FMW-132

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Date/Time Started: 08/24/2018 @ 1330 **Sampler Type:** 1.5 Split spoon
Date/Time Completed: 08/24/2018 @ 1530 **Drive Hammer (lbs.):** 140
Equipment: Mini-track **Depth of Water ATD (ft bgs):** 7.5
Drilling Company: Geologic Drilling **Total Boring Depth (ft bgs):** 10.0
Drilling Foreman: Blaine Gibson **Total Well Depth (ft bgs):** 10.0
Drilling Method: Hollow Stem Auger

Farallon PN: 397-019

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-1.0'	Concrete, tile and asphalt material.	CO							Monument
	1.0-2.5'	Poorly graded SAND with gravel (80% sand, 15% gravel, 5% silt), medium to coarse sand, fine gravel, brown, dry, no odor. (Fill).	FILL							Bentonite
							0.3	FMW-132-2.5-082418@1320		
5	5.0-6.5'	Sandy SILT (60% sand, 30% silt, 10% gravel), fine sand, fine gravel, brown, dry, very loose, no odor. Fill material consisting of wood & glass debris. Some organic matter present. (Fill).	FILL		100	3 2 1	0.5	FMW-132-5.0-082418@1320	X	Sand Pack
										Pre-packed Screen
10		Drilling crew encountered unidentified hard object while attempting to sample at 10.0 ft bgs. Farallon decided to stop drilling operations and install monitoring well at 10.0 ft bgs.						FMW-132-10.0-082418@1835	X	Water Level

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 1.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 5.0-10.0

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

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



Log of Boring: FMW-133

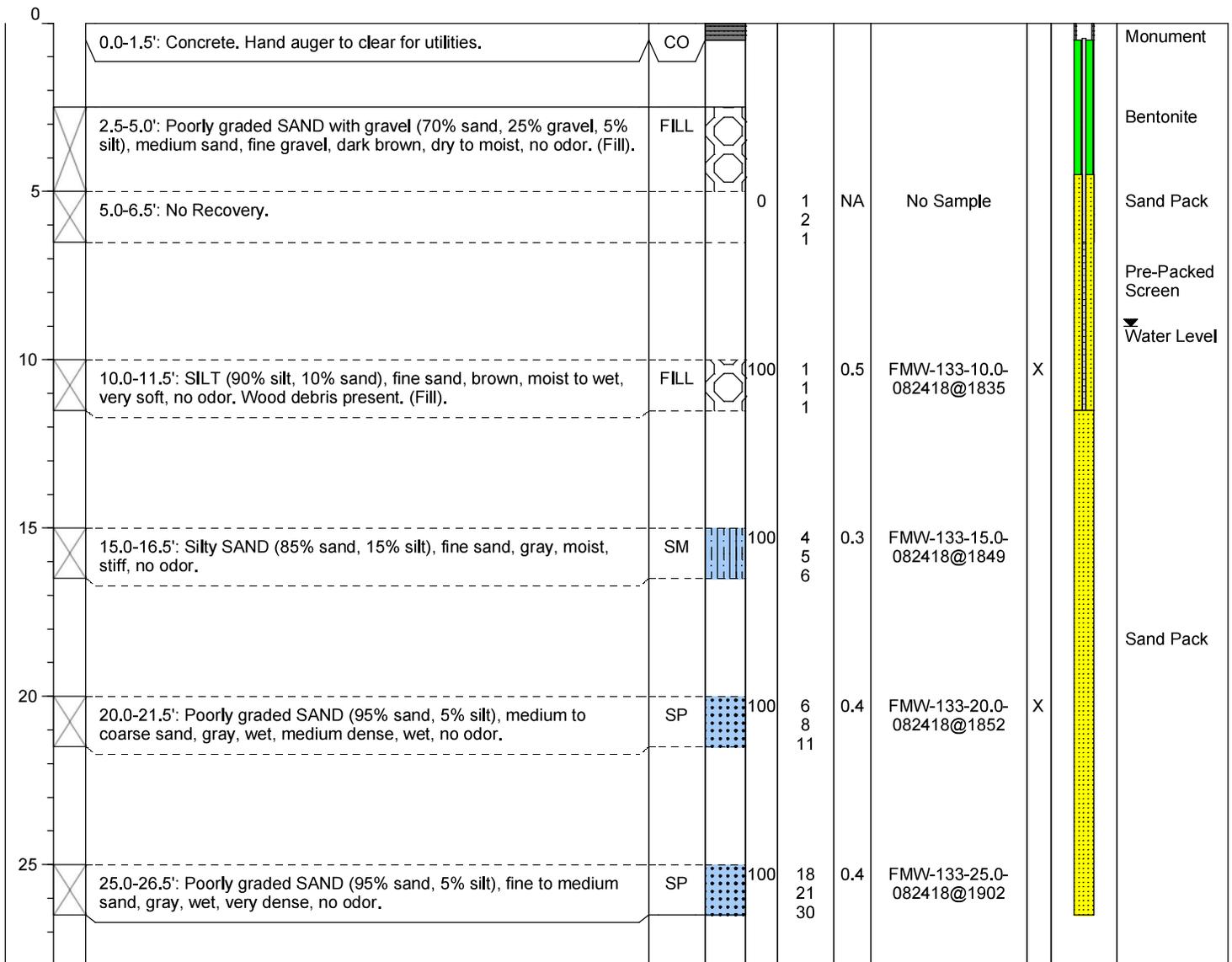
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Date/Time Started: 08/24/2018 @ 1745 **Sampler Type:** 1.5 Split Spoon
Date/Time Completed: 08/24/2018 @ 1902 **Drive Hammer (lbs.):** 140
Equipment: Mini-track **Depth of Water ATD (ft bgs):** 9.0
Drilling Company: Geologic Drilling **Total Boring Depth (ft bgs):** 26.5
Drilling Foreman: Blaine Gibson **Total Well Depth (ft bgs):** 11.5
Drilling Method: Hollow Stem Auger

Farallon PN: 397-019

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

Monument Type: Flush Mount
Casing Diameter (inches): 1.0
Screen Slot Size (inches): 0.01
Screened Interval (ft bgs): 6.5 - 11.5

Filter Pack: Silica/Sand
Surface Seal: Grout/Concrete
Annular Seal: NA
Boring Abandonment: NA

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



Log of Boring: FMW-134

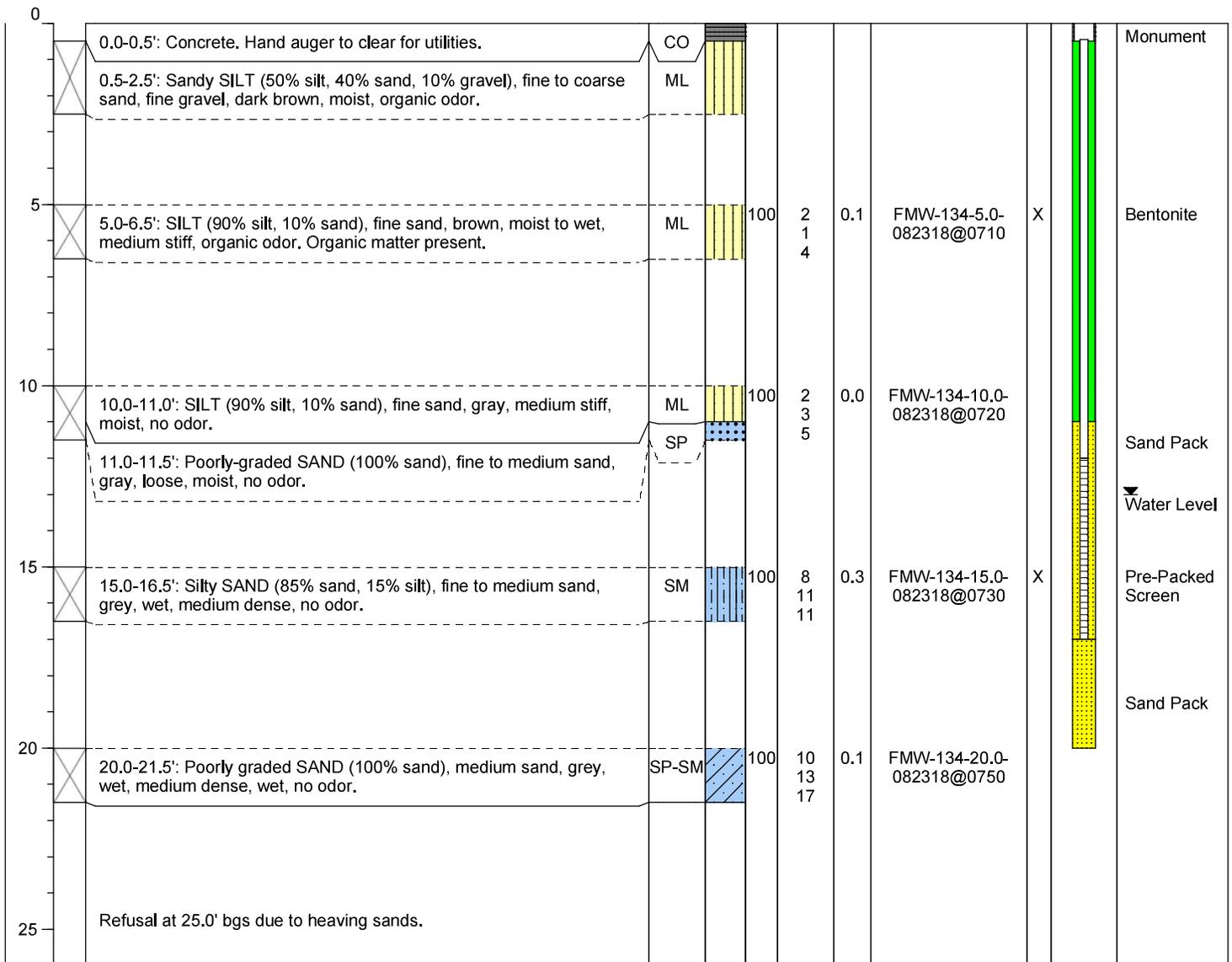
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Date/Time Started: 08/24/2018 @ 0700 **Sampler Type:** 1.5 Split Spoon
Date/Time Completed: 08/24/2018 @ 1030 **Drive Hammer (lbs.):** 140
Equipment: Mini-track **Depth of Water ATD (ft bgs):** 13.0
Drilling Company: Geologic Drilling **Total Boring Depth (ft bgs):** 20.0
Drilling Foreman: Blaine Gibson **Total Well Depth (ft bgs):** 17.0
Drilling Method: Hollow Stem Auger

Farallon PN: 397-019

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

Monument Type: Flush Mount
Casing Diameter (inches): 1.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 12.0-17.0

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

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



Log of Boring: FMW-135

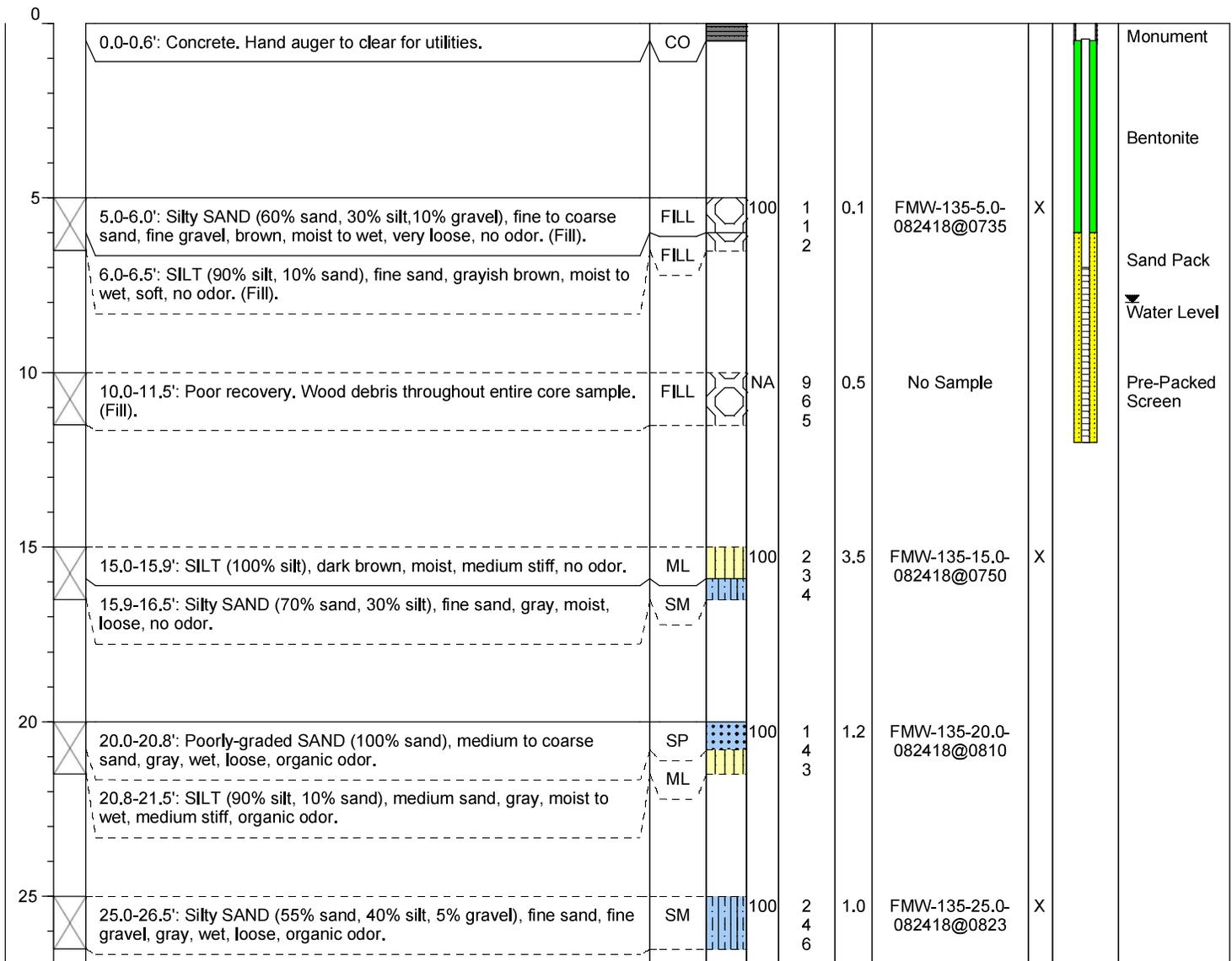
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Date/Time Started: 08/24/2018 @ 0700 **Sampler Type:** 1.5 Split Spoon
Date/Time Completed: 08/24/2018 @ 0950 **Drive Hammer (lbs.):** 140
Equipment: Mini-track **Depth of Water ATD (ft bgs):** 8.0
Drilling Company: Geologic Drilling **Total Boring Depth (ft bgs):** 51.5
Drilling Foreman: Blaine Gibson **Total Well Depth (ft bgs):** 12.0
Drilling Method: Hollow Stem Auger

Farallon PN: 397-019

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

Monument Type: Flush Mount
Casing Diameter (inches): 1.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 7.0-12.0

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

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



Log of Boring: FMW-135

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Date/Time Started: 08/24/2018 @ 0700 **Sampler Type:** 1.5 Split Spoon
Date/Time Completed: 08/24/2018 @ 0950 **Drive Hammer (lbs.):** 140
Equipment: Mini-track **Depth of Water ATD (ft bgs):** 8.0
Drilling Company: Geologic Drilling **Total Boring Depth (ft bgs):** 51.5
Drilling Foreman: Blaine Gibson **Total Well Depth (ft bgs):** 12.0
Drilling Method: Hollow Stem Auger

Farallon PN: 397-019

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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30	30.0-31.5'	Silty SAND (70% sand, 30% silt), fine sand, gray, moist, medium dense, no odor.	SM		100	9 13 15	1.1	FMW-135-30.0-082418@0835	X	
35	35.0-36.5'	Silty SAND (60% sand, 40% silt), fine sand, gray, moist, dense, no odor.	SM		100	15 21 24	0.9	FMW-135-35.0-082418@0850	X	
40	40.0-41.5'	Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, grayish brown, moist, very dense, no odor.	SP-SM		100	22 32 38	1.0	FMW-135-40.0-082418@0915		
45	45.0-46.5'	Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, grayish brown, moist, very dense, no odor.	SP-SM		100	19 26 32	0.9	FMW-135-45.0-082418@0930		
50	50.0-51.5'	Well-graded SAND with gravel (70% sand, 25% gravel, 5% silt), fine to coarse sand, fine gravel, moist to wet, dense, no odor.	SW		100	15 21 18	1.0	FMW-135-50.0-082418@0950	X	

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 1.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 7.0-12.0

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

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



Log of Boring: FMW-136

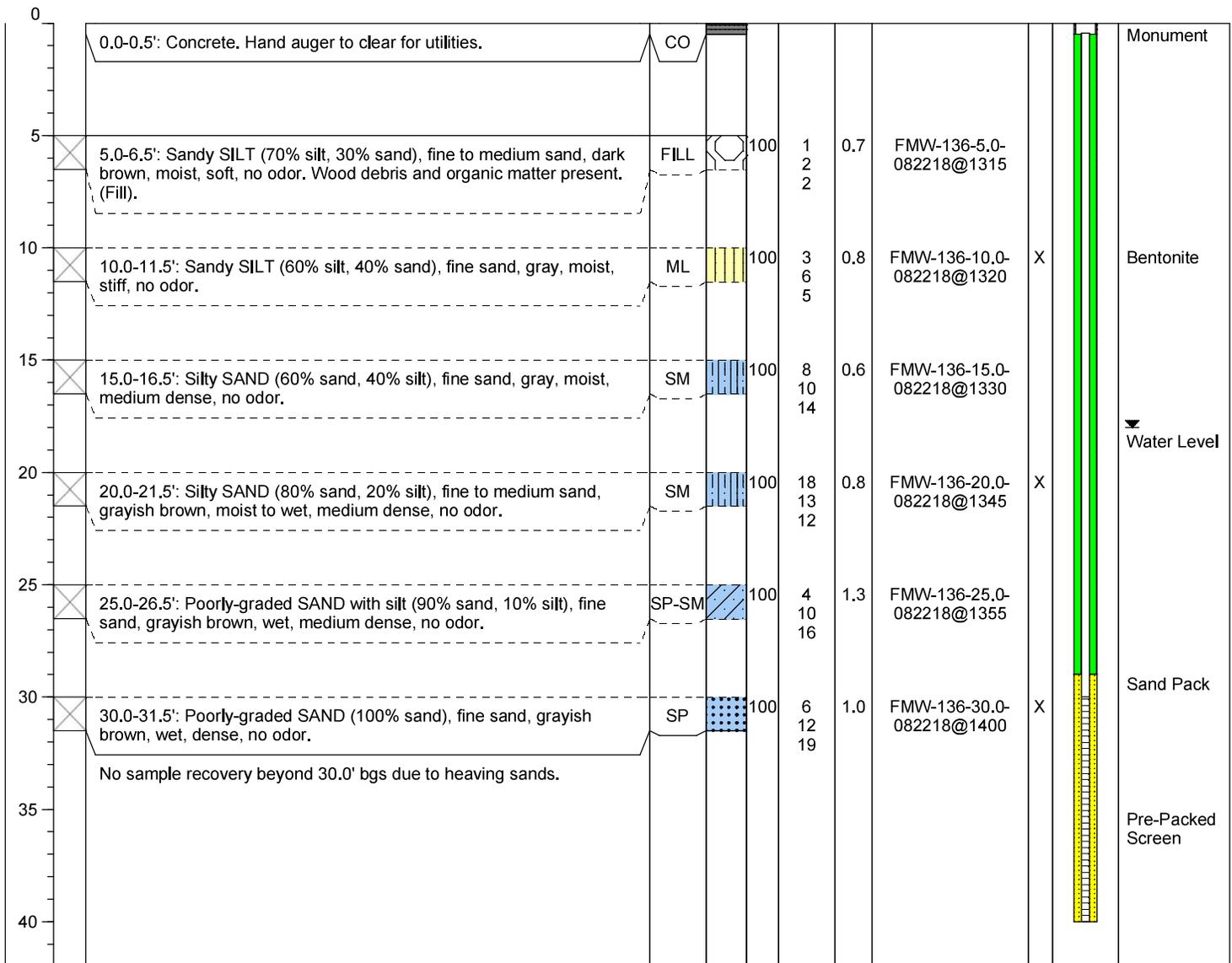
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Date/Time Started: 08/22/2018 @ 1310 **Sampler Type:** 1.5 Split Spoon
Date/Time Completed: 08/22/2018 @ 1400 **Drive Hammer (lbs.):** 140
Equipment: Mini-track **Depth of Water ATD (ft bgs):** 18.0
Drilling Company: Geologic Drilling **Total Boring Depth (ft bgs):** 40.0
Drilling Foreman: Blaine Gibson **Total Well Depth (ft bgs):** NA
Drilling Method: Hollow Stem Auger

Farallon PN: 397-019

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

Monument Type: Flush Mount
Casing Diameter (inches): 1.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 30.0- 40.0

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

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



Log of Boring: FMW-137 **DRAFT**

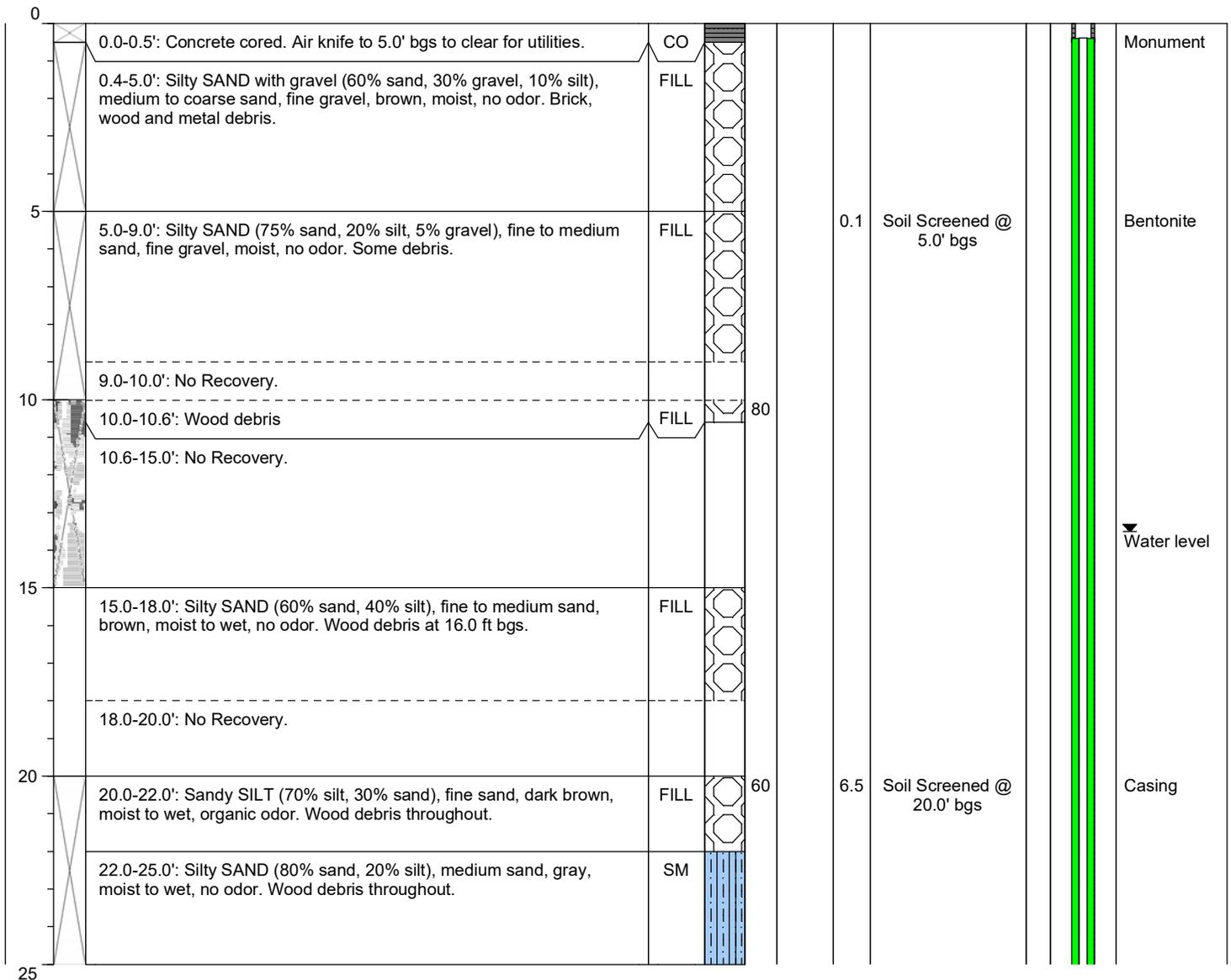
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

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

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: X: NA
Y: NA



Log of Boring: FMW-137 DRAFT

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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25	25.0-27.0'	Silty SAND (60% sand, 40% silt), fine sand, gray, moist to wet, no odor.	SM		100					
	27.0-29.0'	Silty SAND (80% sand, 20% silt), fine to medium sand, gray, moist to wet, no odor.	SM							
	29.0-30.0'	No Recovery.								
30	30.0-35.0'	Silty SAND (70% sand, 30% silt), fine sand, gray, wet, no odor.	SM		100		0.3	Soil Screened @ 30.0' bgs		Bentonite
35	35.0-40.0'	Silty SAND (60% sand, 40% silt), fine sand, gray, moist, no odor.	SM		100					
40	40.0-42.0'	Poorly graded SAND with silt (90% sand, 10% silt), fine to medium sand, gray, moist, no odor.	SP-SM		100		0.3	Soil Screened @ 40.0' bgs		Casing
	42.0-45.0'	Silty SAND (70% sand, 30% silt), fine sand, gray, moist, no odor.	SM							
45	45.0-50.0'	Silty SAND (85% sand, 15% silt), fine sand, grayish brown, moist, no odor.	SM							
50										

Well Construction Information

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

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: X: NA
Y: NA



Log of Boring: FMW-137 **DRAFT**

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
50	50.0-55.0'	Silty SAND (80% sand, 20% silt), fine to medium sand, grayish brown, moist to wet, no odor.	SM		100			3.2	Soil Screened @ 50.0' bgs	Casing
55	55.0-60.0'	Silty SAND (80% sand, 20% silt), fine to medium sand, grayish brown, moist to wet, no odor.	SM							
60	60.0-70.0'	Poorly graded SAND with silt (90% sand, 10% silt), medium sand, grayish brown, moist, no odor.	SP-SM		100			1.3	Soil Screened @ 60.0' bgs	Bentonite
65	70.0-72.0'	Poorly graded SAND with silt (90% sand, 10% silt), medium sand, grayish brown, moist.	SP-SM		100			0.3	Soil Screened @ 70.0' bgs	
70	72.0-75.0'	Poorly graded SAND with silt (80% sand, 10% silt, 10% gravel), medium sand, fine gravel, grayish brown, moist no odor.	SP-SM							
75										Screen (Pre-packed)

Well Construction Information

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

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: X: NA
Y: NA



Log of Boring: FMW-137 **DRAFT**

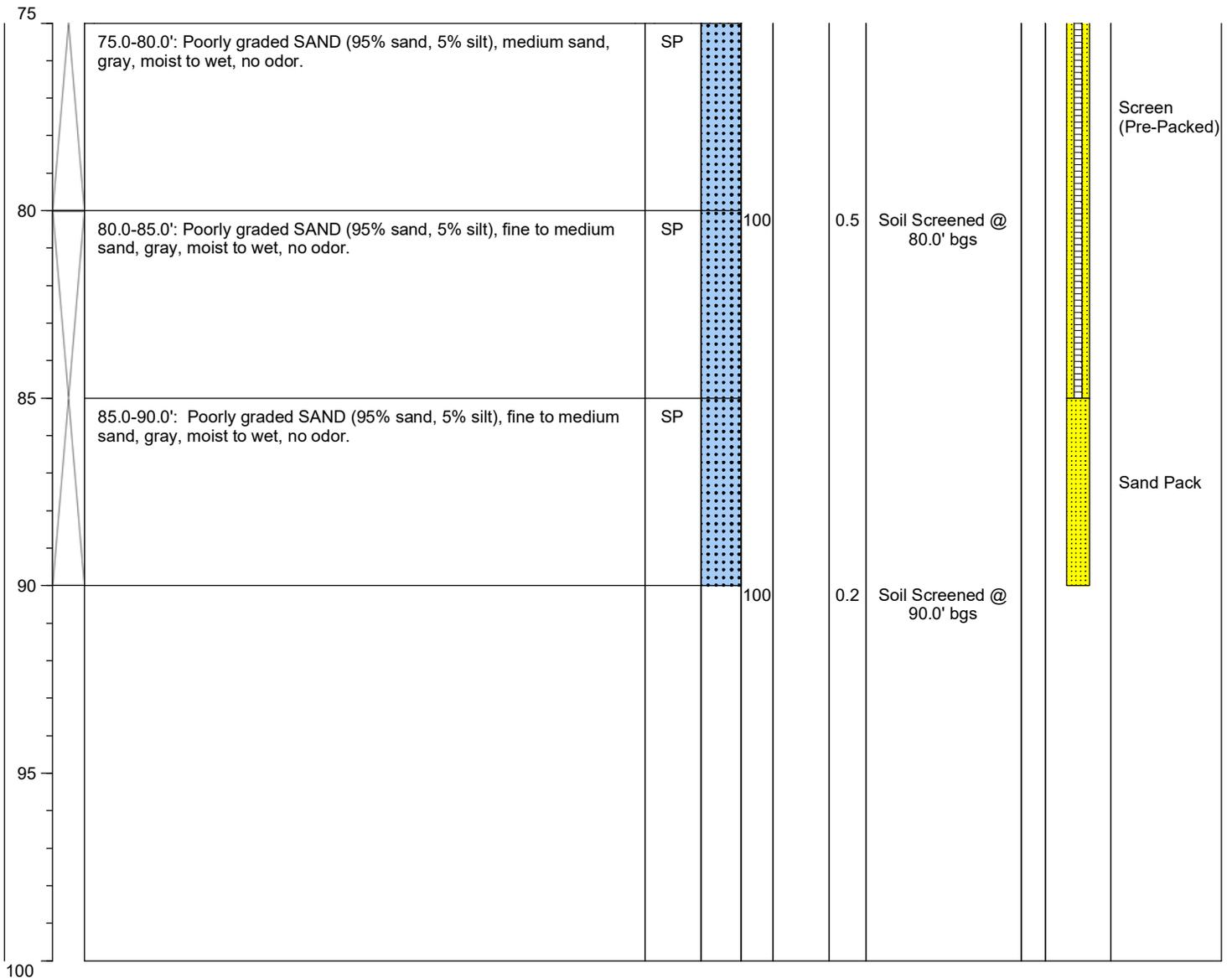
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

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

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: X: NA
Y: NA



Log of Boring: FMW-138 DRAFT

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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0	0.0-0.4':	Concrete cored. Air knife to 5.0' bgs to clear for utilities.	CO							Monument
	0.4-5.0':	Silty SAND with gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand, fine gravel, brown, moist, no odor. concrete sub layer at 2.5' bgs. Brick, wood and metal debris.	FILL							
5	5.0-8.0':	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand, fine gravel, brown moist, no odor. Wood debris through core.	FILL				0.0	Soil Screened @ 5.0' bgs		Bentonite
	8.0-10.0':	No Recovery.								
10	10.0-12.0':	Silty SAND (60% sand, 30% silt, 10% gravel), fine sand, fine gravel, gray, moist, no odor. Wood debris at 12.0' bgs.	FILL		60		0.0	Soil Screened @ 10.0' bgs		
	12.0-15.0':	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine sand, fine gravel, gray, moist, no odor. Wood debris.	FILL							
15	15.0-20.0':	Silty SAND (70% sand, 30% silt), fine sand, fine gravel, grayish brown, moist, organic like odor. Wood debris.	FILL				0.0	Soil Screened @ 15.0' bgs		Casing
20	20.0-25.0':	Sandy SILT (80% silt, 20% sand), fine sand, dark brown, moist to wet, organic like odor. organic matter and some wood debris present.	FILL		100		17.3	Soil Screened @ 20.0' bgs		

Well Construction Information

Monument Type: Flush Mount	Filter Pack: 12/20 Sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA
Screened Interval (ft bgs): 90.0 - 100.0	Boring Abandonment: NA	Y: NA



Log of Boring: FMW-138 DRAFT

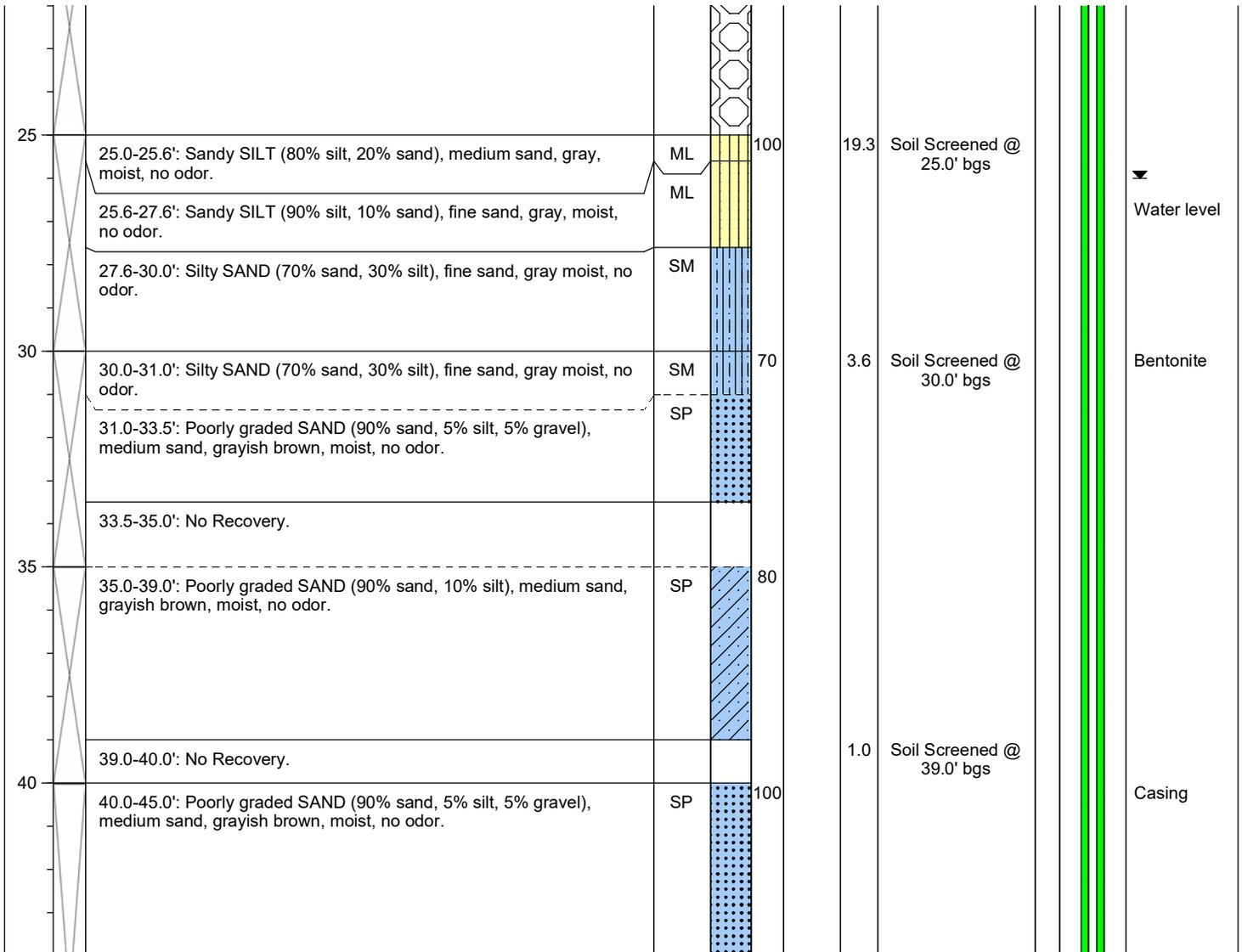
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

Monument Type: Flush Mount	Filter Pack: 12/20 Sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA
Screened Interval (ft bgs): 90.0 - 100.0	Boring Abandonment: NA	Y: NA



Log of Boring: FMW-138 DRAFT

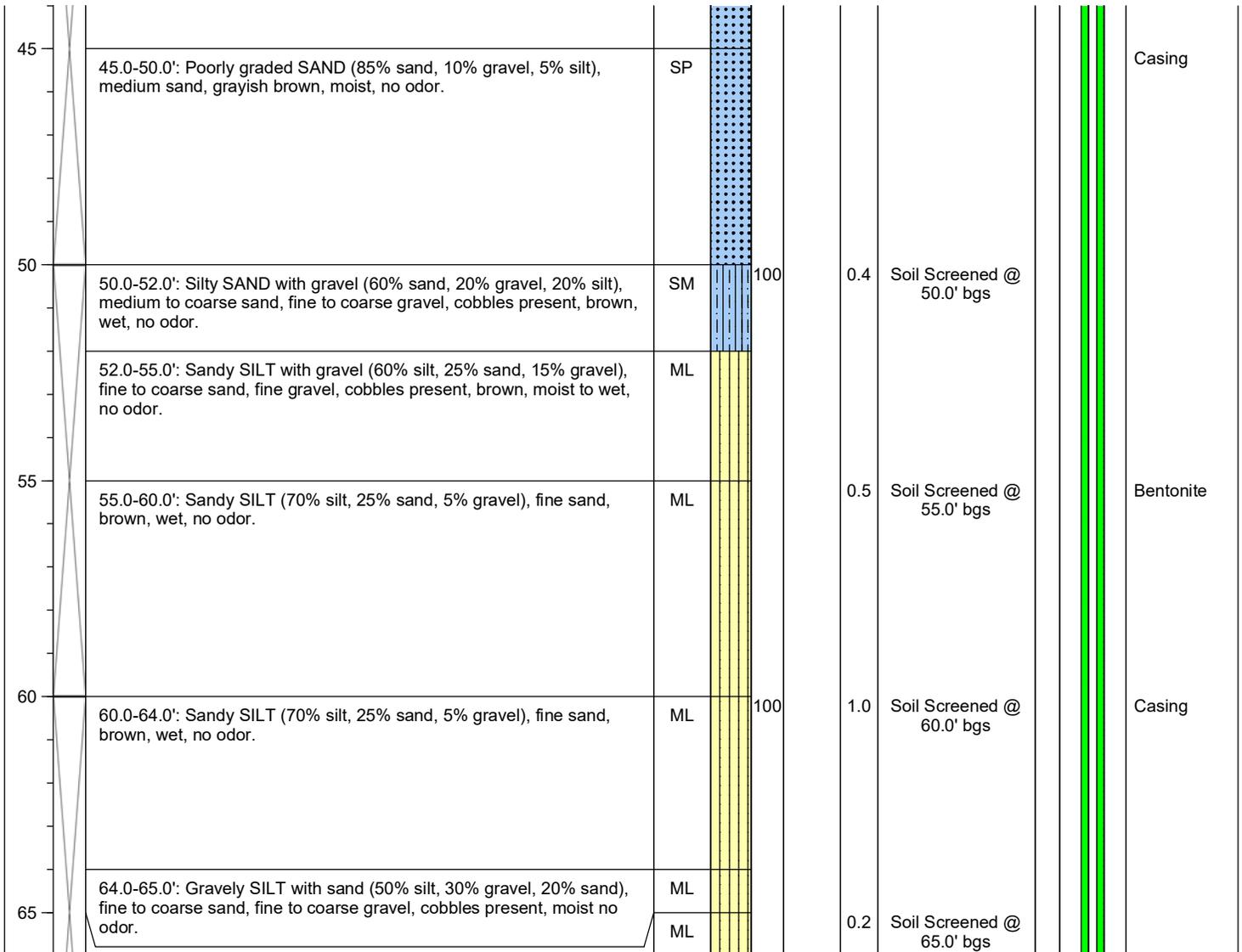
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

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

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: X: NA
 Y: NA



Log of Boring: FMW-138 DRAFT

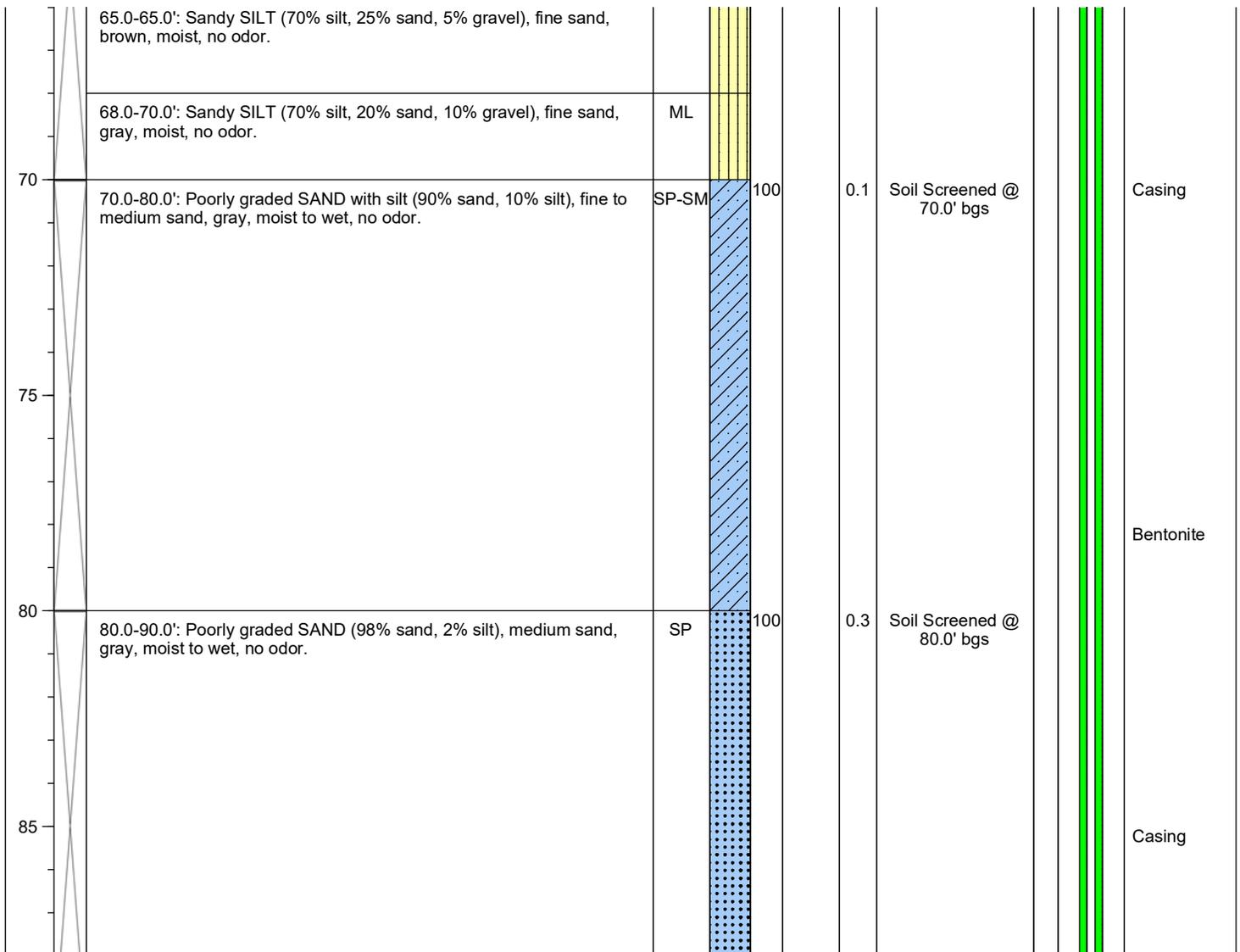
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

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

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: X: NA
 Y: NA



Log of Boring: FMW-138 DRAFT

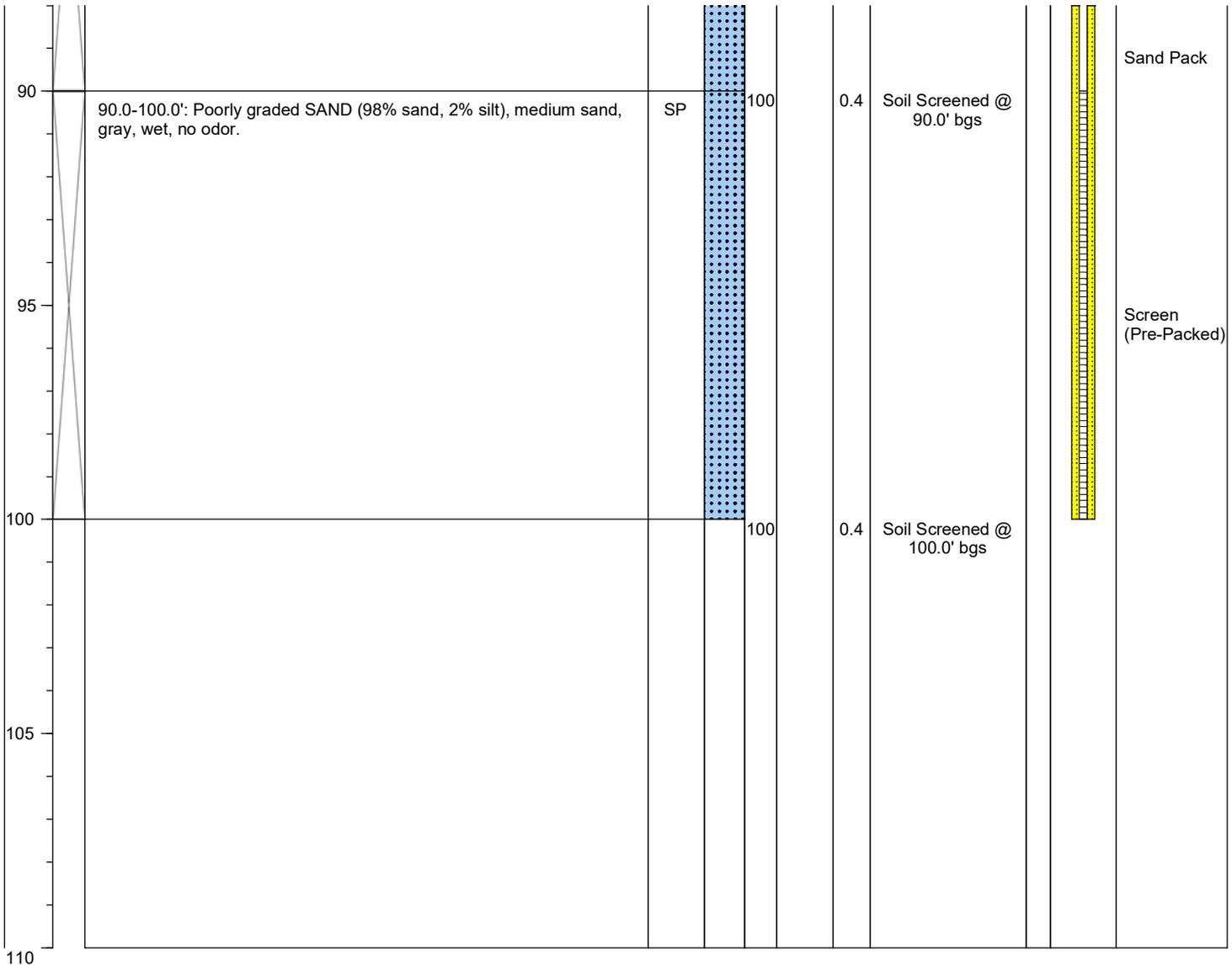
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

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

Farallon PN: 397-061

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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			
Monument Type: Flush Mount	Filter Pack: 12/20 Sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 90.0 - 100.0	Boring Abandonment: NA	Y: NA	

Client: Vulcan, Inc.
Project: BMR-Dexter Property
Location: Seattle, Washington

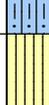
Date/Time Started: 07/12/19 @ 0715
Date/Time Completed: 07/12/19 @ 1430
Equipment: TSI 150CC
Drilling Company: Holocene Drilling
Drilling Foreman: Zack Bailey
Drilling Method: Sonic Drilling

Sampler Type: 5' Polyethylene Bag
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 13.4
Total Boring Depth (ft bgs): 85.0
Total Well Depth (ft bgs): 80.0

Farallon PN: 397-100

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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0	0.00-0.25'	Asphalt. Airknife to 5.0' bgs to clear for utilities.	AC							Asphalt
	0.25-5.0'	Poorly graded SAND with gravel (80% sand, 10% silt, 10% gravel), medium and coarse sand, brown, moist, no odor, metal, rubber, wood debris throughout. (Fill)	SP-SM				0.2			
5	5.0-9.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand, fine gravel, brown, moist, no odor, wood debris throughout. (Fill)	SM		80		0.6	FMW-140.0-5.0	X	
	9.0-10.0'	No recovery.								
10	10.0-12.0'	Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine and medium sand, fine gravel, grayish brown, moist, no odor, wood debris throughout. (Fill)	SP-SM		40		2.3	FMW-140.0-10.0		
	12.0-15.0'	No recovery.								
15	15.0-19.0'	Silty SAND (80% sand, 20% silt), fine and medium sand, grayish brown, moist to wet, no odor.	SM		80		0.0	FMW-140-15.0	X	
	19.0-20.0'	No recovery.								
20	20.0-24.0'	Poorly graded SAND (90% sand, 5% silt, 5% gravel), fine sand, gray, wet, slight hydrocarbon-like odor.	SP		80		0.0	FMW-140-20.0	X	
	24.0-25.0'	No recovery.								
25	25.0-29.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), medium and coarse sand, fine gravel, gray, wet, slight hydrocarbon odor.	SM		80		0.1	FMW-140-25.0	X	
	29.0-30.0'	No recovery.								
30	30.0-35.0'	Silty SAND (50% sand, 45% silt, 5% gravel), fine sand, gray, moist, no odor, brick and wood debris.	SM		100		0.3	FMW-140-30.0	X	
	35.0-40.0'	Silty SAND (50% sand, 40% silt, 10% gravel), fine sand and gravel, gray, moist, no odor.	SM		100		0.3	FMW-140-35.0	X	
40	40.0-45.0'	Sandy silt (80% silt, 20% sand), fine sand, moist, gray, no odor.	ML		100		0.3			
45	45.0-50.0'	Silty SAND (60% sand, 35% silt, 5% gravel), fine to coarse sand, gray, moist, no odor.	SM		100		0.2	FMW-140-45.0		

Well Construction Information
Monument Type: Flush Monument
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 70-80

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

Ground Surface Elevation (ft):
Top of Casing Elevation (ft):
Surveyed Location: X: Y:
Unique Well ID: BLT-940



Client: Vulcan, Inc.
Project: BMR-Dexter Property
Location: Seattle, Washington

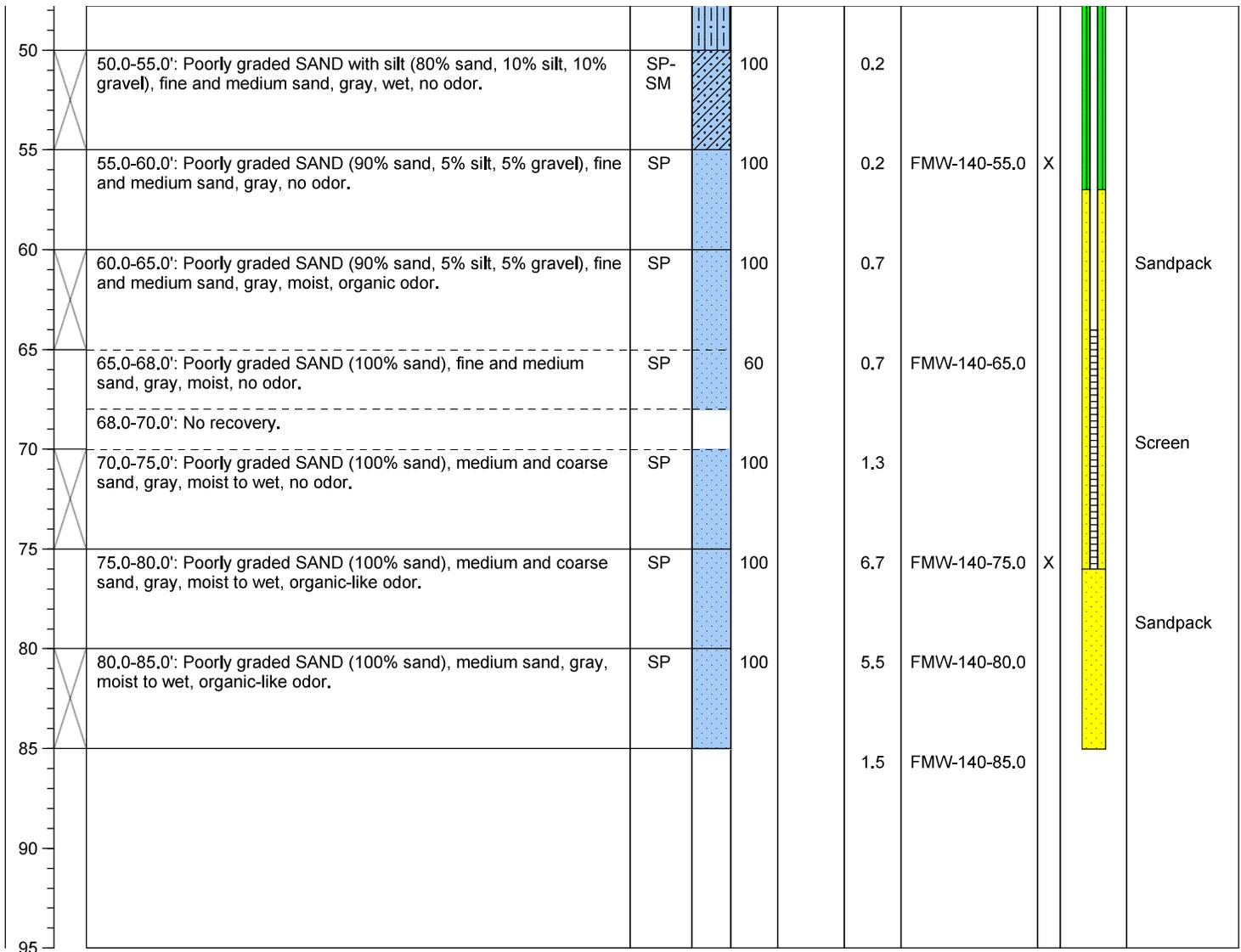
Date/Time Started: 07/12/19 @ 0715
Date/Time Completed: 07/12/19 @ 1430
Equipment: TSI 150CC
Drilling Company: Holocene Drilling
Drilling Foreman: Zack Bailey
Drilling Method: Sonic Drilling

Sampler Type: 5' Polyethylene Bag
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 13.4
Total Boring Depth (ft bgs): 85.0
Total Well Depth (ft bgs): 80.0

Farallon PN: 397-100

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	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

Monument Type: Flush Monument
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 70-80

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

Ground Surface Elevation (ft):
Top of Casing Elevation (ft):
Surveyed Location: X: Y:
Unique Well ID: BLT-940



Log of Boring: FMW-141 DRAFT

Client: Vulcan, Inc.
Project: BMR-Dexter
Location: Seattle, Washington

Date/Time Started: 07/22/19 @1030
Date/Time Completed: 07/22/19 @1900
Equipment: Geoprobe/Sonic
Drilling Company: Cascase Drilling
Drilling Foreman: Dan Rider
Drilling Method: Sonic Drilling

Sampler Type: 5' Polyethylene Bag
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 60.0
Total Well Depth (ft bgs): 57.5

Farallon PN: 397-100

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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0	0.0-0.5': Concrete. Air knife to 5.0' bgs to clear for utilities.		CO							Concrete
	0.3-5.0': Well graded SAND with silt (70% sand, 20% gravel, 10% silt), fine to coarse sand, fine to coarse gravel, brown, moist, no odor. Brick debris. (Fill)		SW-SM							
5	5.0-6.5': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor. Wood and metal debris. (Fill)		SM		30	0.3	FMW-141-5.0-072219	X		
	6.5-10.0': No recovery.									
10	10.0-11.0': Silty SAND (60% sand, 30% silt, 10% gravel), fine to medium sand, moist, no odor. Wood debris. (Fill)		SM		100		FMW-141-10.0-072219			Bentonite
	11.0-15.0': Silty SAND (70% sand, 20% silt, 10% gravel), fine sand, gray, moist, strong hydrocarbon odor. Wood debris. (Fill)		SM							
15	15.0-20.0': Silty SAND (70% sand, 20% silt, 10% gravel), medium sand, gray, moist, slight hydrocarbon odor.		SM		100		FMW-141-15.0-072219	X		
20	20.0-25.0': Silty SAND (50% sand, 45% silt, 5% gravel), fine to medium sand, gray, moist to wet, no odor.		SM		100	2.2	FMW-141-20.0-072219	X		
25	25.0-30.0': Poorly graded SAND with silt (90% sand, 10% silt), fine to medium sand, gray, moist to wet, no odor.		SP-SM		100	0.9	FMW-141-25.0-072219	X		Bentonite
30					0	0.4	FMW-141-30.0-072219	X		

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 47.5-57.5

Filter Pack: 12/20 Sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: N/A

Ground Surface Elevation (ft): N/A
Top of Casing Elevation (ft): N/A
Surveyed Location: X: N/A Y: N/A
Unique Well ID: BLW-341



Client: Vulcan, Inc.
Project: BMR-Dexter
Location: Seattle, Washington

Date/Time Started: 07/22/19 @1030
Date/Time Completed: 07/22/19 @1900
Equipment: Geoprobe/Sonic
Drilling Company: Cascase Drilling
Drilling Foreman: Dan Rider
Drilling Method: Sonic Drilling

Sampler Type: 5' Polyethylene Bag
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 60.0
Total Well Depth (ft bgs): 57.5

Farallon PN: 397-100

Logged By: Greg Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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		30.0-35.0': No recovery.								
35		35.0-40.0': Poorly graded SAND with silt (90% sand, 10% silt), fine to medium sand, gray, moist, no odor.	SP-SM		100					Bentonite
40		40.0-45.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, gray, moist, no odor.	SP-SM		100		2.3			
45		45.0-48.0': Silty SAND (60% sand, 40% silt), fine sand, gray, moist, no odor.	SM		100		0.9	FMW-141-45.0-072219		Sandpack
		48.0-50.0': Silty SAND (50% sand, 40% silt, 10% gravel), fine sand, gray, dry, no odor.	SM		100					
50		50.0-55.0': Silty SAND with gravel (45% sand, 40% silt, 15% gravel), fine sand, gray, dry, no odor.	SM		100					Screen
55		55.0-60.0': Silty SAND with gravel (45% sand, 40% silt, 15% gravel), fine sand, fine gravel, gray, no odor.	SM		100		0.2	FMW-141-55.0-072219		Sandpack
60										Bentonite

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 47.5-57.5

Filter Pack: 12/20 Sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: N/A

Ground Surface Elevation (ft): N/A
Top of Casing Elevation (ft): N/A
Surveyed Location: X: N/A Y: N/A
Unique Well ID: BLW-341



Client: Vulcan, Inc.
Project: BMR-Dexter Property
Location: Seattle, Washington

Date/Time Started: 07/24/19 @ 0830
Date/Time Completed: 07/24/19 @1130
Equipment: Geoprobe/Sonic Rig
Drilling Company: Casacde Drilling
Drilling Foreman: Dan Rider
Drilling Method: Sonic Drilling

Sampler Type: 5' Polyethylene Bag
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): N/A
Total Boring Depth (ft bgs): 45.0
Total Well Depth (ft bgs): 42.5

Farallon PN: 397-100

Logged By: M. Gehring/G. Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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0	0.0-2.0':	Concrete. Air knife to 5.0' to clear for utilities.	CO							Concrete
	2.0-4.0':	Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine gravel, brownish-gray, dry to moist, no odor.	SP-SM							Concrete
	4.0-5.0':	Concrete.	CO							Concrete
5	5.0-10.0':	No recovery.			0					Bentonite
10	10.0-5.0':	No recovery.			0					Bentonite
15	15.0-20.0':	No recovery.			0					Bentonite
20	20.0-24.0':	Poorly-graded SAND with (80% sand, 10% gravel, 10% silt), fine to medium sand, gray, wet, no odor.	SP-SM		80		0.0	FMW-142-20.0-072419		Bentonite

Well Construction Information

Monument Type: Flush mount	Filter Pack: 12/20 Sand	Ground Surface Elevation (ft): N/A
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): N/A
Screen Slot Size (inches): 0.010	Annular Seal: Concrete	Surveyed Location: X: N/A Y: N/A
Screened Interval (ft bgs): 37.5-42.5	Boring Abandonment: N/A	Unique Well ID: BLW-342



Log of Boring: FMW-142 DRAFT

Client: Vulcan, Inc.
Project: BMR-Dexter Property
Location: Seattle, Washington

Date/Time Started: 07/24/19 @ 0830
Date/Time Completed: 07/24/19 @1130
Equipment: Geoprobe/Sonic Rig
Drilling Company: Casacde Drilling
Drilling Foreman: Dan Rider
Drilling Method: Sonic Drilling

Sampler Type: 5' Polyethylene Bag
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): N/A
Total Boring Depth (ft bgs): 45.0
Total Well Depth (ft bgs): 42.5

Farallon PN: 397-100

Logged By: M. Gehring/G. Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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24.0-25.0'		No recovery.								Bentonite
25.0-29.0'		Silty SAND (80% sand, 15% silt, 5% gravel), fine to coarse sand, gray, wet, no odor.	SM		80		0.2	FMW-142-25.0 -072419	X	
29.0-30.0'		No recovery.								
30.0-35.0'		Silty SAND (55% sand, 45% silt), fine sand, gray, wet, no odor.	SM		100		0.1	FMW-142-30.0 -072419		
35.0-40.0'		Silty SAND (55% sand, 45% silt), fine sand, gray, wet, no odor.	SM		100		0.5	FMW-142-35.0 -072419	X	
40.0-42.0'		Silty SAND (55% sand, 45% silt), fine sand, gray, wet, no odor.	SM		100					Screen
42.0-45.0'		Sandy SILT (70% silt, 30% sand), fine sand, gray, wet, no odor.	ML							Sandpack
										Bentonite

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 37.5-42.5

Filter Pack: 12/20 Sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: N/A

Ground Surface Elevation (ft): N/A
Top of Casing Elevation (ft): N/A
Surveyed Location: X: N/A Y: N/A
Unique Well ID: BLW-342



Log of Boring: FMW-143 DRAFT

Client: Vulcan, Inc.
Project: BMR-Dexter Property
Location: Seattle, Washington

Date/Time Started: 07/24/19 @ 1130
Date/Time Completed: 07/24/19 @ 1350
Equipment: Geoprobe/Sonic Rig
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Rider
Drilling Method: Sonic Drilling

Sampler Type: 5' Polyethylene Bag
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 30.0
Total Well Depth (ft bgs): 28.0

Farallon PN: 397-100

Logged By: M.Gehring/G. Peters

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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0	0.0-1.5': Concrete. Air knife to 3.0' bgs to clear for utilities.	CO								Concrete
	1.5-3.0': Well graded SAND with gravel (70% sand, 25% gravel, 5% silt), fine to coarse sand, fine gravel, brown, dry, no odor, concrete sublayer at 3.0' bgs.	SW								
	3.0-5.0': Well graded SAND with gravel (70% sand, 25% gravel, 5% silt), fine to coarse sand, fine gravel, brown, dry, no odor.	SW								
5	5.0-10.0': No recovery.				0	0.4	FMW-143-5.0-072419	X		Bentonite
10	10.0-15.0': Silty SAND (60% sand, 30% silt, 10% gravel), fine to medium sand, grayish brown, moist, no odor.	SM			30	0.8	FMW-143-10.0-072419			
	11.5-15.0': No recovery.									
15	15.0-20.0': Poorly graded SAND with silt (90% sand, 10% silt), medium sand, gray, moist to wet, no odor.	SP-SM			100	0.1	FMW-143-15.0-072419	X		Water Level
										Bentonite
20	20.0-22.5': Poorly graded SAND with silt (80% sand, 10% silt, 10% gravel), medium to coarse sand, gray, wet, no odor.	SP-SM			50	0.2	FMW-143-20.0-072419			
	22.5-25.0': No recovery.									Sandpack
25	25.0-26.0': Well graded SAND with silt (80% sand, 10% silt, 10% gravel), fine to coarse sand, gray, wet, no odor.	SW-SM			20	0.0	FMW-143-25.0-072419			Well Screen
	26.0-30.0': No recovery.									Sandpack
30										Bentonite

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 23.0-28.0

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

Ground Surface Elevation (ft): N/A
Top of Casing Elevation (ft): N/A
Surveyed Location: X: N/A Y: N/A
Unique Well ID: BLW-340

Client: City Investors XI LLC
Project: Block 31
Location: Seattle, Washington

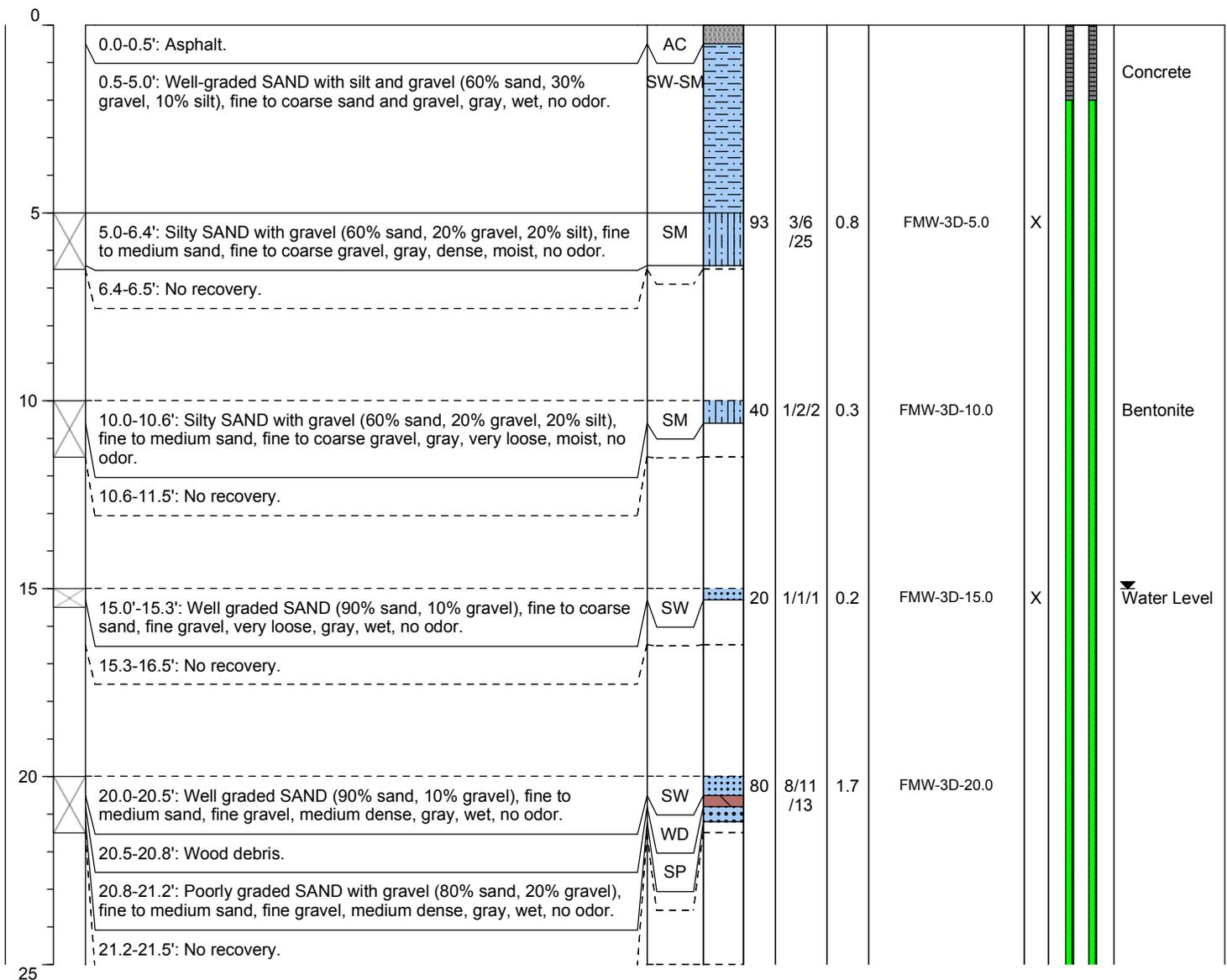
Date/Time Started: 3/7/2016 @ 1150
Date/Time Completed: 3/8/2016 @ 1100
Equipment: BK 81
Drilling Company: Holocene
Drilling Foreman: Jerrod Thompson
Drilling Method: Auger

Sampler Type: 1.5' SPT
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 71.5
Total Well Depth (ft bgs): 69.0

Farallon PN: 397-014

Logged By: Ryan Ostrom

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

Monument Type: Flush	Filter Pack: Sand 10/20	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA
Screened Interval (ft bgs): 59-69	Boring Abandonment: NA	Y: NA



Log of Boring: FMW-3D

Client: City Investors XI LLC
Project: Block 31
Location: Seattle, Washington

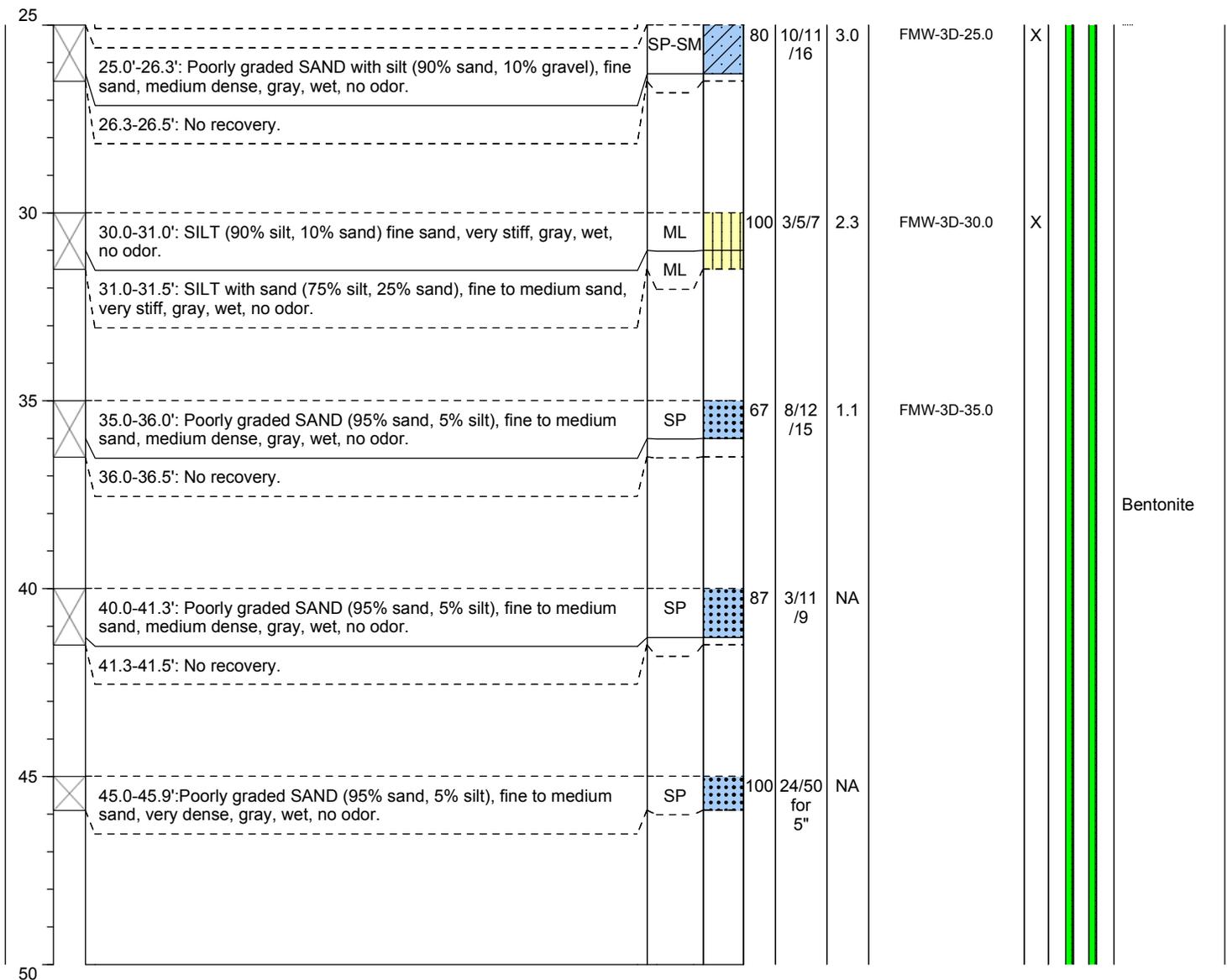
Date/Time Started: 3/7/2016 @ 1150
Date/Time Completed: 3/8/2016 @ 1100
Equipment: BK 81
Drilling Company: Holocene
Drilling Foreman: Jerrod Thompson
Drilling Method: Auger

Sampler Type: 1.5' SPT
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 71.5
Total Well Depth (ft bgs): 69.0

Farallon PN: 397-014

Logged By: Ryan Ostrom

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

Monument Type: Flush	Filter Pack: Sand 10/20	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA
Screened Interval (ft bgs): 59-69	Boring Abandonment: NA	Y: NA



Log of Boring: FMW-3D

Client: City Investors XI LLC
Project: Block 31
Location: Seattle, Washington

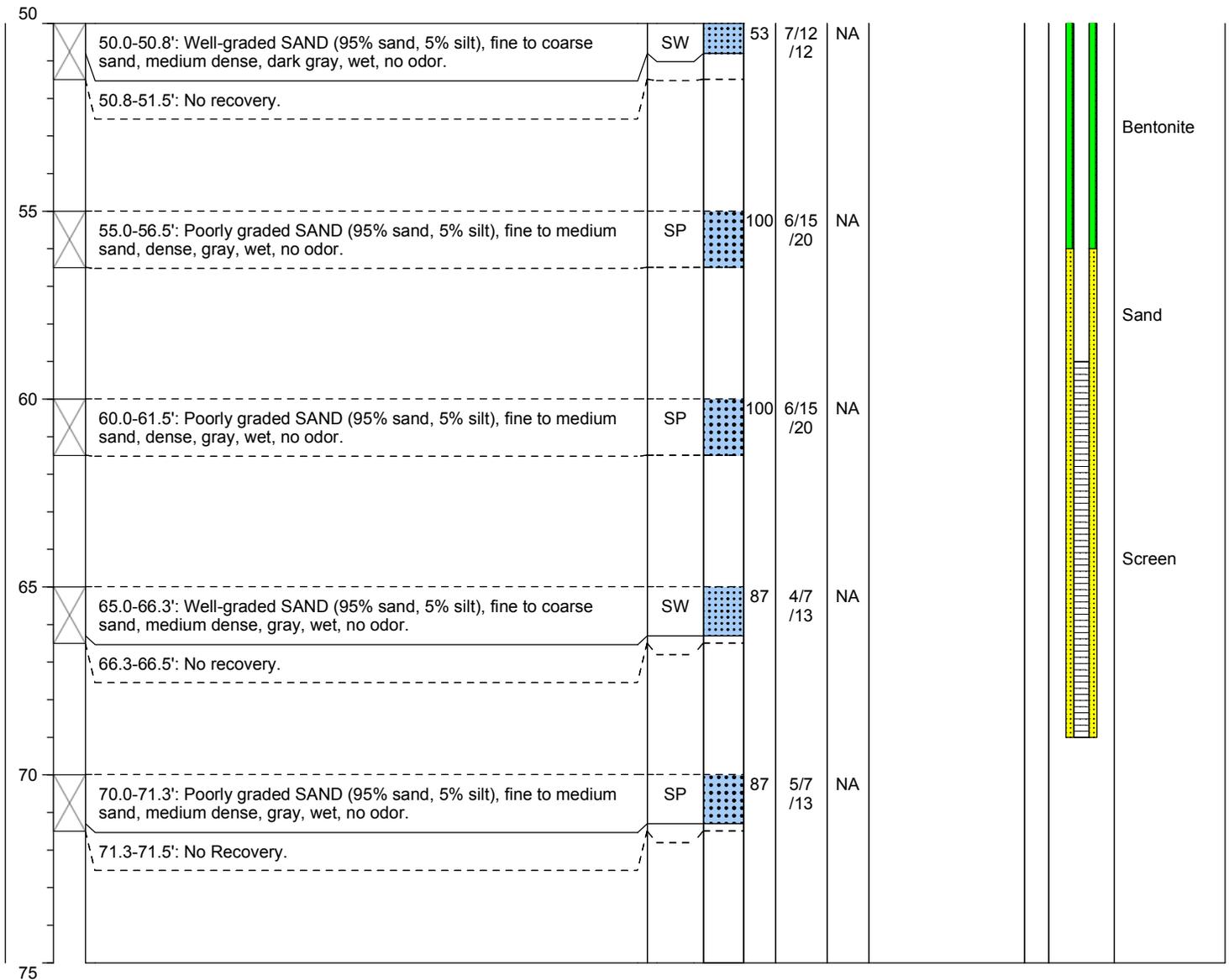
Date/Time Started: 3/7/2016 @ 1150
Date/Time Completed: 3/8/2016 @ 1100
Equipment: BK 81
Drilling Company: Holocene
Drilling Foreman: Jerrod Thompson
Drilling Method: Auger

Sampler Type: 1.5' SPT
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 71.5
Total Well Depth (ft bgs): 69.0

Farallon PN: 397-014

Logged By: Ryan Ostrom

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



Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 59-69

Well Construction Information

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

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

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. REG9958

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice of Intent Number _____

Consulting Firm Farallon (5545)

Unique Ecology Well ID _____

Tag No. BEE 085

Type of Well (select one)

Resource Protection
 Geotech Soil Boring

Property Owner City of Seattle

Site Address 816 Mercer ST

City Seattle County King

Location NW 1/4-1/4 SE 1/4 Sec 30 Twn 25 NR 4E BWS WWA

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller Engineer Trainee Name (Print): Thomas Crumey

Driller/Engineer/Trainee Signature Thomas Crumey

Driller or Trainee License No. 2409

Lat/Long (s, t, r) Lat Deg _____ Lat Min/Sec _____
still REQUIRED) Long Deg _____ Long Min/Sec _____

Tax Parcel No. 224900-0006

Cased or Uncased Diameter 2" Static Level 42'

Work/Decommission Start Date 5-13-14

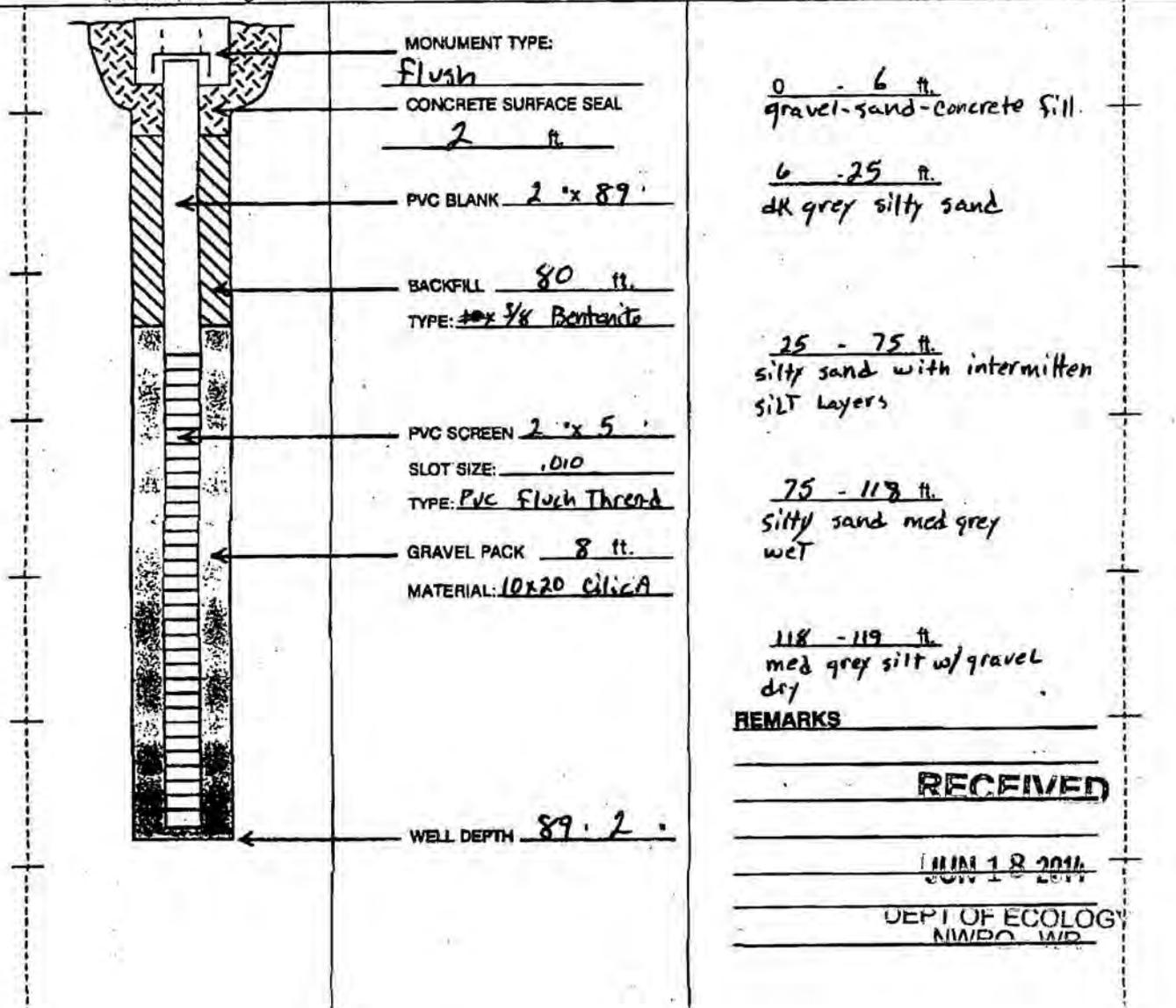
Work/Decommission Completed Date 5-16-14

If trainee, licensed driller's Signature and License No. _____

Construction/Design

Well Data

Formation Description



RECEIVED

JUN 18 2014

DEPT OF ECOLOGY
NWBO WR

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



Log of Boring: FMW-131

Client: Vulcan
Project: Block 37
Location: Seattle, WA

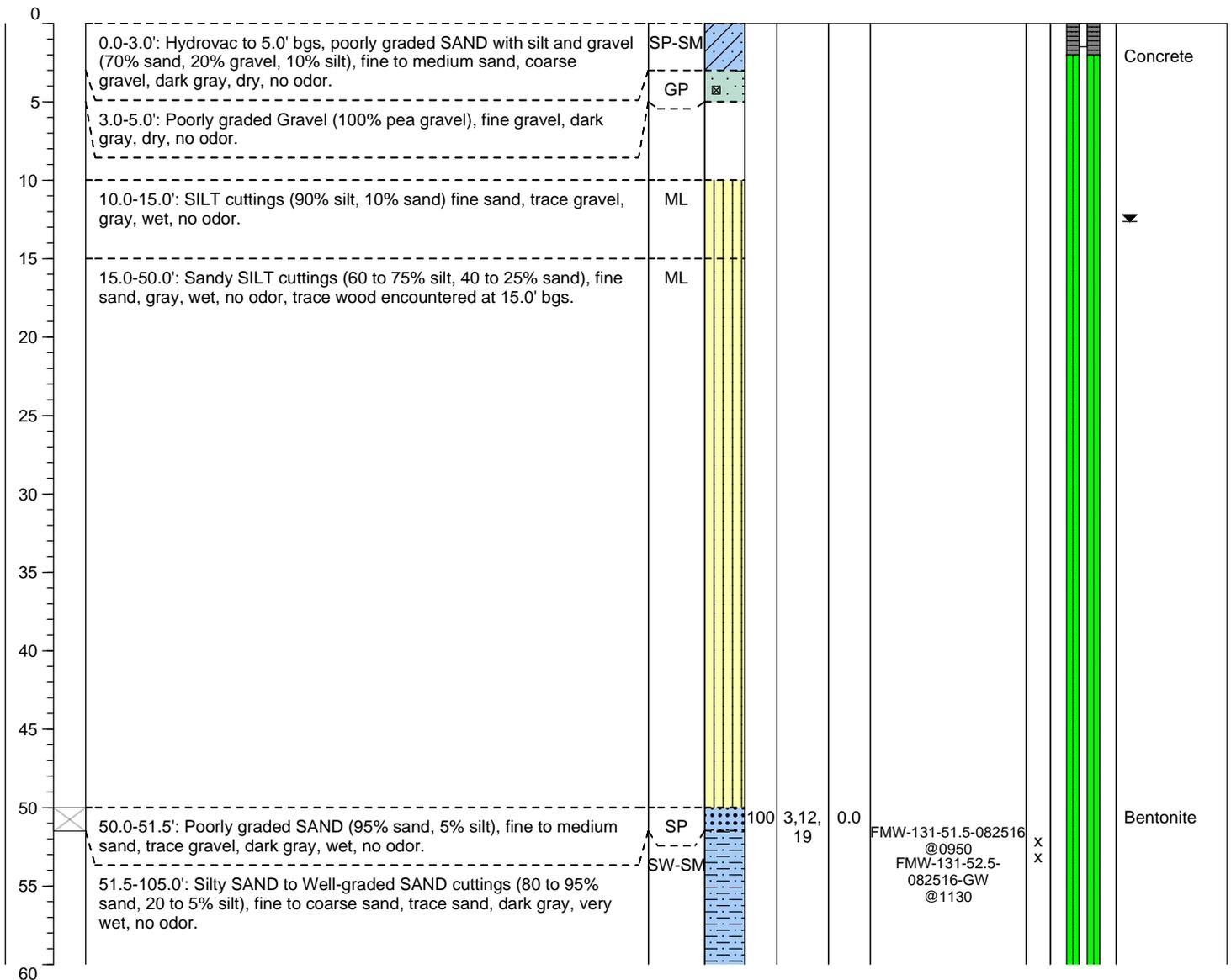
Date/Time Started: 8/30/16 @ 0740
Date/Time Completed: 8/30/16 @ 0918
Equipment: D-120
Drilling Company: Holocene
Drilling Foreman: Matt Graham
Drilling Method: Hollow Stem Auger

Sampler Type: SPT 18"
Drive Hammer (lbs.): 140lbs
Depth of Water ATD (ft bgs): 12.64
Total Boring Depth (ft bgs): 75.0'
Total Well Depth (ft bgs): 74.85'

Farallon PN: 397-010

Logged By: Jared Kerr/ Amber

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



Well Construction Information			
Monument Type: Flush Mount	Filter Pack: Silica Sand 10-20	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2"	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.010"	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 63-73'	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-131

Client: Vulcan
Project: Block 37
Location: Seattle, WA

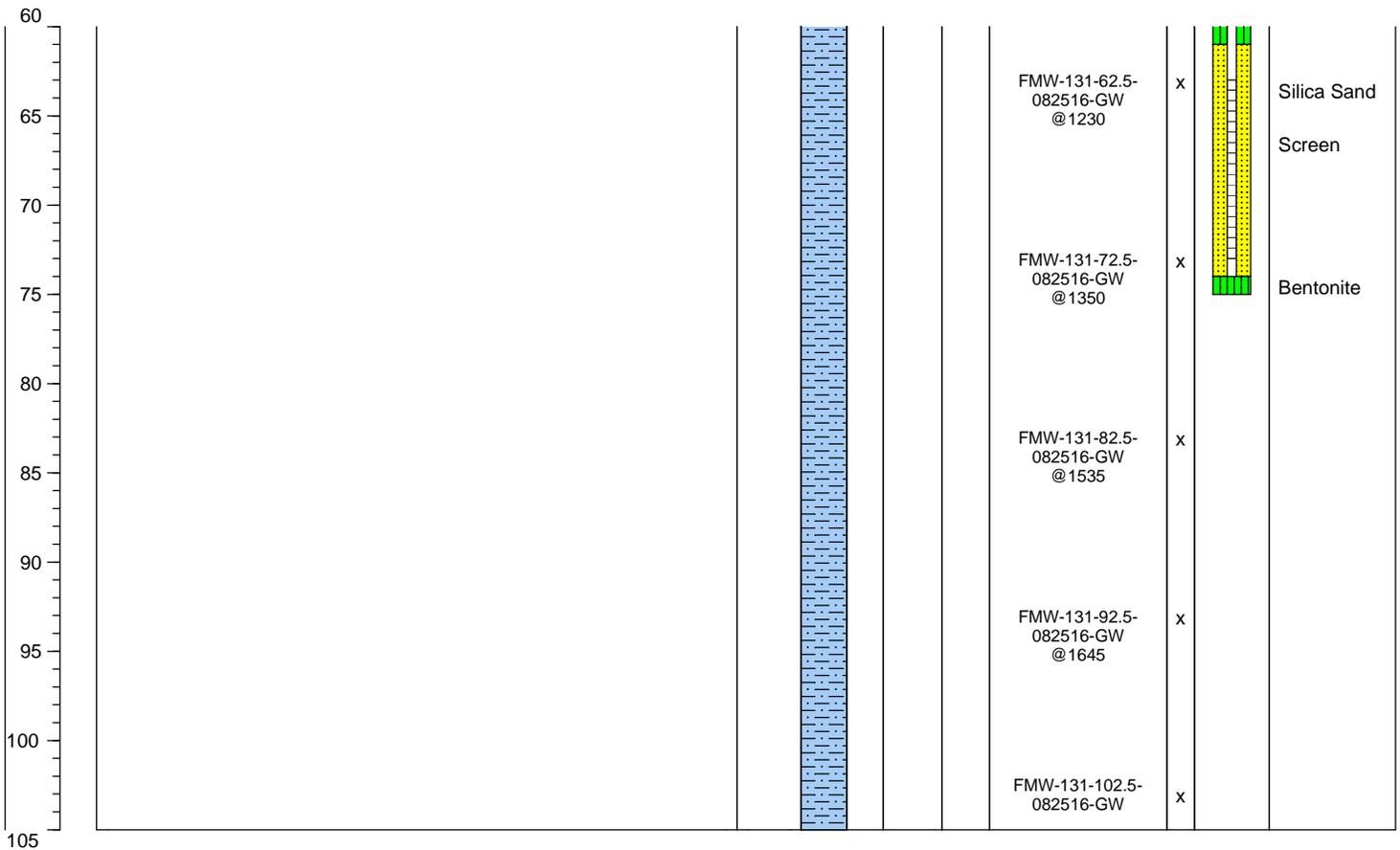
Date/Time Started: 8/30/16 @ 0740
Date/Time Completed: 8/30/16 @ 0918
Equipment: D-120
Drilling Company: Holocene
Drilling Foreman: Matt Graham
Drilling Method: Hollow Stem Auger

Sampler Type: SPT 18"
Drive Hammer (lbs.): 140lbs
Depth of Water ATD (ft bgs): 12.64
Total Boring Depth (ft bgs): 75.0'
Total Well Depth (ft bgs): 74.85'

Farallon PN: 397-010

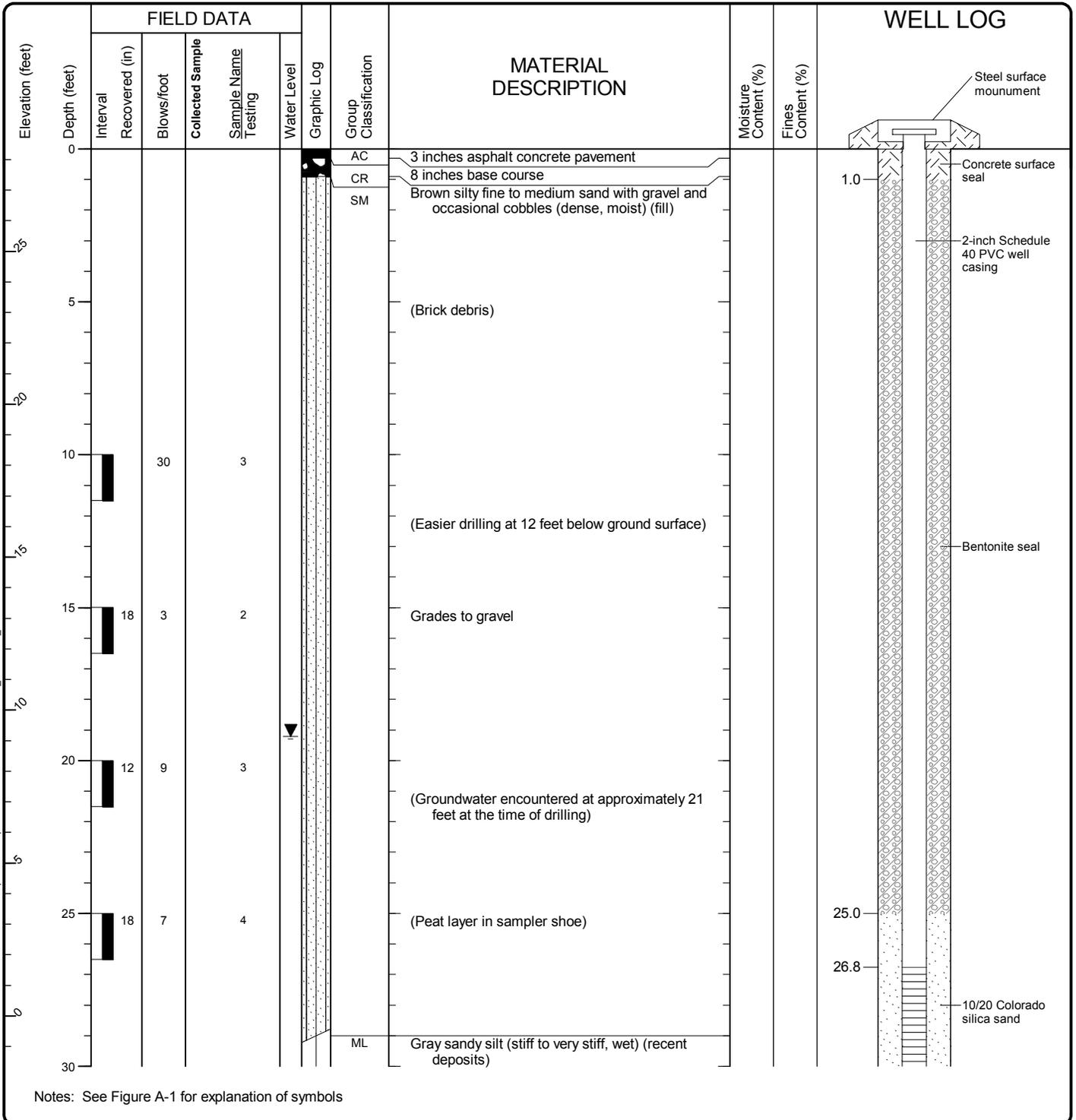
Logged By: Jared Kerr/ Amber

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



Well Construction Information			
Monument Type: Flush Mount	Filter Pack: Silica Sand 10-20	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2"	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.010"	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 63-73'	Boring Abandonment: NA	Y: NA	

Start Drilled	4/16/2014	End	4/16/2014	Total Depth (ft)	81.5	Logged By	TKC	Checked By	DPC	Driller	Geologic Drill	Drilling Method	Hollow-Stem Auger		
Hammer Data	Pneumatic 140 (lbs) / 30 (in) Drop			Drilling Equipment		Diedrich D-50 Turbo		DOE Well I.D.: BJ 461 A 2 (in) well was installed on 4/16/2014 to a depth of 36.75 (ft).							
Surface Elevation (ft)	28.35			Top of Casing Elevation (ft)		27.95		Groundwater Date Measured		7/1/2014		Depth to Water (ft)	19.2	Elevation (ft)	8.7
Vertical Datum	NAVD88			Horizontal Datum		NAD83									
Easting (X)	1269362.7704			Northing (Y)		231828.1831									
Notes:															

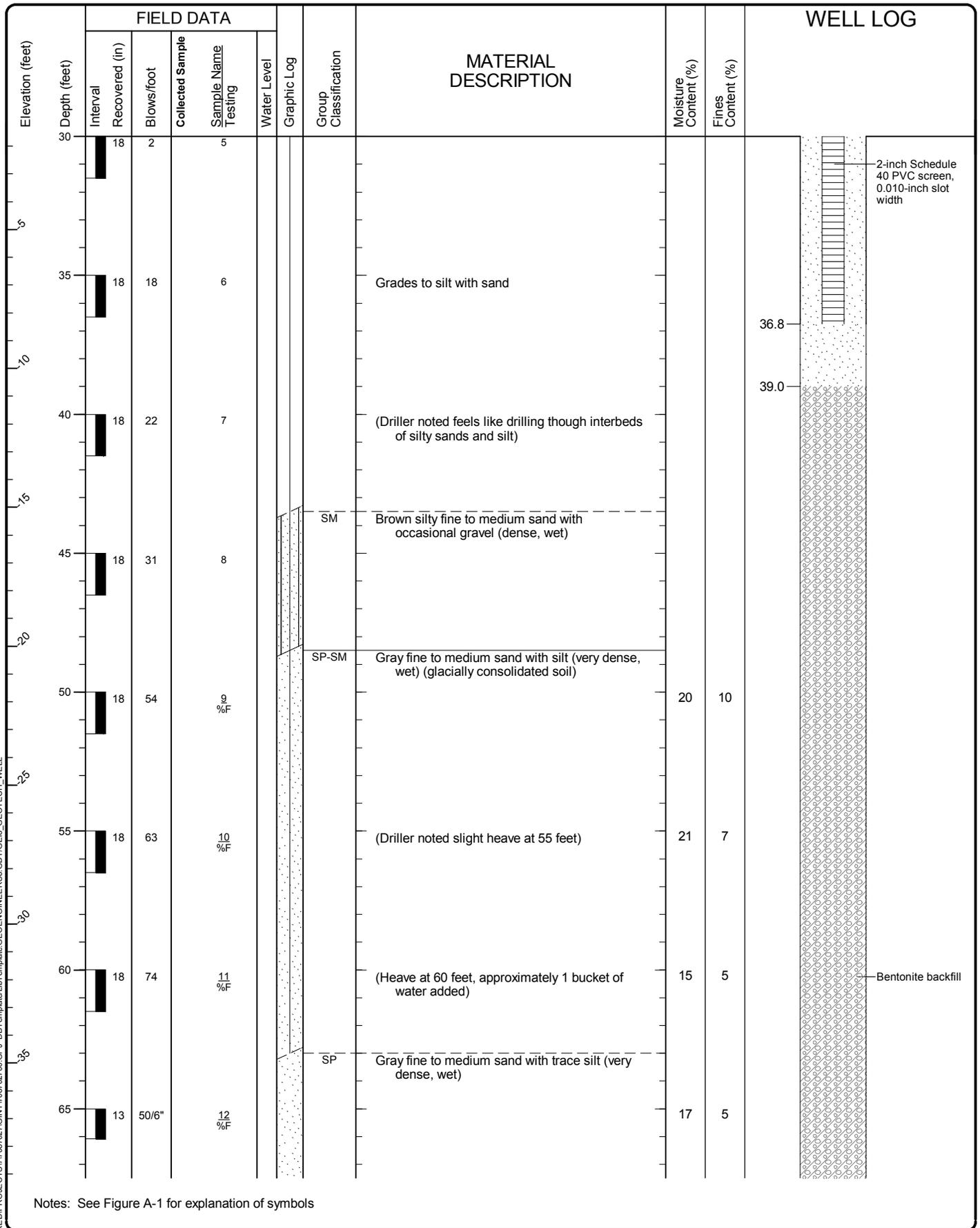


Log of Monitoring Well B-37-1



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\REPROJ\PROJECTS\7087\027\GINT\7087\02700\GP_J\DBT\template\LIB\template\GEOENGINEERS.GDT\GEIR_GEO TECH_WELL

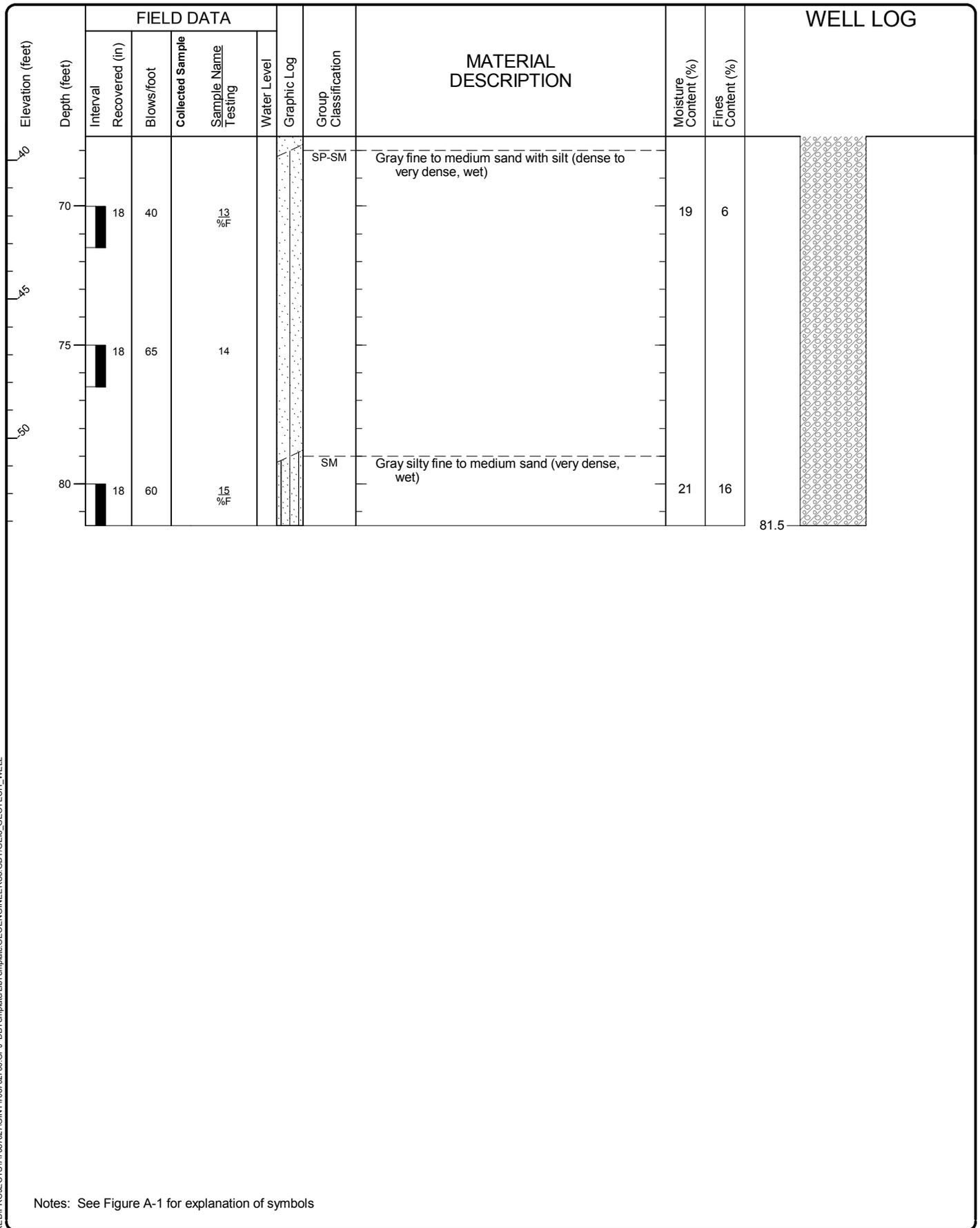


Log of Monitoring Well B-37-1 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/31/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700.GPJ DBT\template\UBT\template\GEOENGINEERS.GDT\GEIR_GEOTECH_WELL



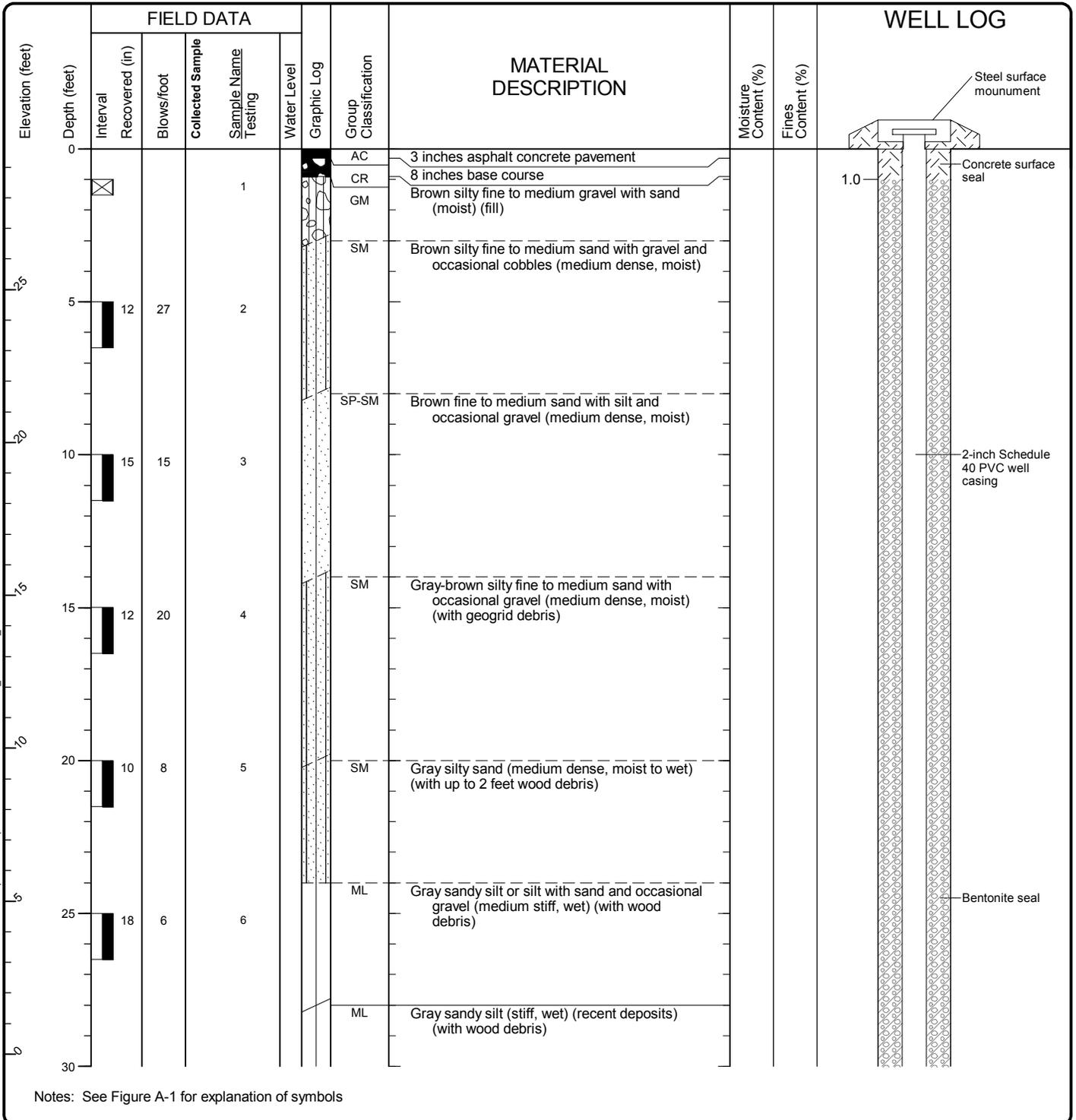
Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-37-1 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Start Drilled	4/16/2014	End	4/17/2014	Total Depth (ft)	81.5	Logged By	TKC	Checked By	DPC	Driller	Geologic Drill	Drilling Method	Hollow-Stem Auger		
Hammer Data	Pneumatic 140 (lbs) / 30 (in) Drop			Drilling Equipment		Diedrich D-50 Turbo		DOE Well I.D.: BJ 462 A 2 (in) well was installed on 4/16/2014 to a depth of 60.61 (ft).							
Surface Elevation (ft)	29.6			Top of Casing Elevation (ft)		29.38		Groundwater Date Measured		7/1/2014		Depth to Water (ft)	31.4	Elevation (ft)	-2.0
Vertical Datum	NAVD88			Horizontal Datum		NAD83									
Easting (X)	1269358.7011			Northing (Y)		231666.0835									
Notes:															

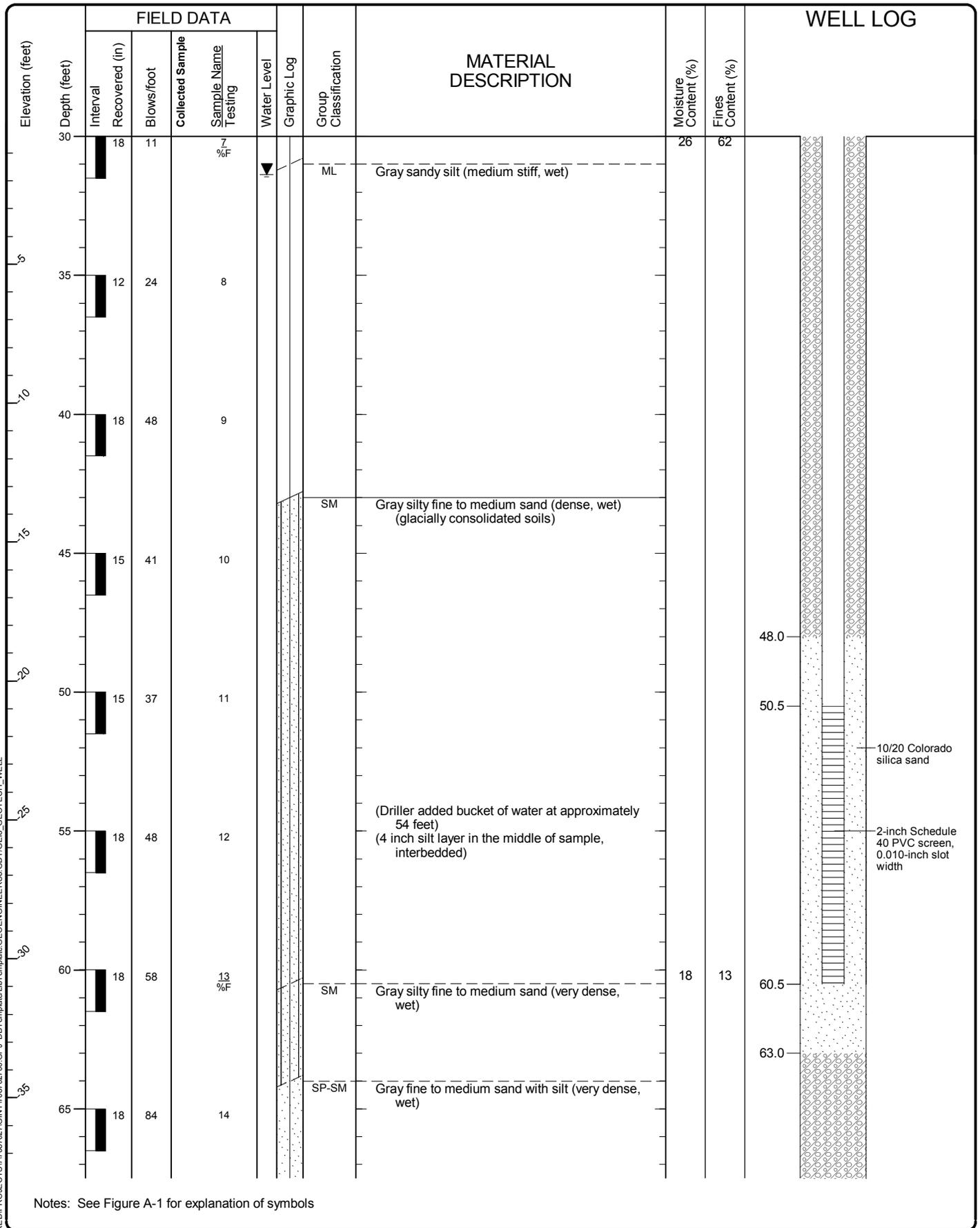


Log of Monitoring Well B-37-2



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700.GPJ DBT\template\LBT\template\GEOENGINEERS.GDT\GEIR_GEO TECH_WELL



Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-37-2 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\RED\PROJECTS\7087\27\GINT\7087\02700\GP_J_DBT\template\LBT\template\GEOENGINEERS_GDT\GEIR_GEOTECH_WELL

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	WELL LOG	
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					Graphic Log
40	70	18	41		15 %F						
45	75	18	45		16 %F		SM	Gray silty fine to medium sand (dense, wet)	19		35
50	80	18	68		17 %F		SP-SM	Gray fine to medium sand with silt and occasional gravel (very dense, wet)	19		9
										81.5	

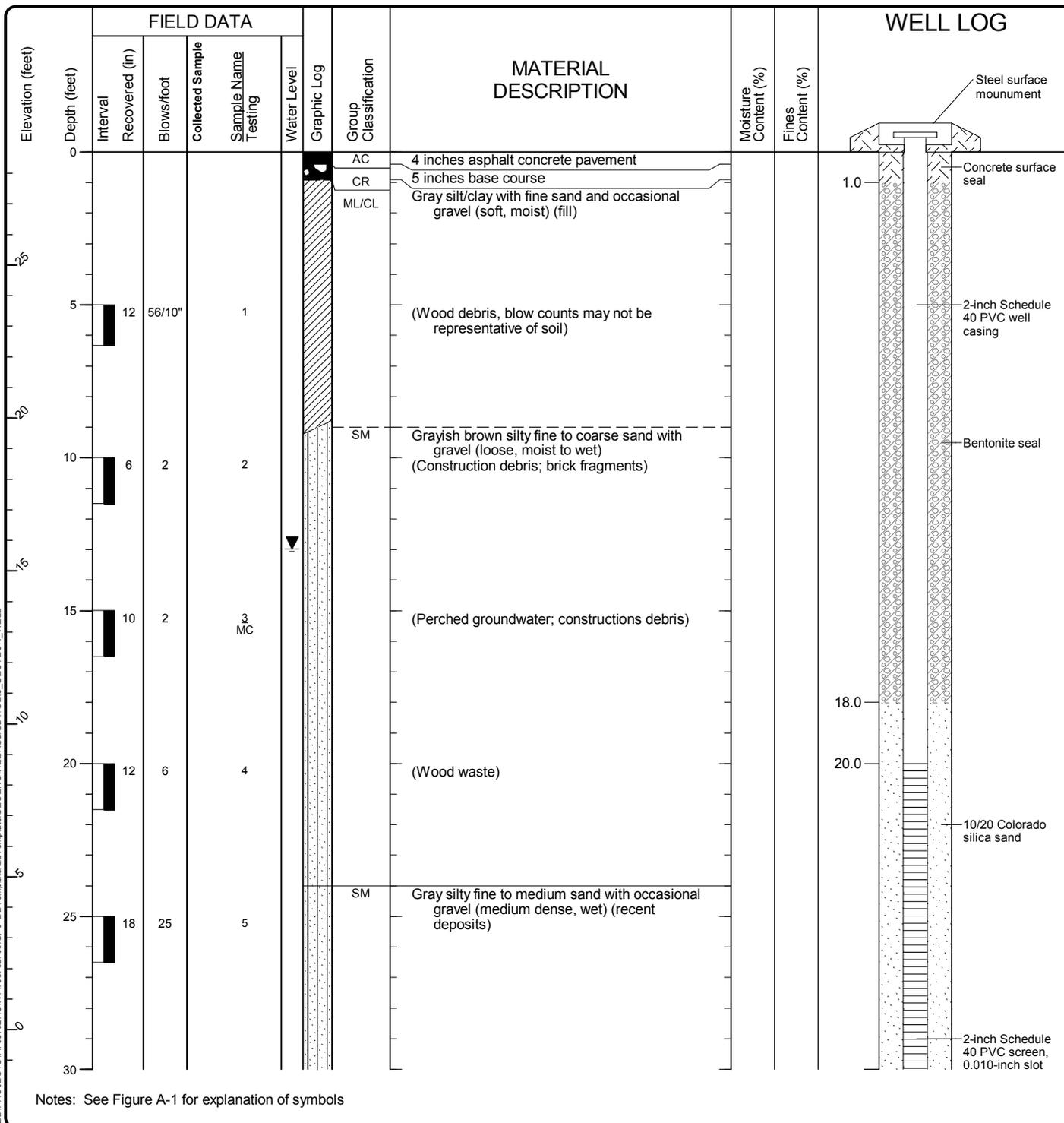
Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-37-2 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Start Drilled	4/10/2014	End	4/10/2014	Total Depth (ft)	81	Logged By	DTM	Checked By	DPC	Driller	Geologic Drill	Drilling Method	Hollow-Stem Auger		
Hammer Data	Pneumatic 140 (lbs) / 30 (in) Drop			Drilling Equipment	Diedrich D-50 Turbo			DOE Well I.D.: BJ 460 A 2 (in) well was installed on 4/10/2014 to a depth of 30 (ft).							
Surface Elevation (ft)	28.7			Top of Casing Elevation (ft)	28.41			<u>Groundwater</u>							
Vertical Datum	NAVD88			Date Measured						7/1/2014	Depth to Water (ft)	13.0	Elevation (ft)	15.4	
Easting (X)	1269675.6231			Horizontal Datum	NAD83										
Northing (Y)	231774.012														
Notes:															

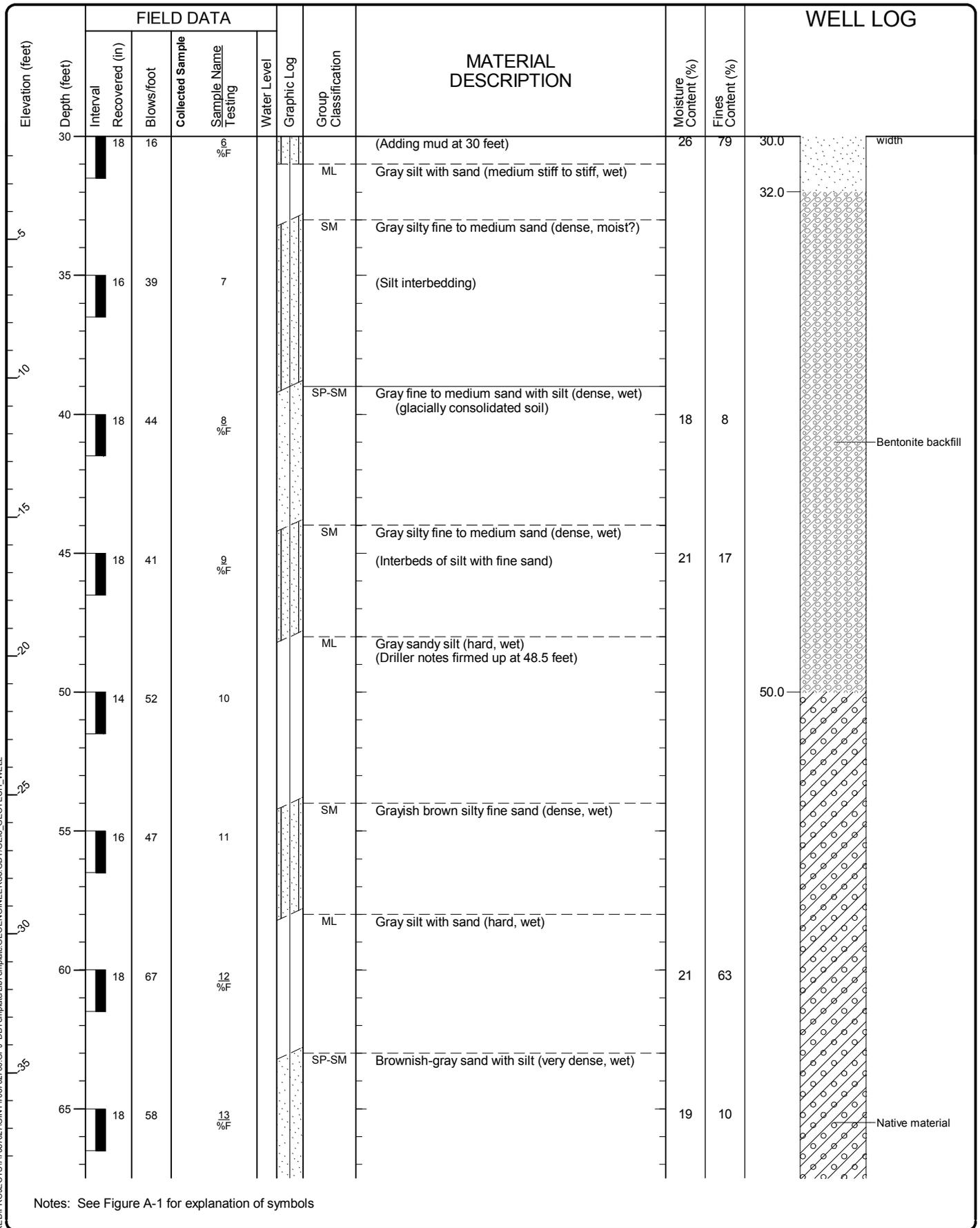


Log of Monitoring Well B-31-3



Project: Block 31
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700.GPJ DBT\template\LBT\template\GEOENGINEERS.GDT\GEIR_GEO TECH_WELL



Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-31-3 (continued)



Project: Block 31
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	WELL LOG
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level				
40										
70		18	50		14					
75		6	50/6"		15					
80		12	50/6"		16 %F			21	8	81.0

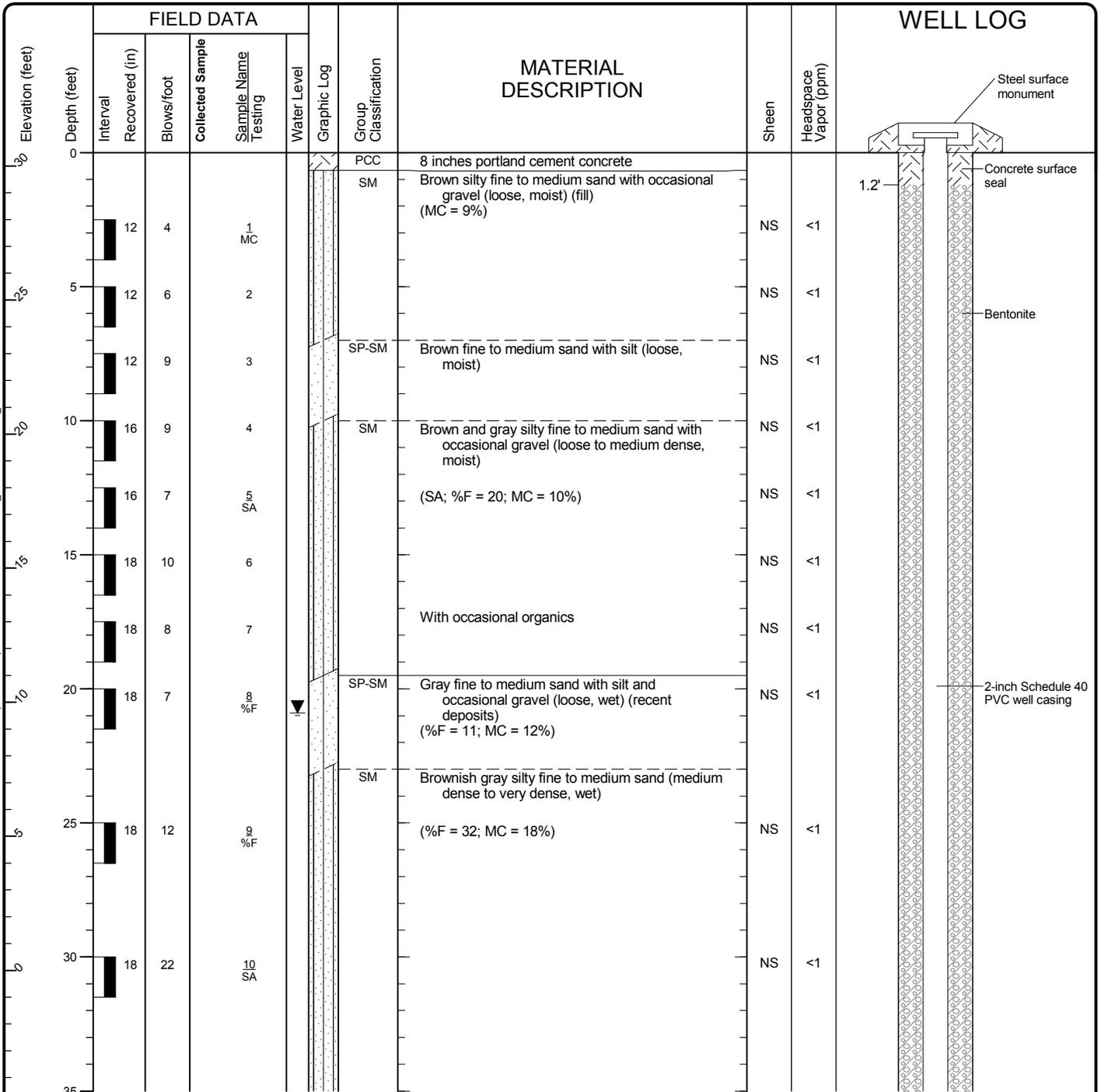
Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-31-3 (continued)



Project: Block 31
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Drilled	Start 8/22/2014	End 8/22/2014	Total Depth (ft)	61.5	Logged By Checked By	GP DPC	Driller	Geologic Drill, Inc.	Drilling Method	Hollow-Stem Auger
Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop			Drilling Equipment			Diedrich D50 Turbo		DOE Well I.D.: BIJ 490 A 2 (in) well was installed on 8/22/2014 to a depth of 59.8 (ft).	
Surface Elevation (ft) Vertical Datum			30.5 NAVD88		Top of Casing Elevation (ft)			30.10		
Easting (X) Northing (Y)			Horizontal Datum			Groundwater Date Measured		Depth to Water (ft)		Elevation (ft)
						9/6/2014		20.9		9.6
Notes:										



Note: See Figure A-1 for explanation of symbols.

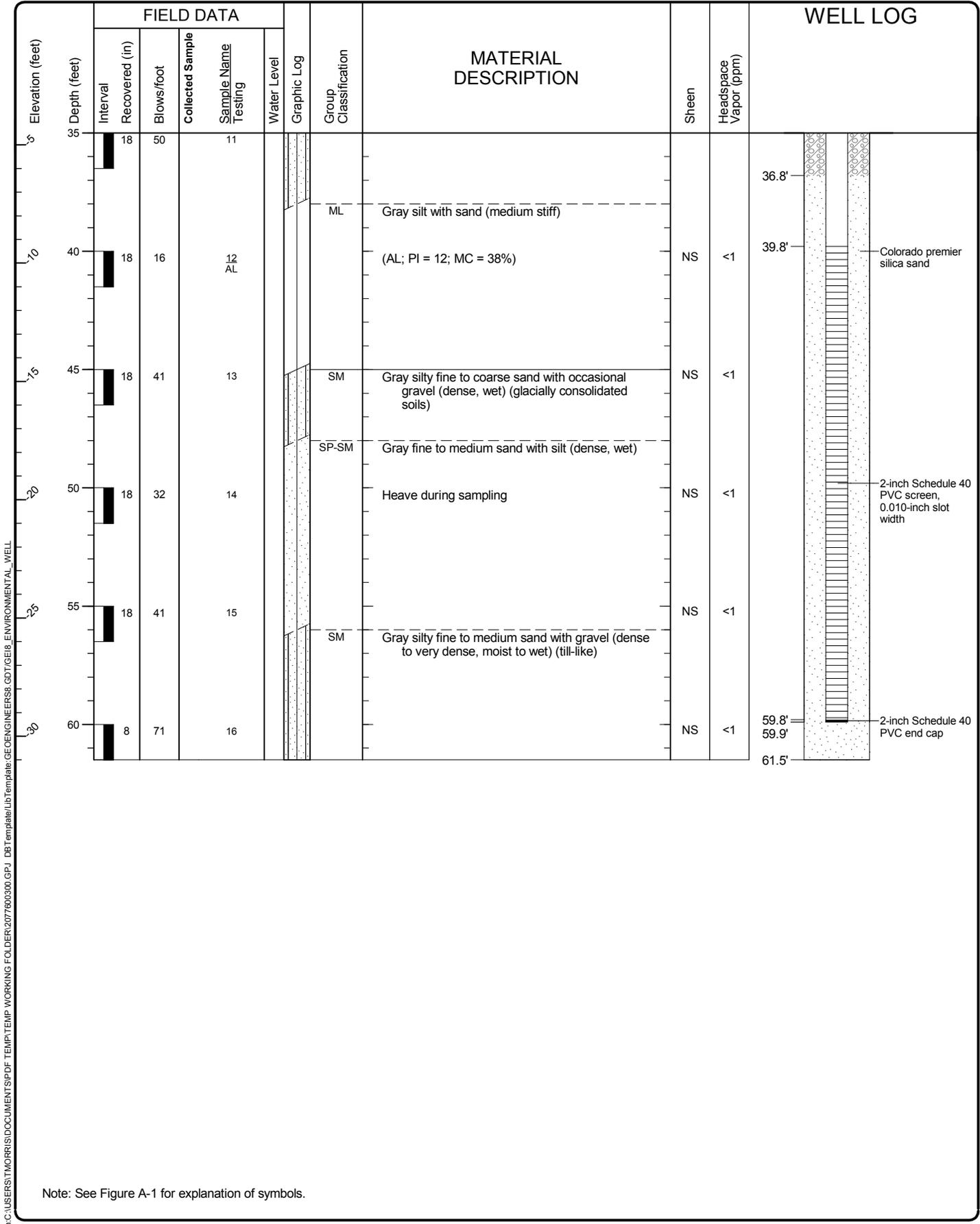
Log of Monitoring Well MW-1



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Figure A-2
 Sheet 1 of 2

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBT Template\LT Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_WELL



Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well MW-1 (continued)

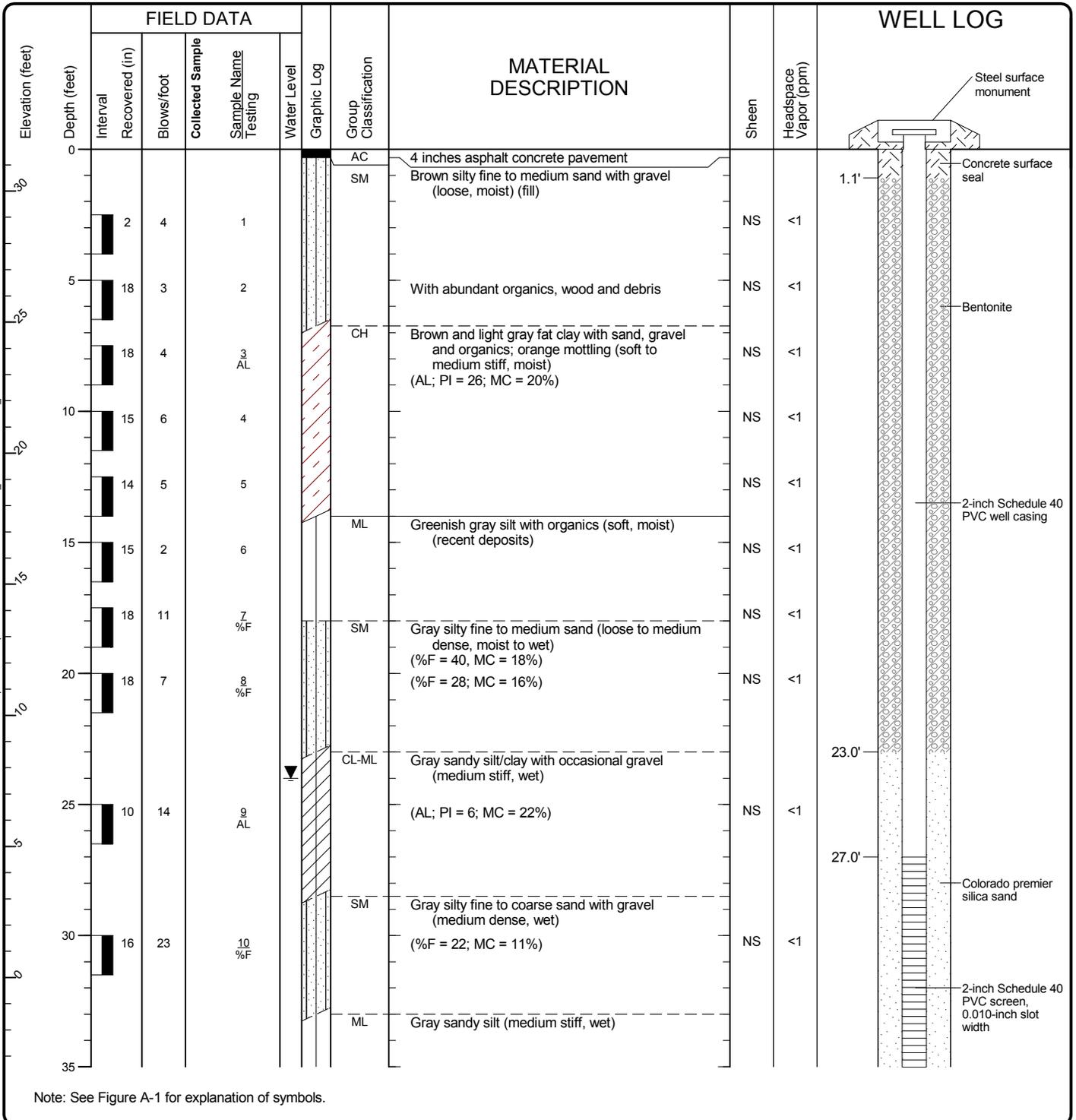


Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Figure A-2
 Sheet 2 of 2

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP_WORKING_FOLDER\2077600300.GPJ DBTemplate\libTemplate: GEOENGINEERS8.GDT\GEI8_ENVIRONMENTAL_WELL

Drilled	Start 8/23/2014	End 8/23/2014	Total Depth (ft)	60	Logged By Checked By	GP DPC	Driller	Geologic Drill, Inc.	Drilling Method	Hollow-Stem Auger
Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop				Drilling Equipment	Diedrich D50 Turbo			DOE Well I.D.: BIJ 492 A 2 (in) well was installed on 8/23/2014 to a depth of 37 (ft).	
Surface Elevation (ft) Vertical Datum	31.6 NAVD88				Top of Casing Elevation (ft)	31.00			Groundwater Date Measured	9/6/2014
Easting (X) Northing (Y)					Horizontal Datum				Depth to Water (ft)	24.0
								Elevation (ft)	7.6	
Notes:										



Log of Monitoring Well MW-2



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\DOCUMENTS\TEMP\WORKING FOLDER\2077600300.GPJ DBT Template\LD Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_WELL

Elevation (feet)	FIELD DATA					MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	WELL LOG
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing				
35	18	13		11			NS	<1	
40	18	26		12		SM	NS	<1	
45	18	45		13		SP-SM	NS	<1	
50	18	66		14			NS	<1	
55	18	44		15			NS	<1	
60									10 feet of heave

Note: See Figure A-1 for explanation of symbols.

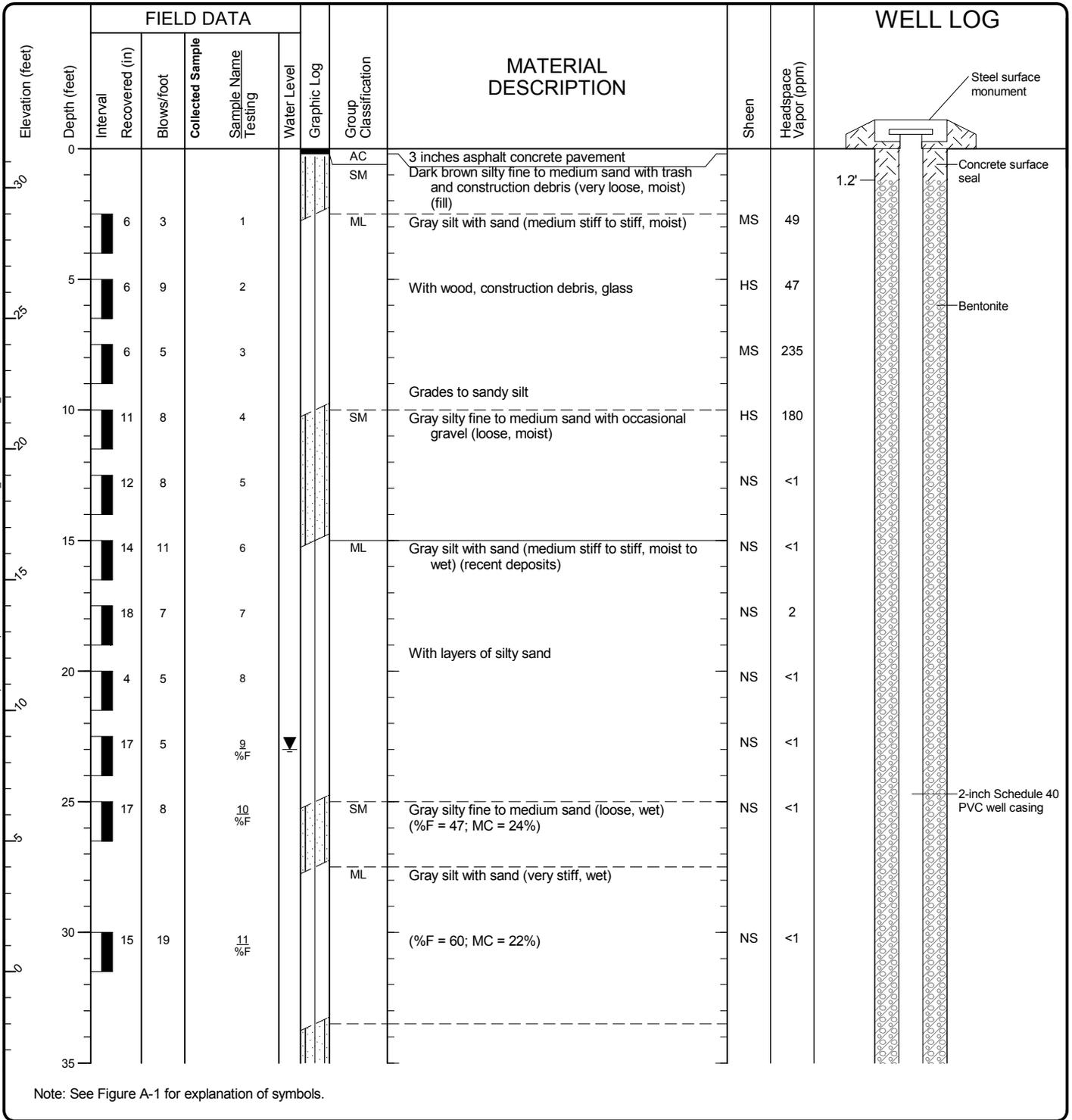
Log of Monitoring Well MW-2 (continued)



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP_WORKING_FOLDER\2077600300.GPJ DBTemplate\libTemplate: GEOENGINEERS8.GDT\GEI6_ENVIRONMENTAL_WELL

Start Drilled 8/23/2014	End 8/23/2014	Total Depth (ft) 65.5	Logged By Checked By GP DPC	Driller Geologic Drill, Inc.	Drilling Method Hollow-Stem Auger
Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop	Drilling Equipment	Diedrich D50 Turbo		DOE Well I.D.: BIJ 491 A 2 (in) well was installed on 8/24/2014 to a depth of 59.4 (ft).
Surface Elevation (ft) Vertical Datum	31.5 NAVD88	Top of Casing Elevation (ft)	30.75		<u>Groundwater</u> Date Measured 9/6/2014
Easting (X) Northing (Y)		Horizontal Datum			Depth to Water (ft) 23.0 Elevation (ft) 8.5
Notes:					

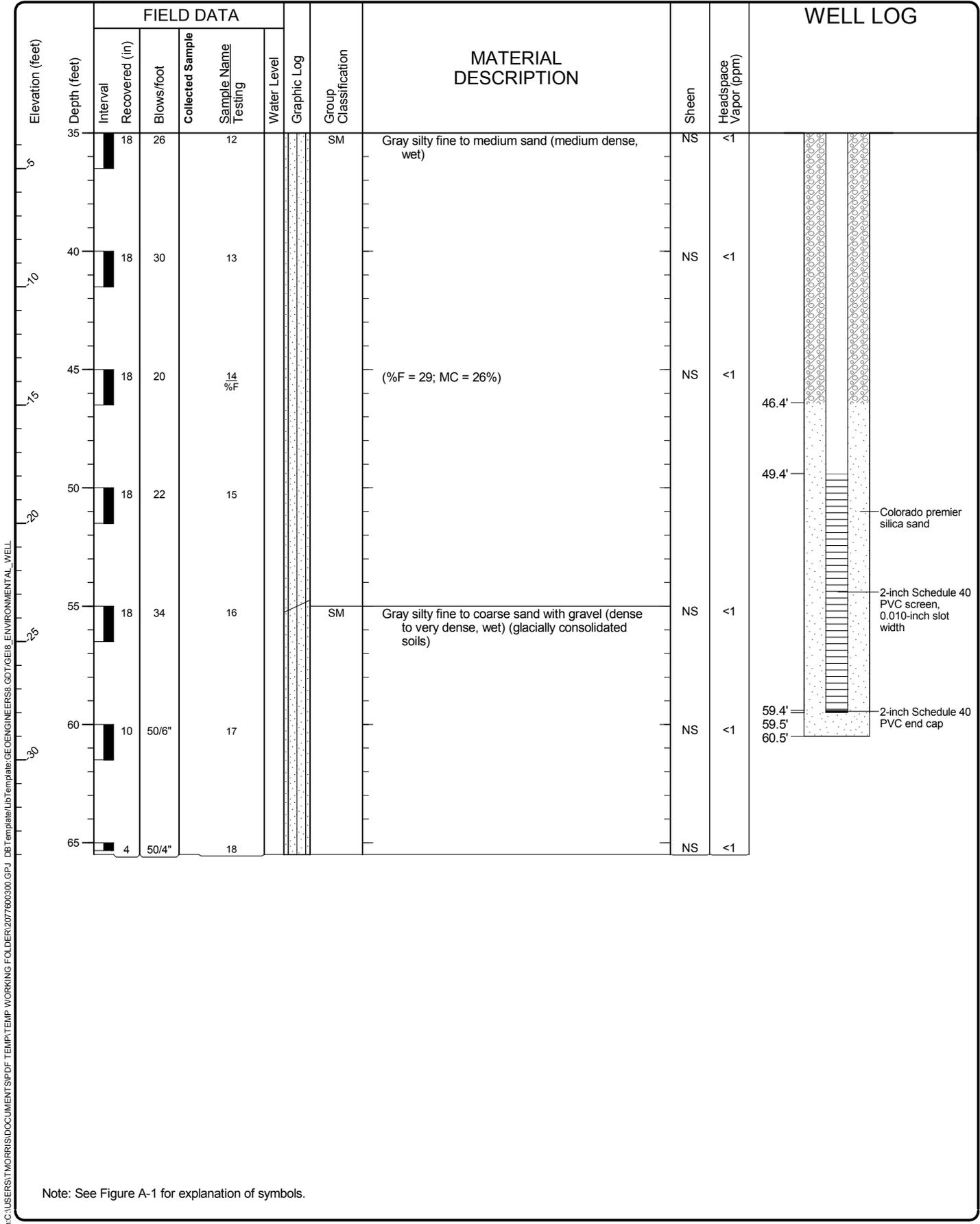


Log of Monitoring Well MW-3



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\USER\TMORRIS\DOCUMENT\SPDF_TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBTTemplate\libTemplate: GEOENGINEERS8.GDT\GEI8_ENVIRONMENTAL_WELL



Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well MW-3 (continued)



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBT Template\lib\Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_WELL

Drilled	Start 8/24/2014	End 8/24/2014	Total Depth (ft)	63	Logged By Checked By	GP DPC	Driller	Geologic Drill, Inc.		Drilling Method	Hollow-Stem Auger			
Surface Elevation (ft) Vertical Datum			31 NAVD88		Hammer Data		Autohammer 140 (lbs) / 30 (in) Drop			Drilling Equipment			Diedrich D50 Turbo	
Easting (X) Northing (Y)					System Datum			Groundwater		Date Measured		Depth to Water (ft)		Elevation (ft)
Notes:														

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS				
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					Graphic Log	Group Classification		
0							PCC			7 inches portland cement concrete				
		17	6		1 %F		SM		NS	Gray-brown silty fine to medium sand with occasional gravel (very loose to loose, moist) (fill)		<1		%F = 33; MC = 11%
5		6	1		2				NS			<1		
		7	5		3		ML		NS	Gray silt with dark organics, wood chips and glass pieces (soft to medium stiff, moist)		<1		
10		17	4		4				NS			<1		
		12	10		5		ML		NS	Gray silt with sand and gravel (medium stiff to stiff, moist to wet) (recent deposits)		<1		3-inch silty sand layer
15		16	9		6				NS			<1		
20		18	4		7				NS	Grades to gray-brown sandy silt with occasional gravel; becomes wet		<1		
25		16	6		8 %F				NS			<1		%F = 89; MC = 71%
30		18	30		9		SM		NS	Gray silty sand with gravel and occasional cobbles (dense, wet)		<1		
35														

Note: See Figure A-1 for explanation of symbols.

Log of Boring GEI-4



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Figure A-5
 Sheet 1 of 2

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\DOCUMENTS\SPDF_TEMP\TEMP_WORKING_FOLDER\2077600300.GPJ DBTemplate\LTTemplate: GEOENGINEERS8.GDT\GEI8_ENVIRONMENTAL_STANDARD

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP_WORKING_FOLDER\2077600300.GPJ DB: Template\10\Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level				
35	8	44		10			SM			Difficult drilling
40	10	57		11						
45	12	33		12						
50	12	54		13						
55	8	22		14						Gravel in sampler
60	12	50/6"		16						Till-like
	5	50/5"		17						

Note: See Figure A-1 for explanation of symbols.

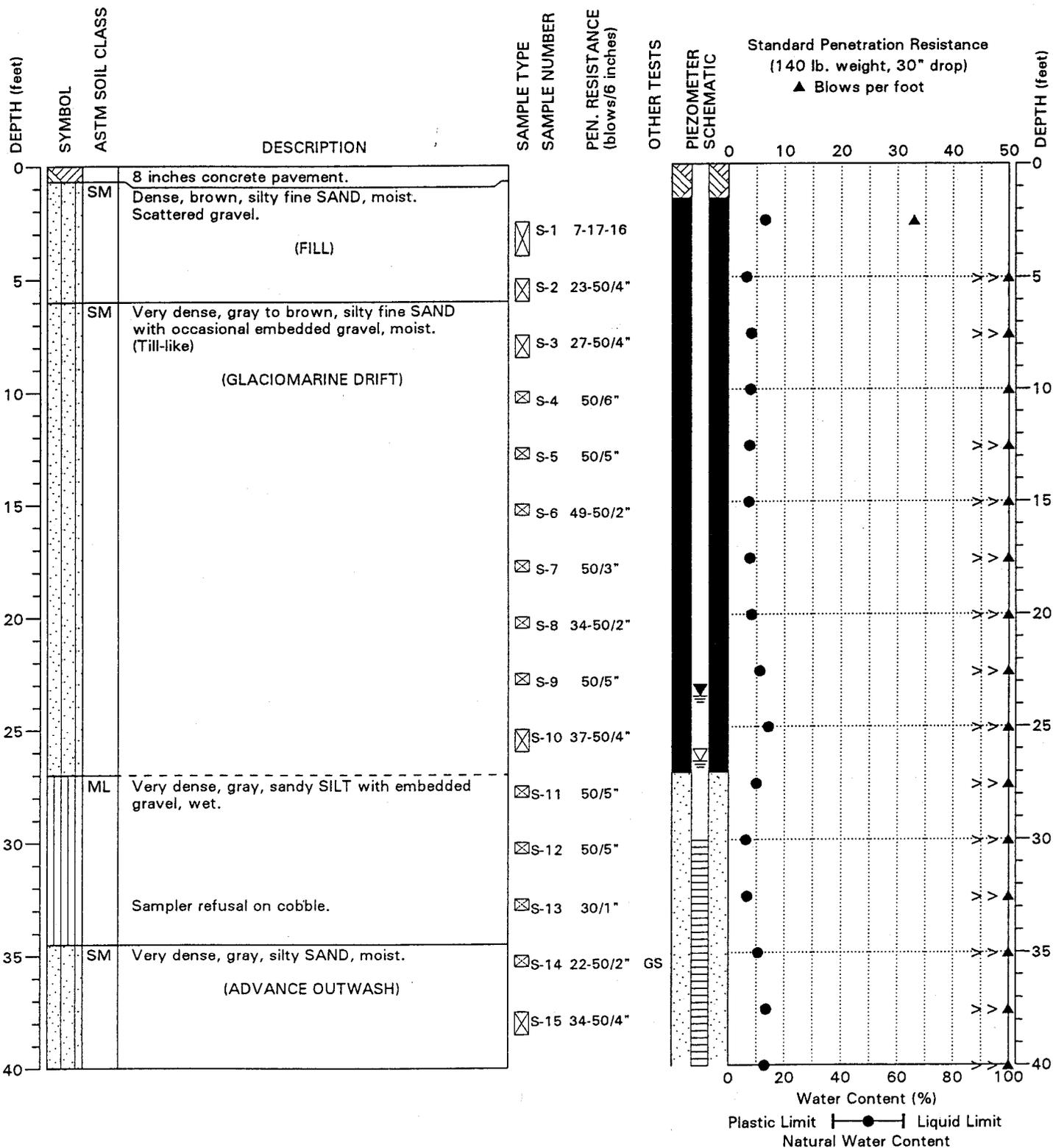
Log of Boring GEI-4 (continued)



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 146 ± Feet

LOCATION:
 DATE COMPLETED: 9/3/97
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-5

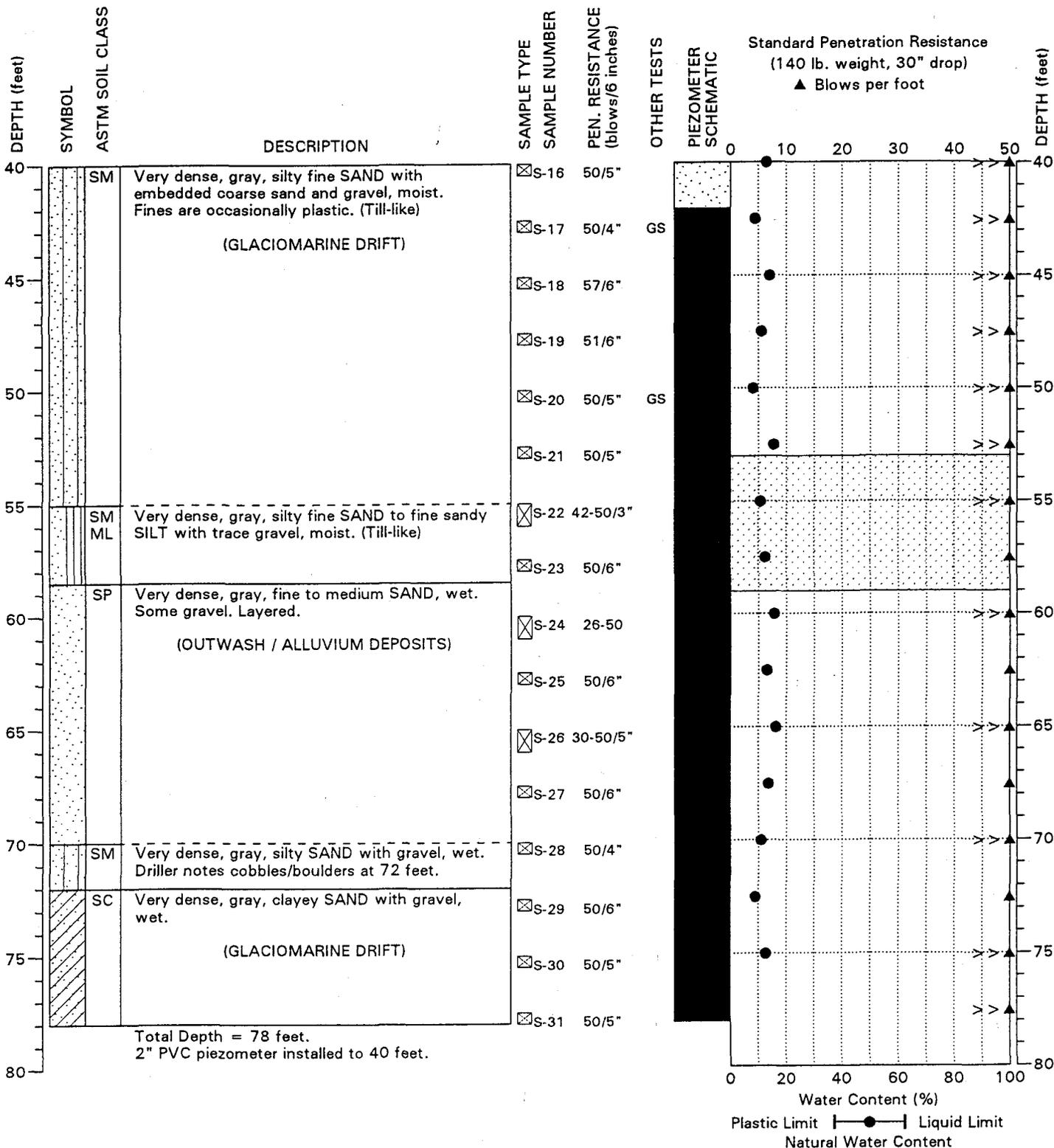
HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 1 of 2

PROJECT NO.: 97061 FIGURE: A-6

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 146 ± Feet

LOCATION:
 DATE COMPLETED: 9/3/97
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB- 5

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

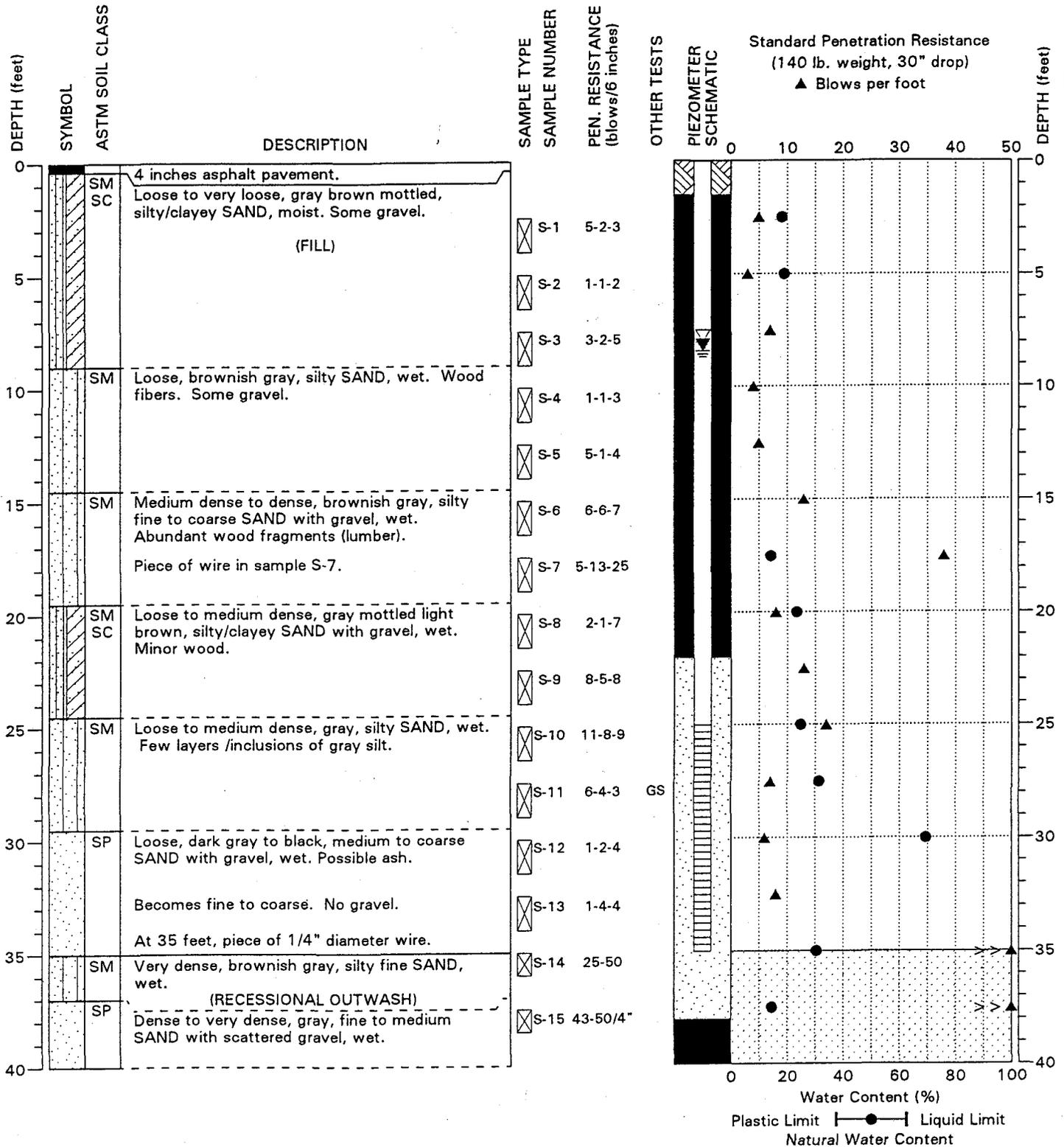
PAGE: 2 of 2

PROJECT NO.: 97061 FIGURE: A-6

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 6/4/97
 LOGGED BY: ADM/RCD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-7

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 1 of 2

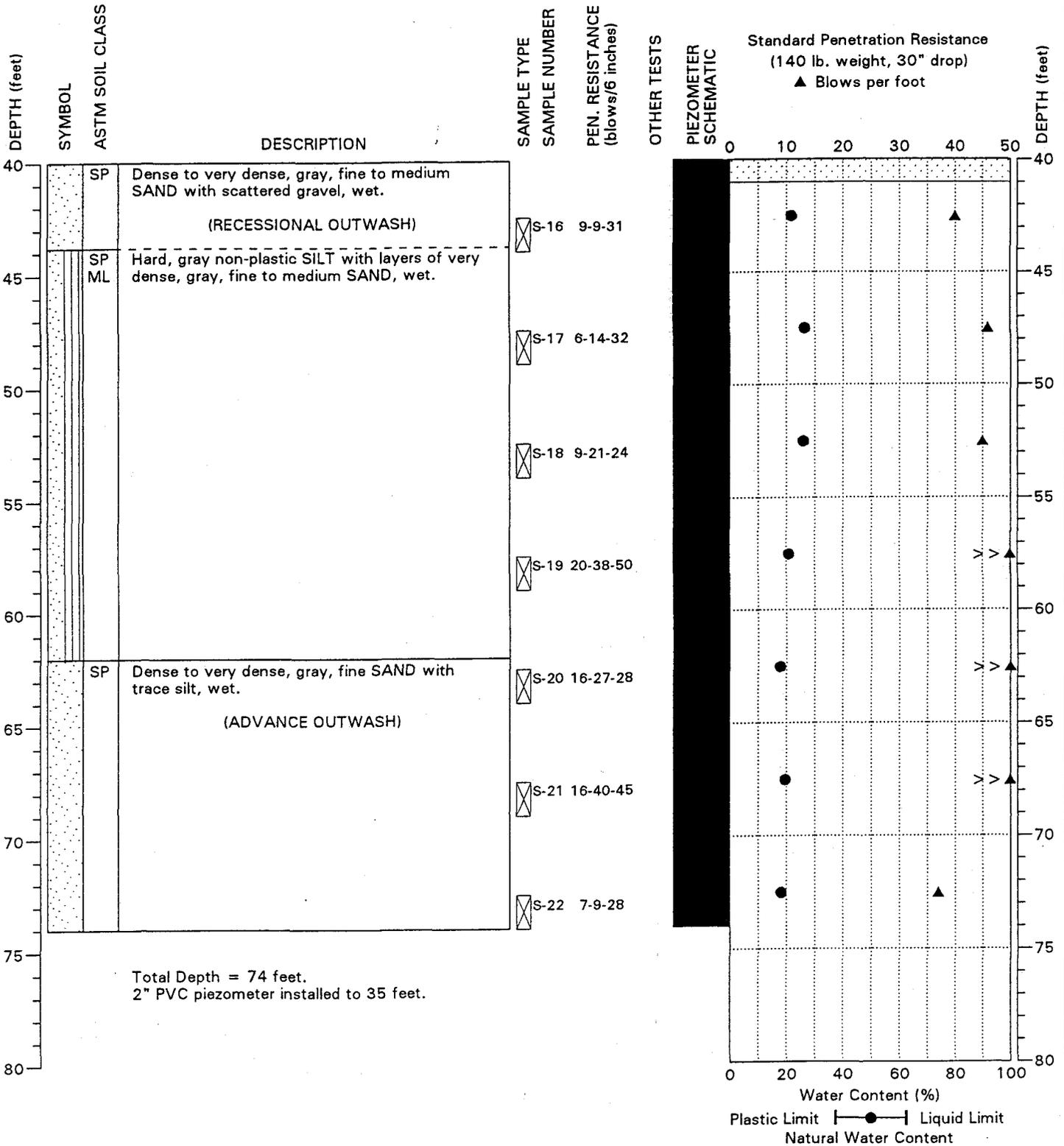
PROJECT NO.: 97061

FIGURE: A-8

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 6/4/97
 LOGGED BY: ADM/RCD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-7

HWA Denny Way / Lake Union CSO, Contract B
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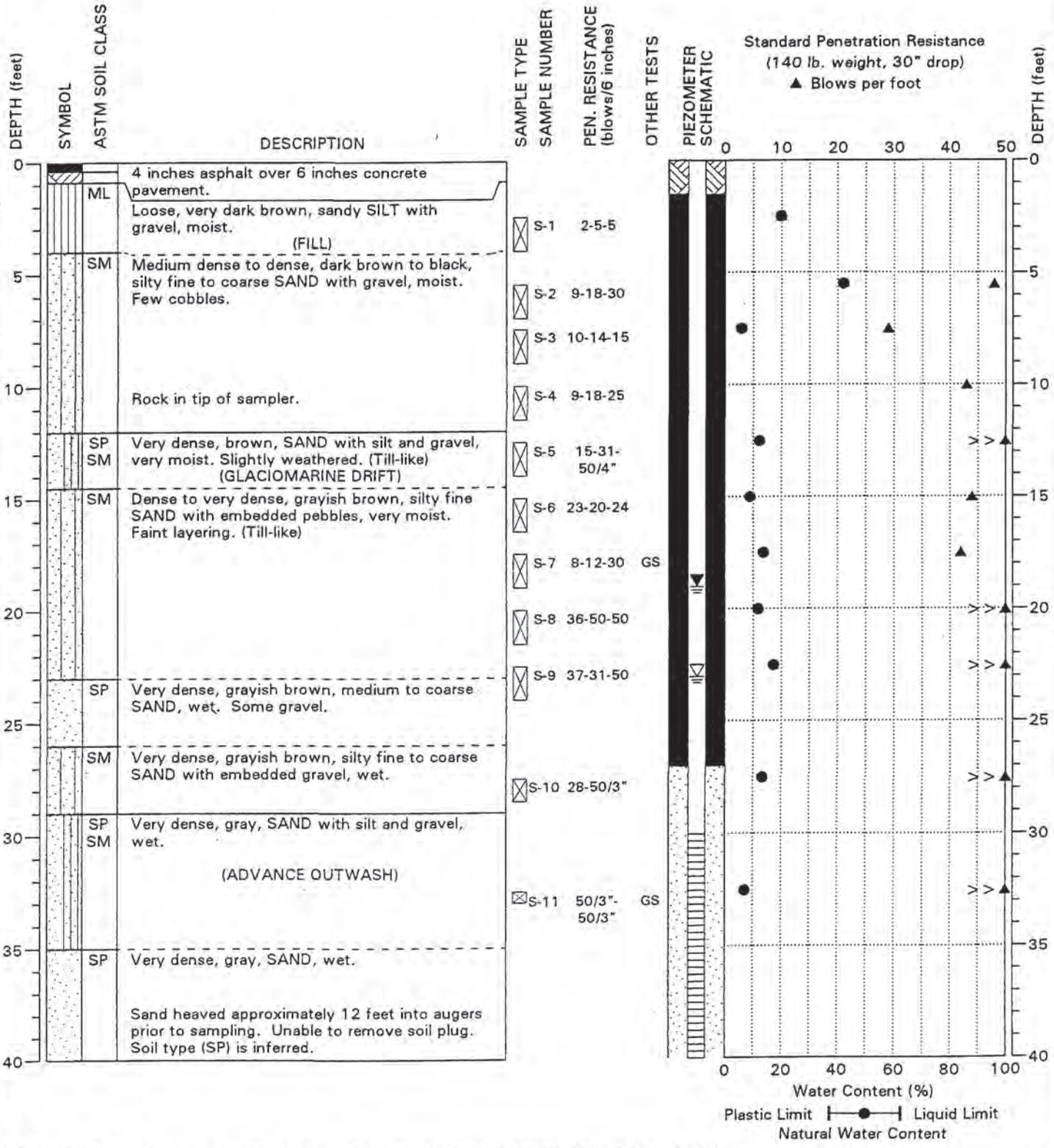
PAGE: 2 of 2

PROJECT NO.: 97061

FIGURE: A-8

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 142 ± Feet

LOCATION:
 DATE COMPLETED: 6/6/97
 LOGGED BY: ADM



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB- 8

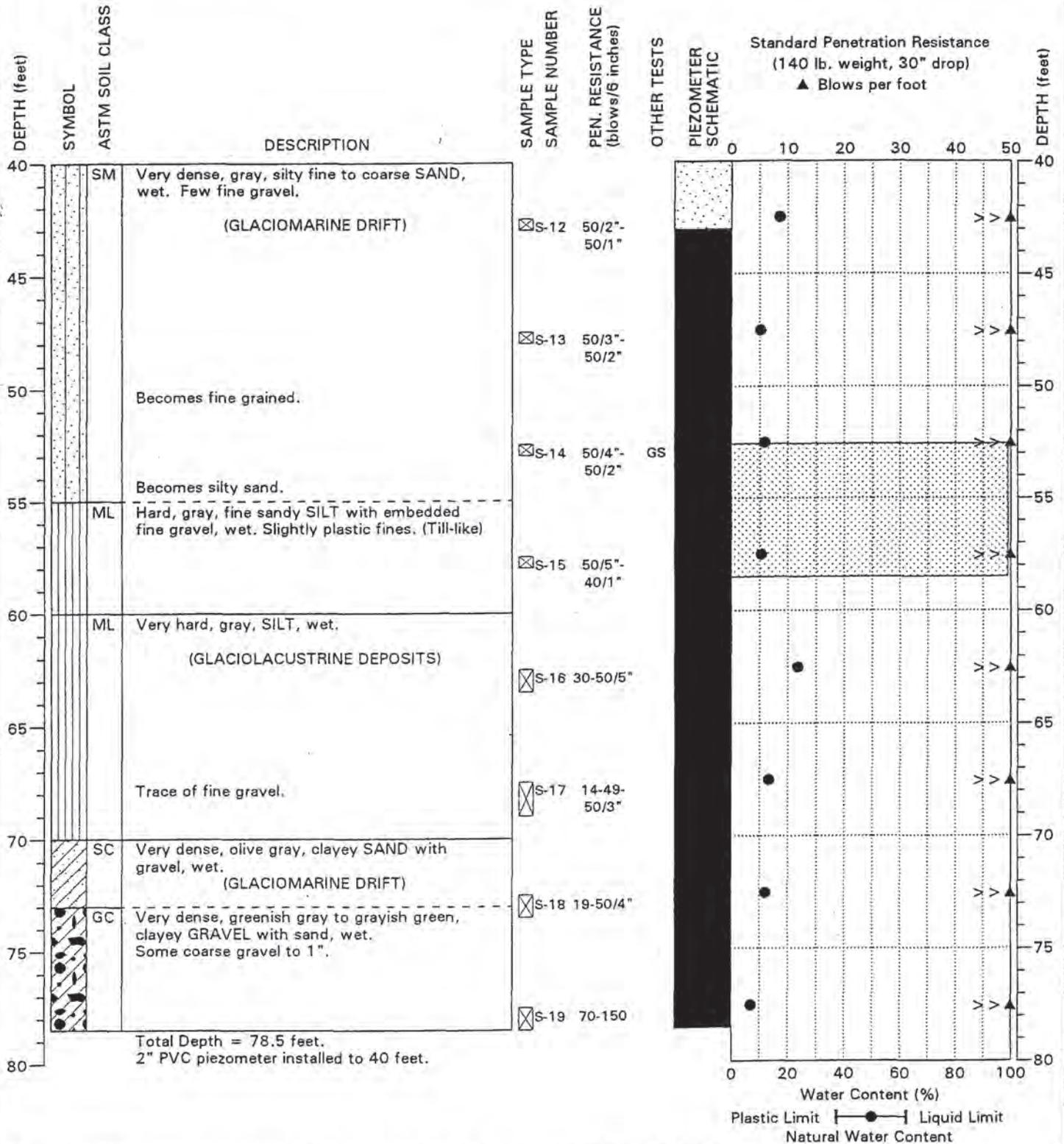
HW Denny Way / Lake Union CSO, Contract B
 Seattle, Washington
 HWAGEOSCIENCES INC.

PAGE: 1 of 2

PROJECT NO.: 97061 FIGURE: A-9

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 142 ± Feet

LOCATION:
 DATE COMPLETED: 6/6/97
 LOGGED BY: ADM



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB- 8

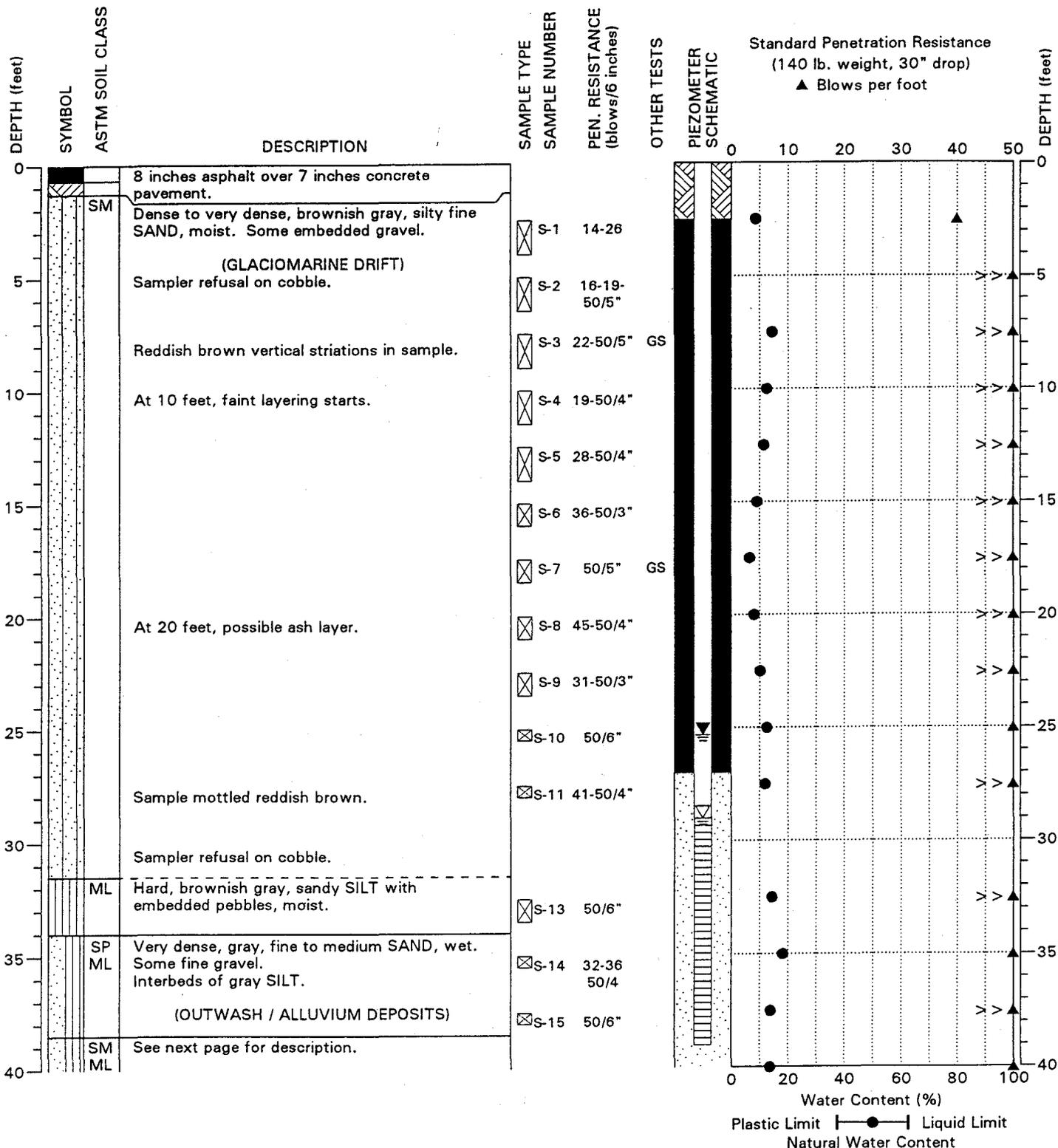
HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 2 of 2

PROJECT NO.: 97061 FIGURE: A-9

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 153 ± Feet

LOCATION:
 DATE COMPLETED: 8/29/97
 LOGGED BY: GWE



BORING: BB-10

HWA Denny Way / Lake Union CSO, Contract B
 Seattle, Washington
 HWA GEOSCIENCES INC.

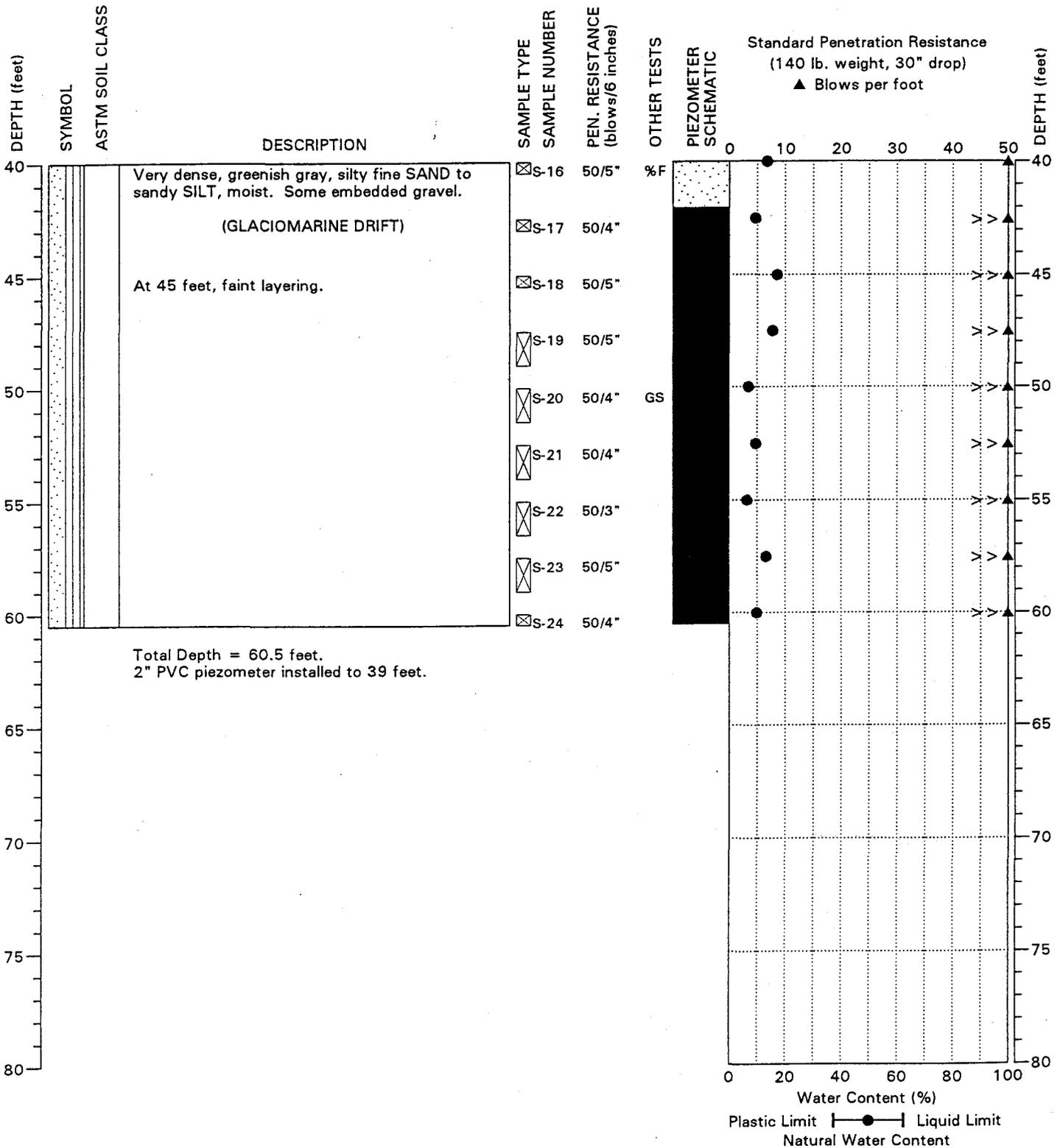
PAGE: 1 of 2

PROJECT NO.: 97061

FIGURE: A-10

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 153 ± Feet

LOCATION:
 DATE COMPLETED: 8/29/97
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-10

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

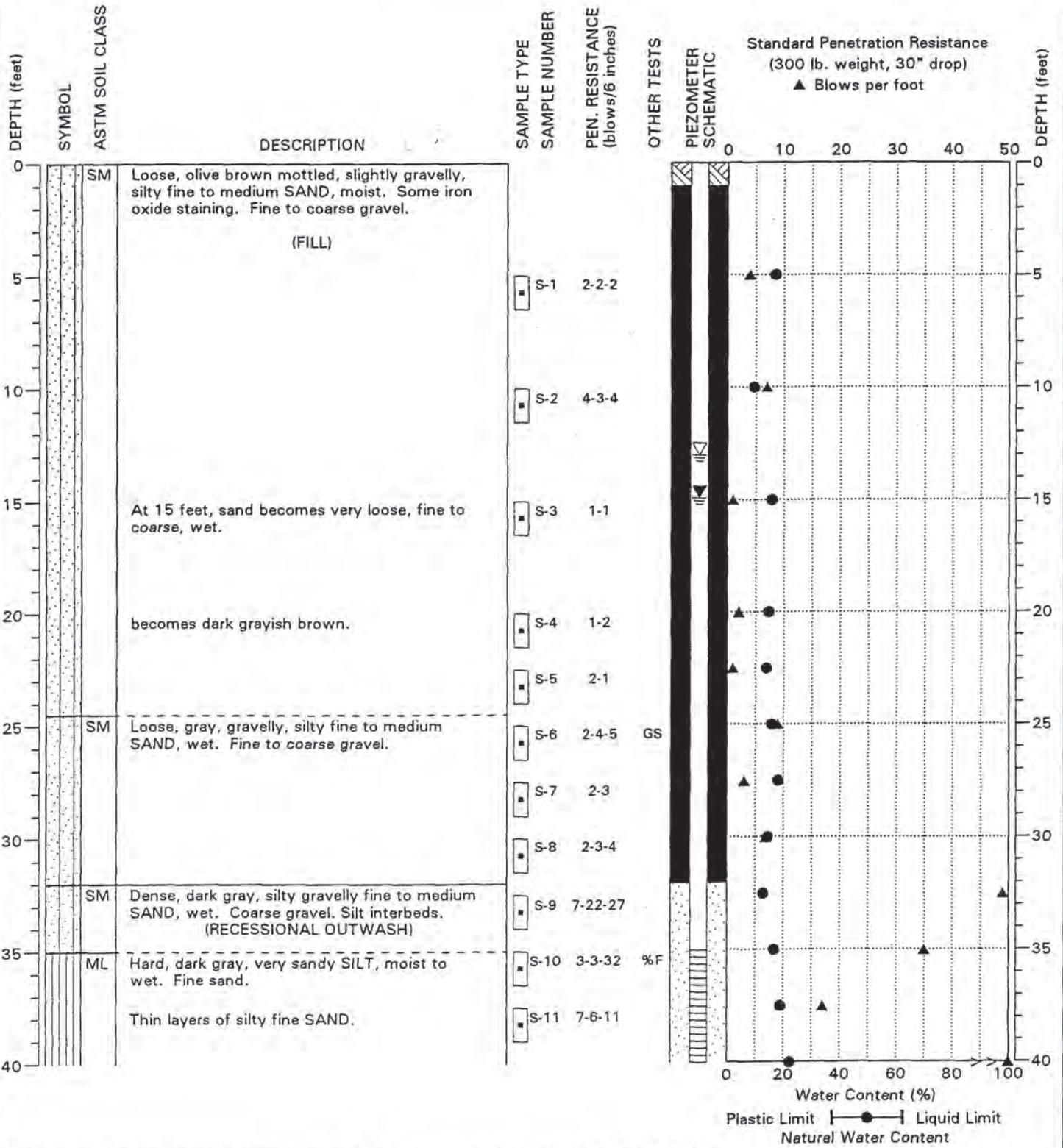
PAGE: 2 of 2

PROJECT NO.: 97061

FIGURE: A-10

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 131 ± Feet

LOCATION:
 DATE COMPLETED: 3/18/98
 LOGGED BY: GWE



BORING: BB-12

HWA Denny Way / Lake Union CSO, Contract B
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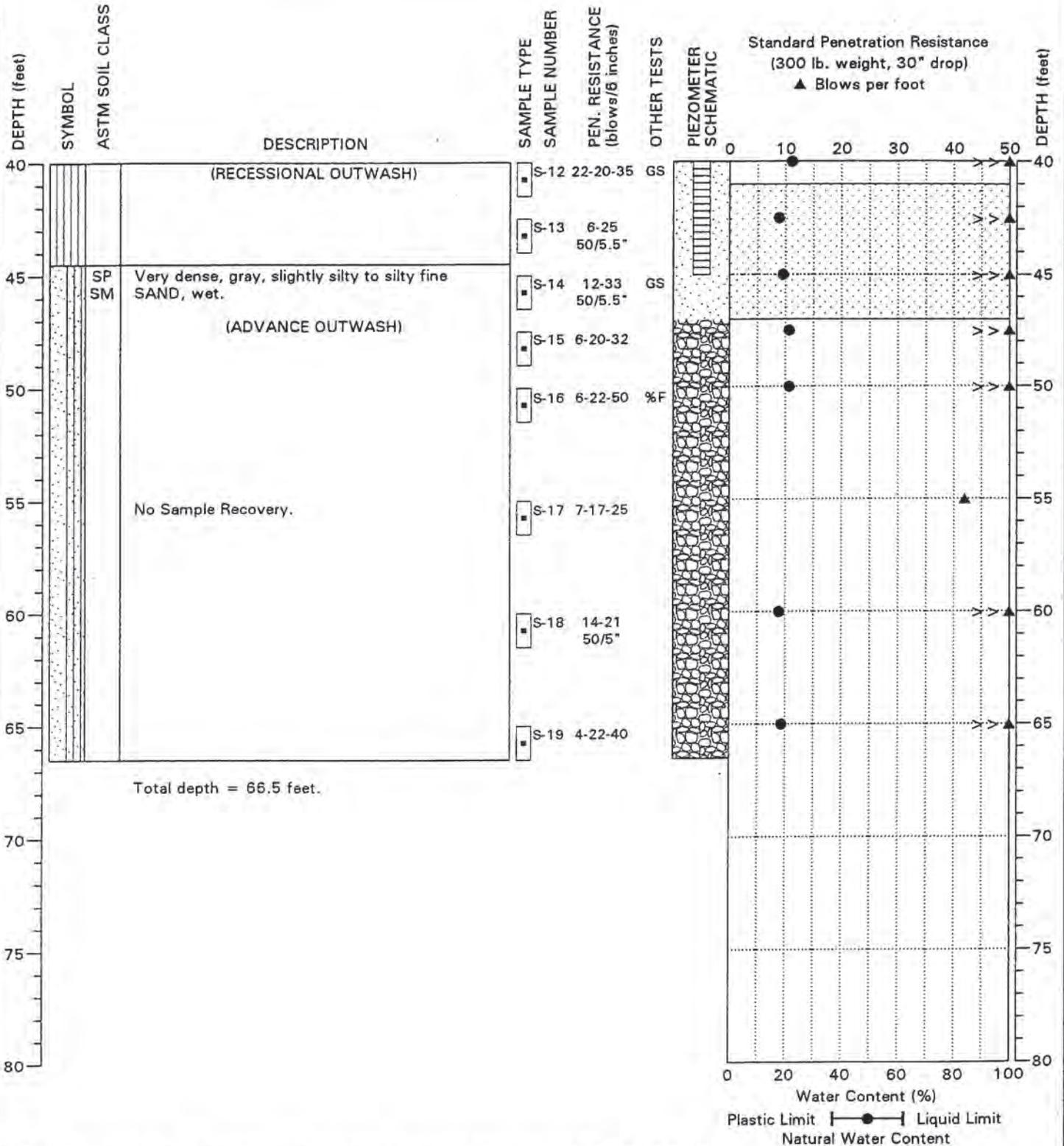
PAGE: 1 of 2

PROJECT NO.: 97061

FIGURE: A-13

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 131 ± Feet

LOCATION:
 DATE COMPLETED: 3/18/98
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-12

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 2 of 2

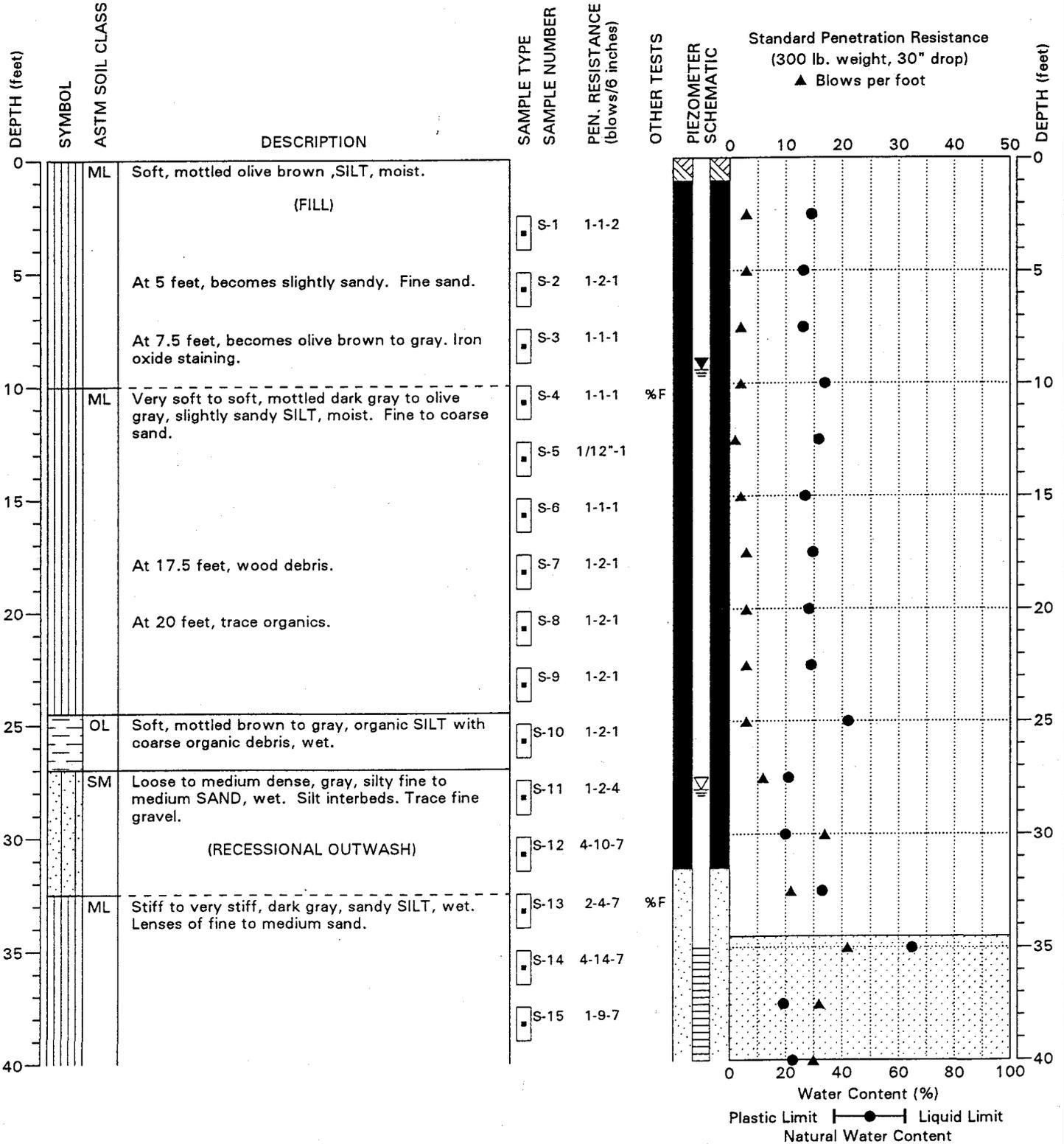
PROJECT NO.: 97061

FIGURE: A-13

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

Doc ID 3364

LOCATION:
 DATE COMPLETED: 3/19/98
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-13

TWA Denny Way / Lake Union CSO, Contract B
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PAGE: 1 of 2

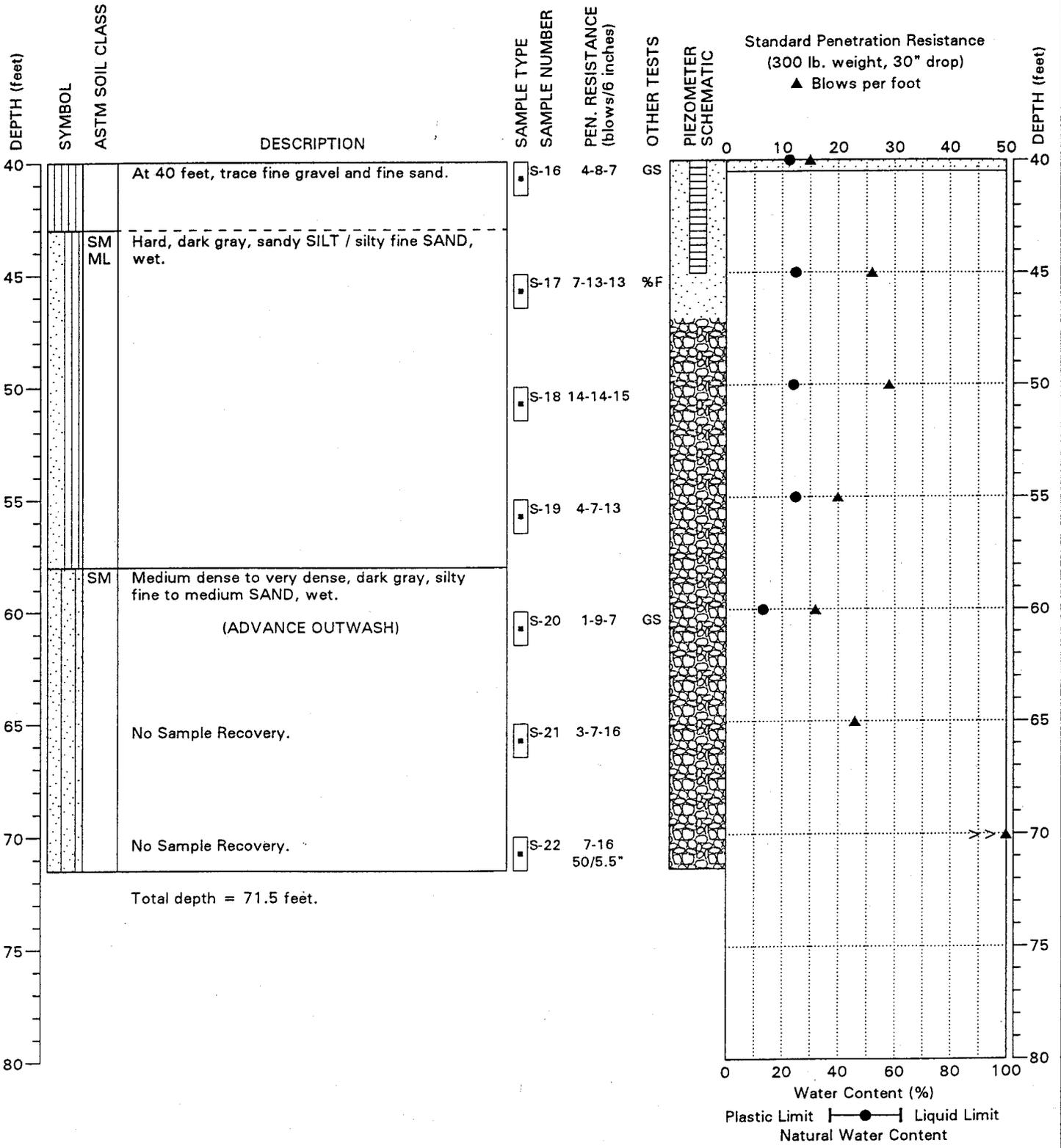
PROJECT NO.: 97061

FIGURE: A-14

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 3/19/98
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-13

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 2 of 2

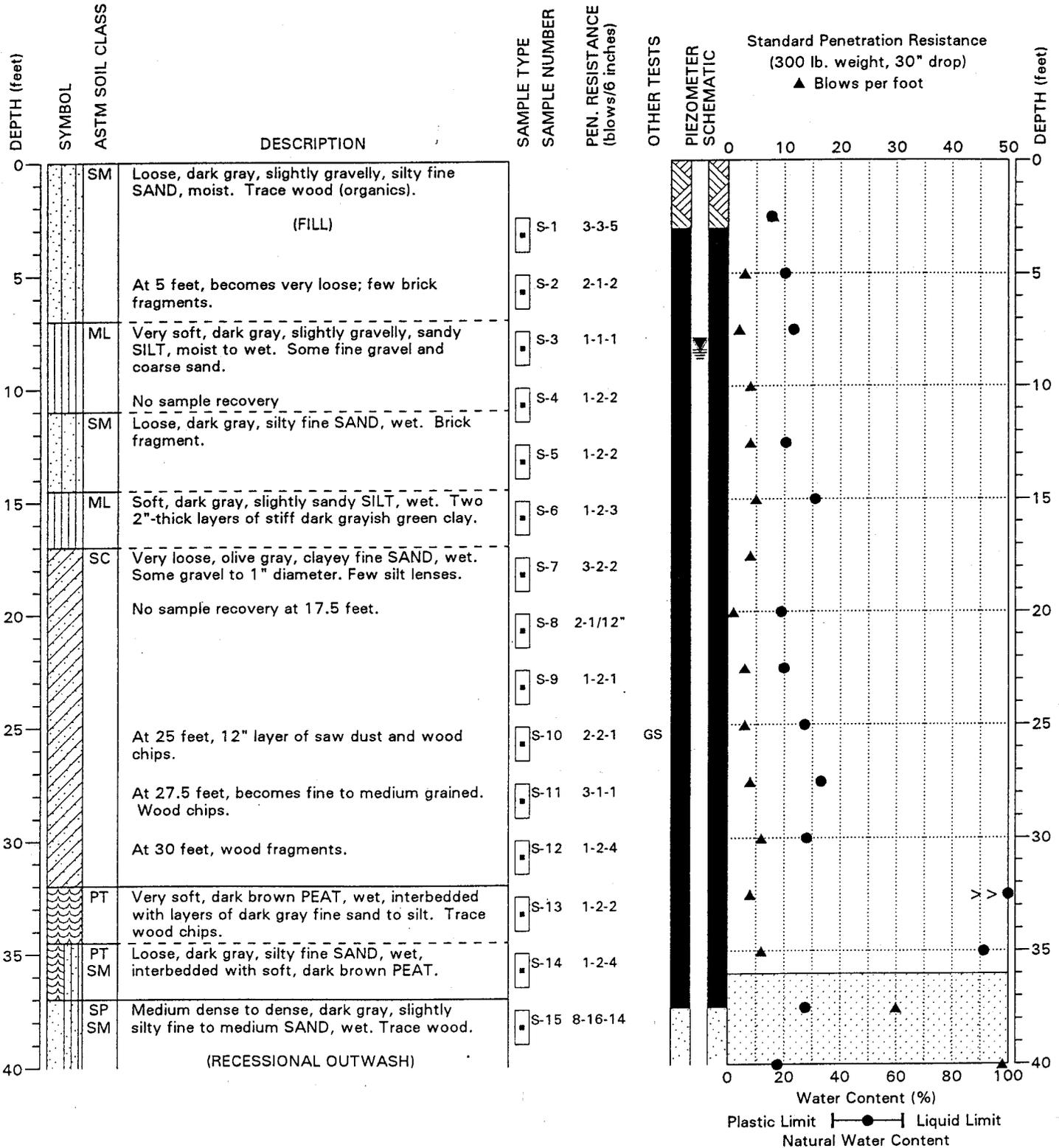
PROJECT NO.: 97061

FIGURE: A-14

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 3/3/98
 LOGGED BY: MB



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-14

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 1 of 2

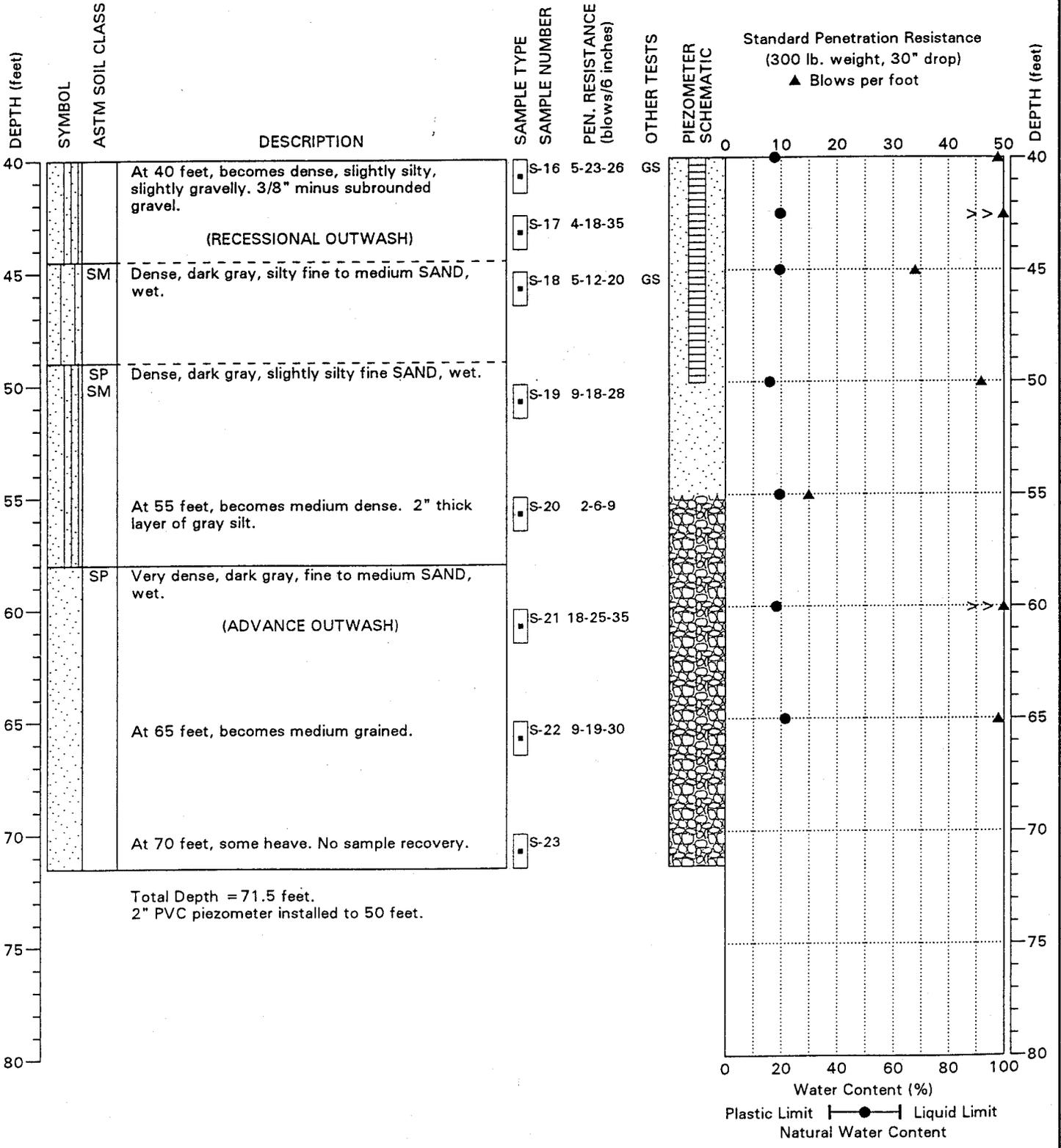
PROJECT NO.: 97061

FIGURE: A-15

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

Doc ID 3364

LOCATION:
 DATE COMPLETED: 3/3/98
 LOGGED BY: MB



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-14

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

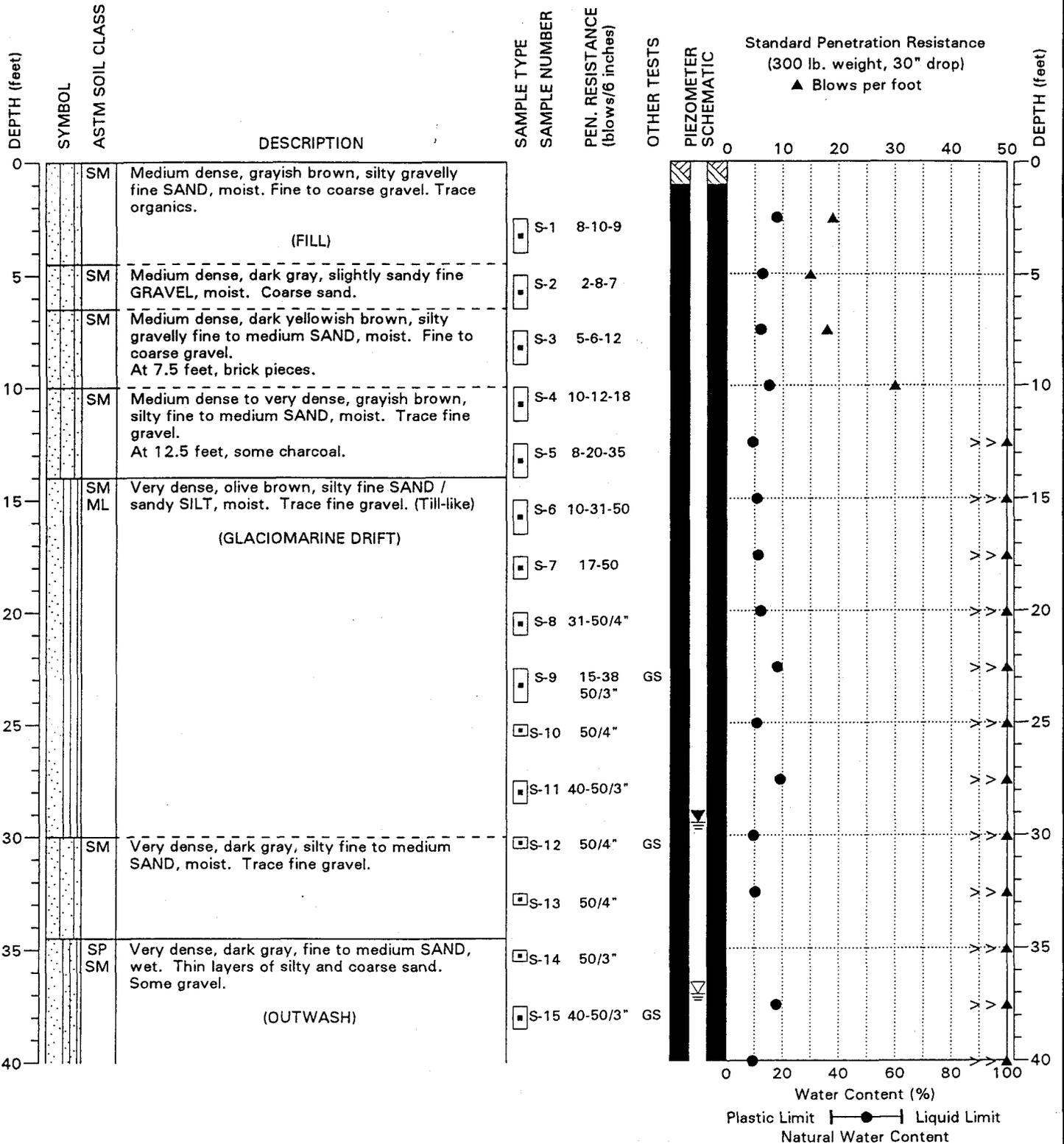
PAGE: 2 of 2

PROJECT NO.: 97061

FIGURE: A-15

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: TB-18

IWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

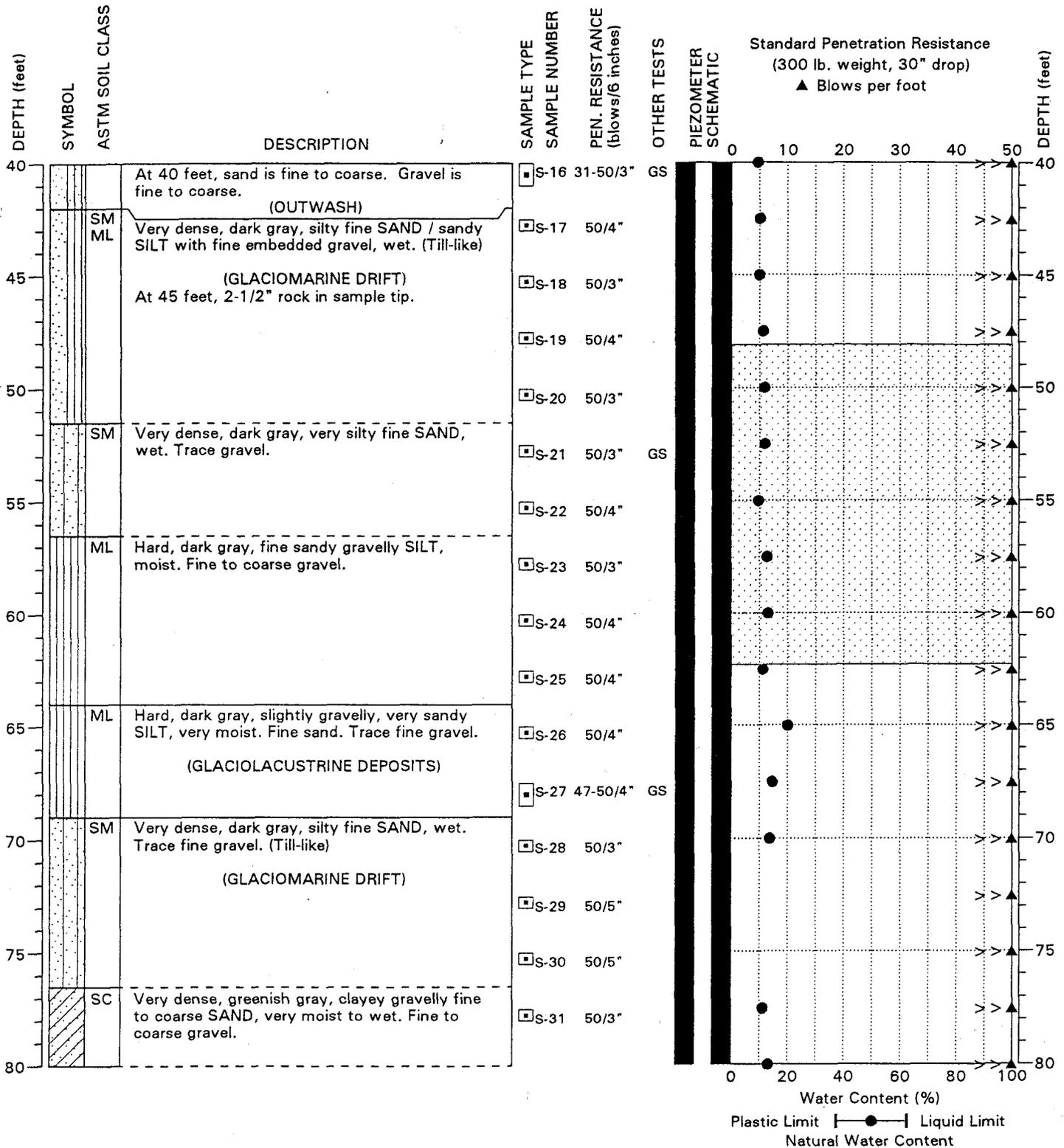
PAGE: 1 of 4

PROJECT NO.: 97061

FIGURE: A-20

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: TB-18

IWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

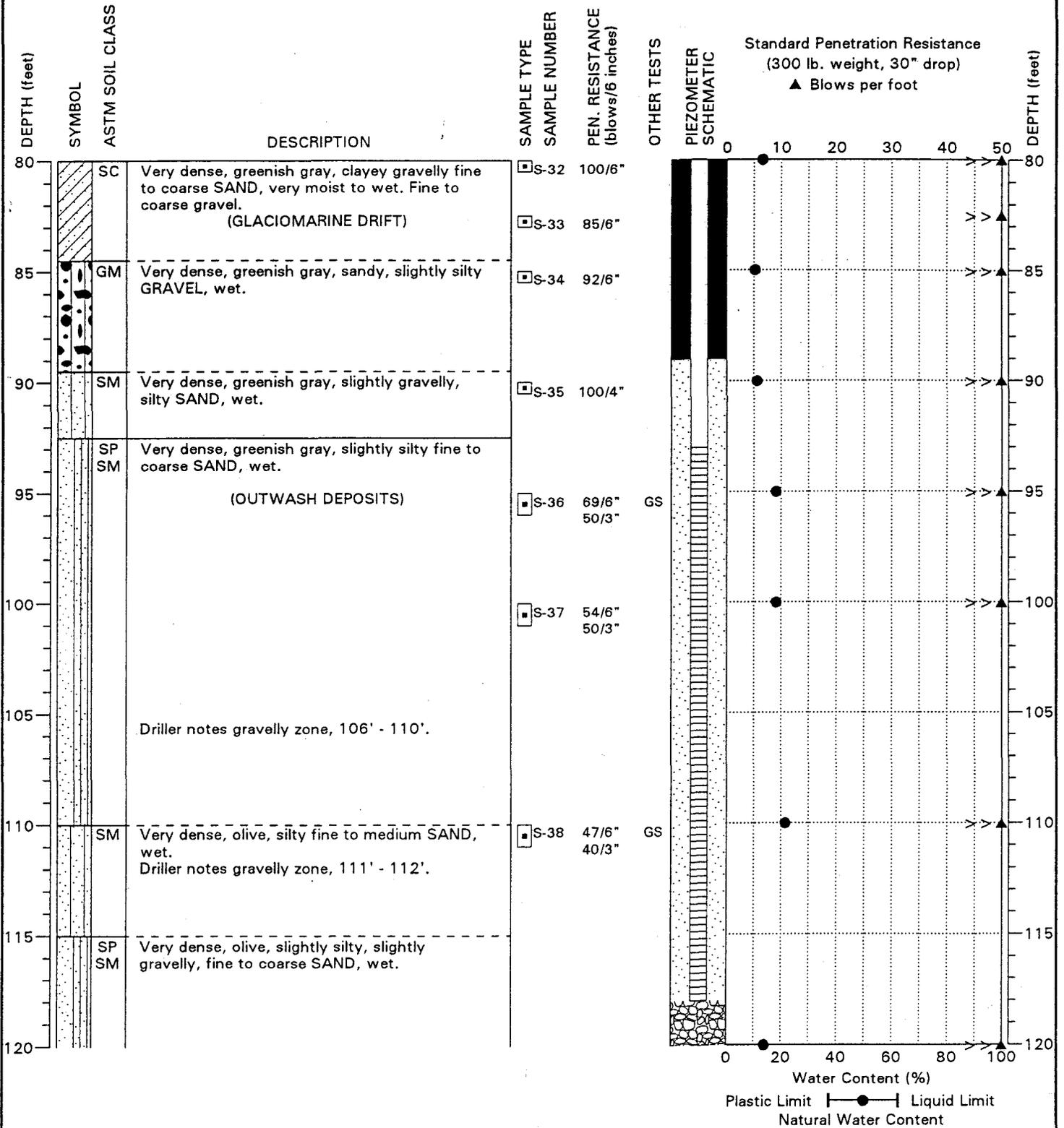
PAGE: 2 of 4

PROJECT NO.: 97061

FIGURE: A-20

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



BORING: TB-18

HWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

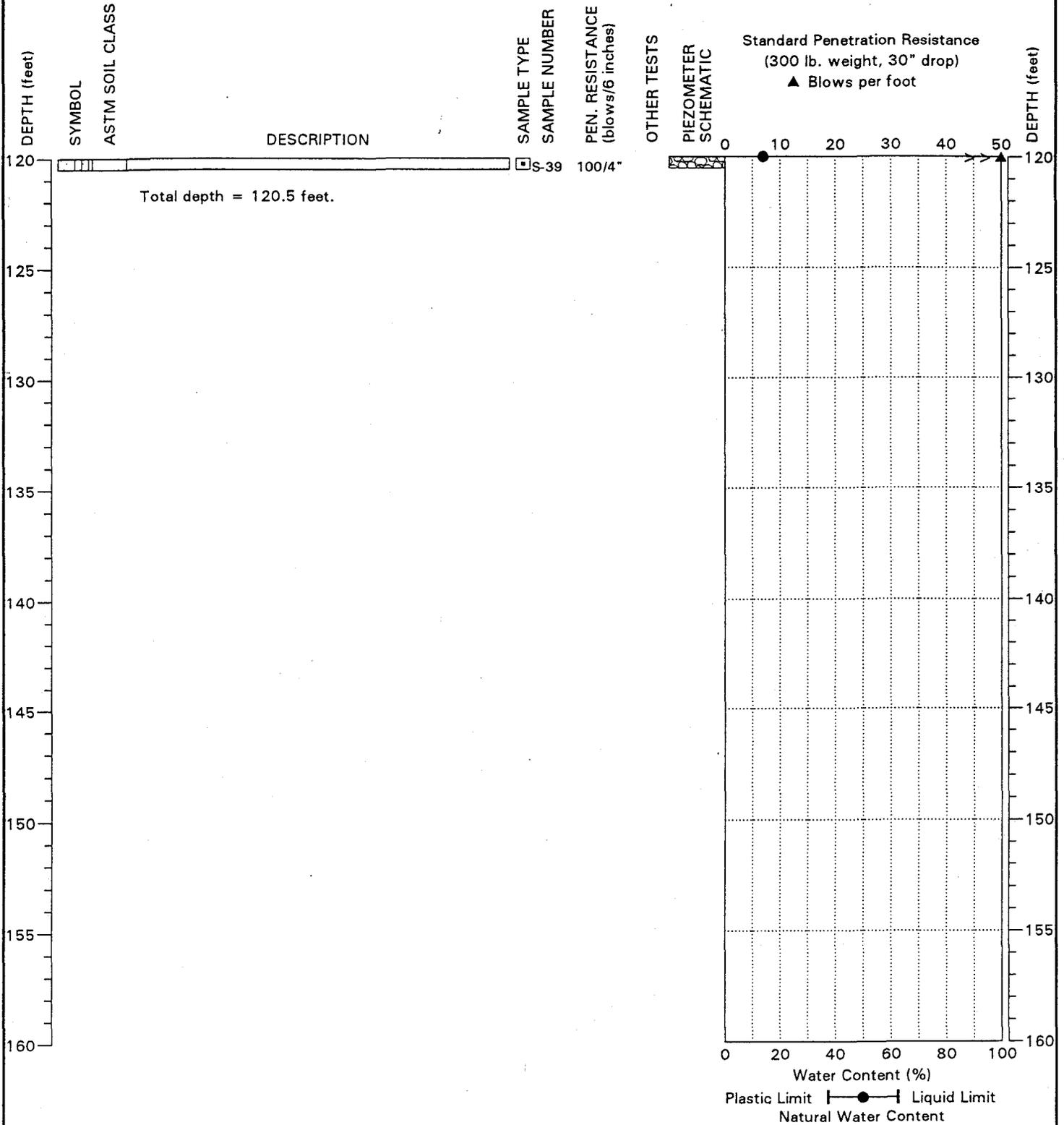
PAGE: 3 of 4

PROJECT NO.: 97061

FIGURE: A-20

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: TB-18

HWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 4 of 4

PROJECT NO.: 97061

FIGURE: A-20

Project: Maryalt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW1	
Date Started: 10/22/92	Completed: 10/22/92	Measuring Point Elevation (ft): 28.11	Total Depth (ft): 16.5
Logged By: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 8.3	Stabilized (ft): 7.4
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 14 ft to 4 ft
Drilling Equipment: Mobile B-36		Pack: 10-20 Sand	from 15 ft to 3.5 ft
Sampler: Split Spoon		Seal: Bentonite	from 3.5 ft to 1.5 ft
		Cement	from 1.5 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
0 - 5	FILL 50% sand and silt, 50% bricks, concrete blocks, railroad spikes, etc. Dark black, wet clay. Tarry appearance, no odor.				7 10 10	0	75	
5 - 10	Sandy SILT Red and black, fine grained sand, 15% fine gravel, very wet, no odor (Fill?)	SM			8 16 12		55	
10 - 15	SAND Grey-green, medium to coarse grained, 10% fine gravel, 15% clay mostly well rounded, saturated. SAND Medium to coarse, yellowish gold colored bititic. Possible oily sheen on soil.	SW			23 28 34			
15 - 20								
20 - 25								
25 - 30								
30 - 35								

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW2	
Date Started: 10/22/92	Completed: 10/22/92	Measuring Point Elevation (ft): 30.86	Total Depth (ft): 15.0
Logged By: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 10.6	Stabilized (ft): 10.2
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 15 ft to 5 ft
Drilling Equipment: Mobile 11-56		Pack: 10-20 Sand	from 15 ft to 4 ft
Sampler: Split Spoon		Seal: Bentonite	from 4 ft to 1.5 ft
		Cement	from 1.5 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
0 - 5	FILL Clay, sand, bricks, concrete blocks. SILT Medium greenish-tan, abundant orange mottling, moist, cohesive, no odor, <10% wood fragments.				4 5 8		95	
5 - 10	Sandy SILT Medium green to brown, very moist, cohesive, moderate hydrocarbon odor. (Pill?)	SM			4 6 8		70	
10 - 15	Silty SAND Mottled orange-brown and dark green, medium grained, saturated, weak hydrocarbon odor. (Pill?)						30	
15 - 35								

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW3	
Date Started: 10/22/92	Completed: 10/22/92	Measuring Point Elevation (ft): 32.04	Total Depth (ft): 17.0
Logged by: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 12.0	Stabilized (ft): 11.4
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 17 ft to 7 ft
Drilling Equipment: Mobile B-56		Pack: 10-20 Sand	from 17 ft to 6 ft
Sampler: Split Spoon		Seal: Bentonite	from 6 ft to 1.5 ft
		Cement	from 1.5 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
0 - 5	<p>Silt: Sand Fill Light grayish-brown, moist, slightly cohesive, no odor.</p> <p>Sandy Silt Fill Dark brown to green, very moist, cohesive, no odor.</p>				10 14 10		30	
5 - 10	<p>Silty Sand Fill Tan, fine to medium grained, <10% fine gravel, moist, cohesive, no odor.</p>				4 8 10		95	
10 - 15	<p>Silt and Sand Fill Medium brown to black, broken glass fragments, some gravel, wet, cohesive, very weak hydrocarbon odor.</p>				8 10 21		70	
15 - 35								

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW4	
Dug Started: 10/23/92	Completed: 10/23/92	Measuring Point Elevation (ft): 40.94	Total Depth (ft): 36.5
Logged By: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 26.0	Stabilized (ft): 21.9
Drilling Co: Tacona Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 30 ft to 15 ft
Drilling Equipment: Mobile H-50		Pack: 10-20 Sand	from 30.5 ft to 12.5 ft
Sampler: Split Spoon		Seal: Bentonite	from 12.5 ft to 2 ft
		Cement	from 2 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
5	EL Brown sil. sand, gravel with large concrete blocks near surface.				44 50/2"		75	
10	SILY SAND Medium grained.	SM			50/2"		0	
15	SILY SAND Brown, 10% gravel up 1", moist, slightly loose, no odor.				20 50/4"	0	100	
20	SILY SAND Dark brown, 5-10% gravel very moist, cohesive no odor.				25/2"		0	
25	SANDY SILT Brown, <10% fine gravel, no odor, moist, cohesive.	ML			50/4"		100	
30	SANDY SILT Gray-green, <5% fine gravel, very moist, hard, no odor.				50/6"		100	
35	SILY SAND Greenish grey, medium to coarse grained, <10% gravel up to 2", saturated no odor.	SP			58 43 50/4"		100	

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW5	
Date Started: 10/27/92	Completed: 10/27/92	Measuring Point Elevation (ft): 47.20	Total Depth (ft): 31.5
Logged By: B. Hull	Checked By: TR	Water Level During Drilling (ft): 26.0	Stabilizer (ft): 21.9
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.01" Slot	from 30 ft to 15 ft
Drilling Equipment: Mobile E-56		Pack: 10-20 Sand	from 30 ft to 13 ft
Sampler: Split Spoon		Seal: Bentonite	from 13 ft to 1 ft
		Cement	from 1 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
5	Ed. Medium brown, 50% gravel, 30% silt, 20% sand, damp, no odor.				5 6 6	0	70	
10	As above, moist, no odor.				4 5 6	0	80	
15	Sandy Gravel Grey, moist, 50% gravel, 40% fine to med sand, 10% silt, no odor.	GW			2 6 7	0	70	
20	Slty SAND Grey-brown, 60% fine sand, 40% silt, hard packed, dry, no odor.	SM			22 10 14	0	80	
25	Slty sandy GRAVEL Dark grey, 60% gravel, 20% sand, 20% silt, moist, no odor.	GW			26 40	0	25	
30	As above, reddish brown, wet, no odor.				20 27 18	0	70	
35								

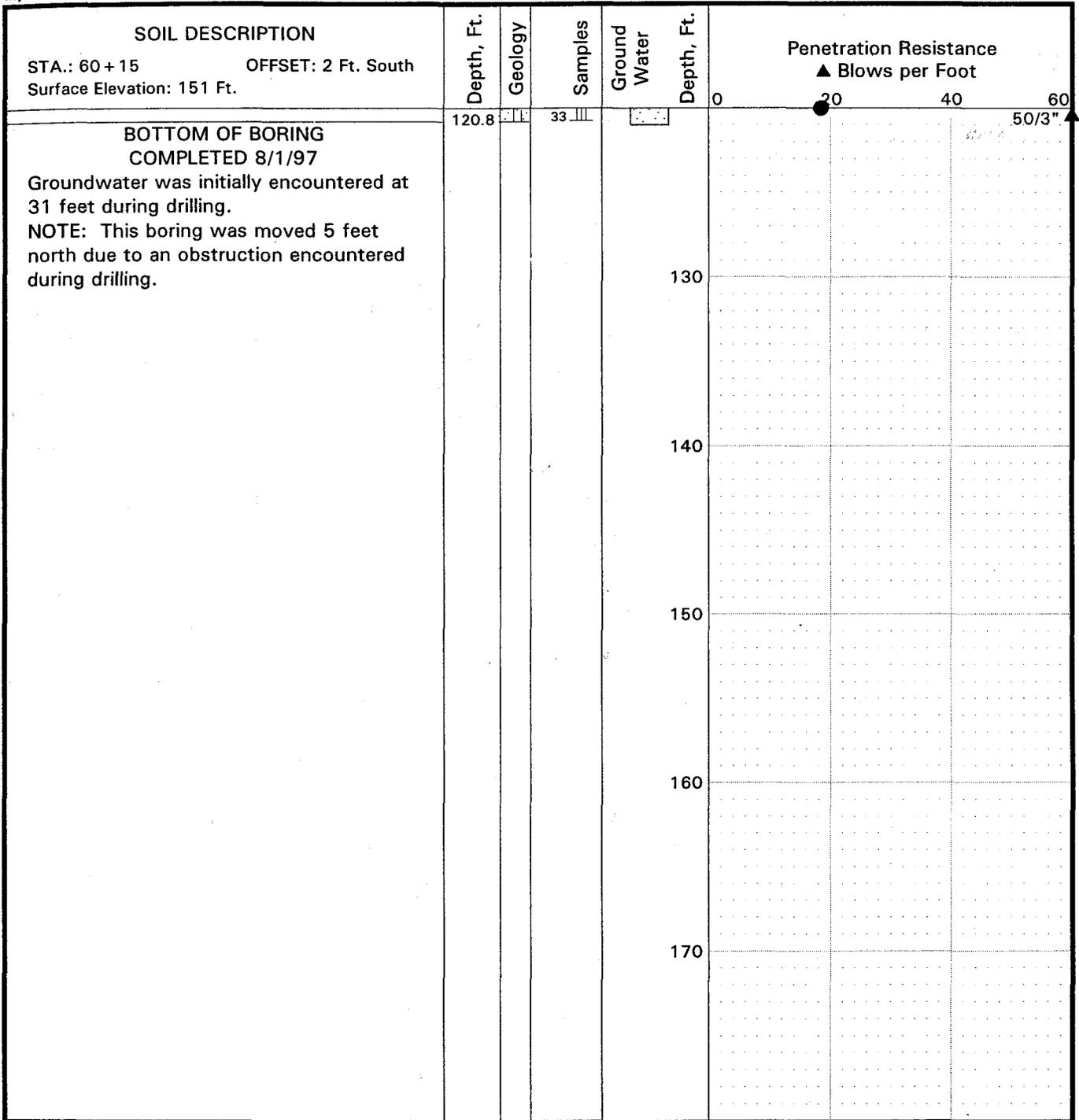
DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW6	
Date Started: 10/27/92	Completed: 10/27/92	Measuring Point Elevation (ft): 35.39	Total Depth (ft): 22.0
Logged By: B. Hall	Checked By: TR	Water Level During Drilling (ft): 17.0	Stabilized (ft): 17.8
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Skt	from 22 ft to 12 ft
Drilling Equipment: Mobile B-56		Pack: 10-20 Sand	from 22 ft to 10 ft
Sampler: Split Spoon		Seal: Bentonite	from 10 ft to 2 ft
		Cement	from 2 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	GVZ (gpm)	Recovery (%)	REMARKS		
0	Medium brown, 50% gravel, 30% sand, 20% silt, brick fragments, damp, no odor.	[Patterned Lithology Column]	[Monitoring Well Construction Diagram]	[Sample Column]	11	0	50			
10	As above, abundant brick fragments.				11				15	
15	As above, grey, moist, no odor.				22				24	18
20	As above, wet, no odor.				26				18	
25										
30										
35										

DRAFT

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LEGEND

- | | | |
|--------------------------------|---|---------------------------------|
| * Sample Not Recovered |  | Vibrating Wire Piezometer (VWP) |
| I 2" O.D. Split Spoon Sample |  | VWP groundwater level |
| II 3" O.D. Shelby Tube Sample |  | Piezometer Screen |
| P Pitcher Barrel Sampler |  | Groundwater Level |
| III 3" O.D. Split Spoon Sample |  | Annular Sealant |
| G Grab Sample |  | Grout |

- % Water Content
- Plastic Limit —●— Liquid Limit
- Natural Water Content

NOTES

- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.
- Refer to KEY for explanation of "Symbols" and definitions.
- USC letter symbol based on visual classification.

Denny Way/Lake Union CSO Project
Mercer Street Tunnel
Seattle, Washington

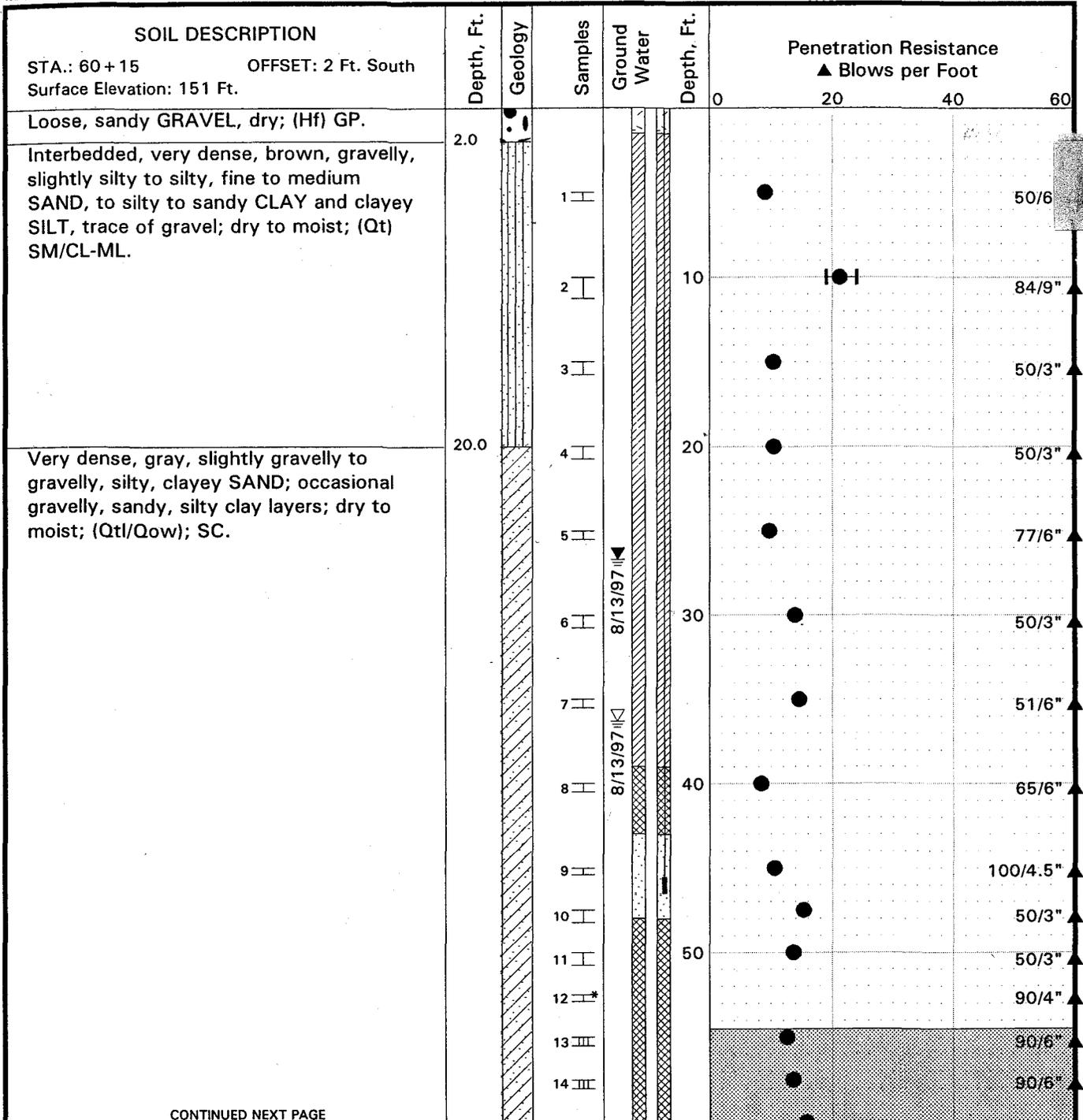
LOG OF BORING TB-12

October 1997

W-7808-21

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FIG. A-12
Sheet 3 of 3



CONTINUED NEXT PAGE

LEGEND

- * Sample Not Recovered
- I 2" O.D. Split Spoon Sample
- II 3" O.D. Shelby Tube Sample
- P Pitcher Barrel Sampler
- III 3" O.D. Split Spoon Sample
- G Grab Sample

- Vibrating Wire Piezometer (VWP)
- ▼ VWP groundwater level
- Piezometer Screen
- ▽ Groundwater Level
- ⊗ Annular Sealant
- ⊠ Grout

- % Water Content
- Liquid Limit
- Plastic Limit
- Natural Water Content

NOTES

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. Refer to KEY for explanation of "Symbols" and definitions.
5. USC letter symbol based on visual classification.

Denny Way/Lake Union CSO Project
Mercer Street Tunnel
Seattle, Washington

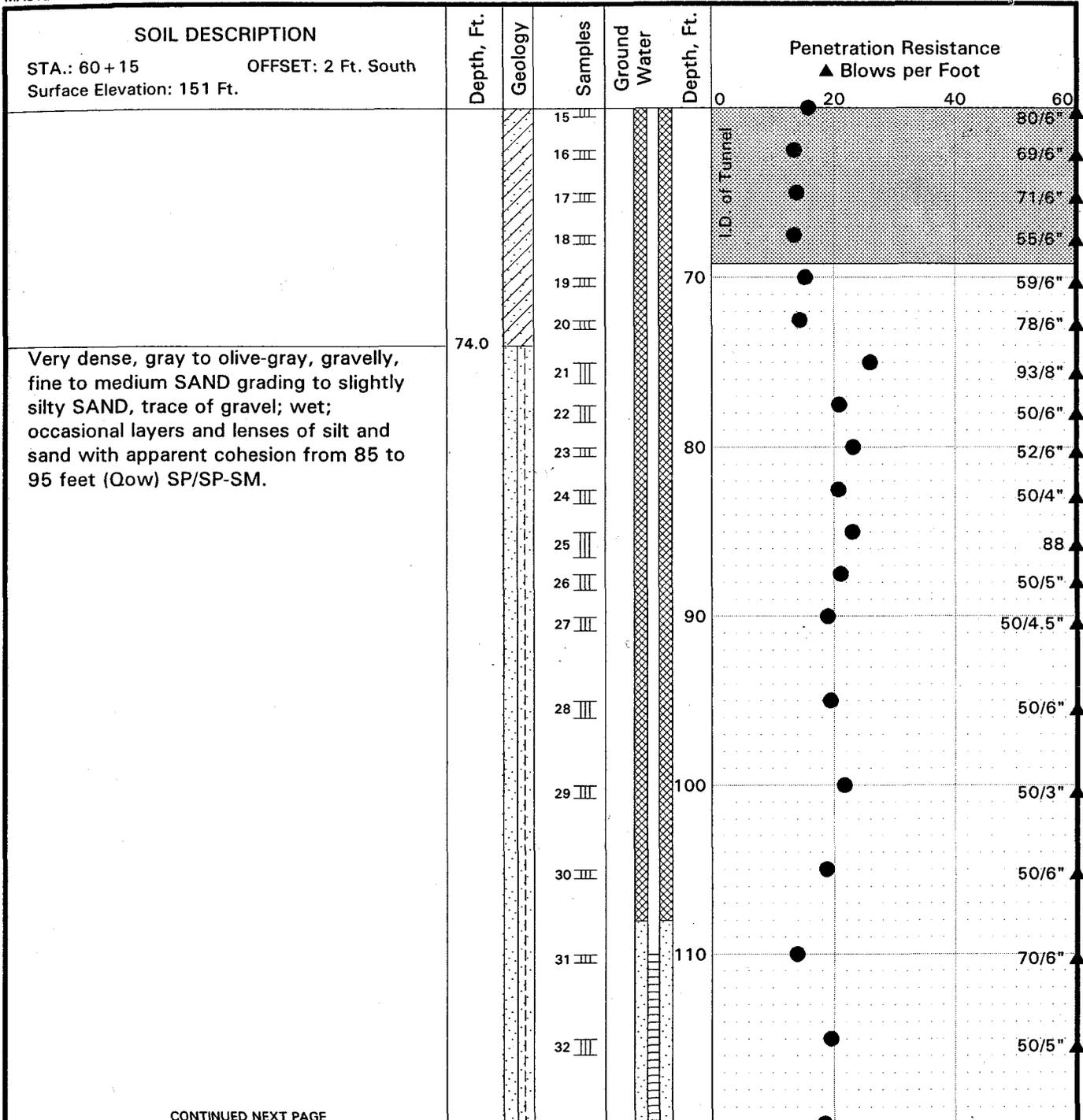
LOG OF BORING TB 12

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W-7808-21

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FIG. A-12
Sheet 1 of 3



CONTINUED NEXT PAGE

LEGEND

- * Sample Not Recovered
- ▤ 2" O.D. Split Spoon Sample
- ▥ 3" O.D. Shelby Tube Sample
- P Pitcher Barrel Sampler
- ▧ 3" O.D. Split Spoon Sample
- G Grab Sample
- ▩ Vibrating Wire Piezometer (VWP)
- ▼ VWP groundwater level
- ▨ Piezometer Screen
- ▽ Groundwater Level
- ▩ Annular Sealant
- ▩ Grout

● % Water Content
 Plastic Limit —●— Liquid Limit
 Natural Water Content

NOTES

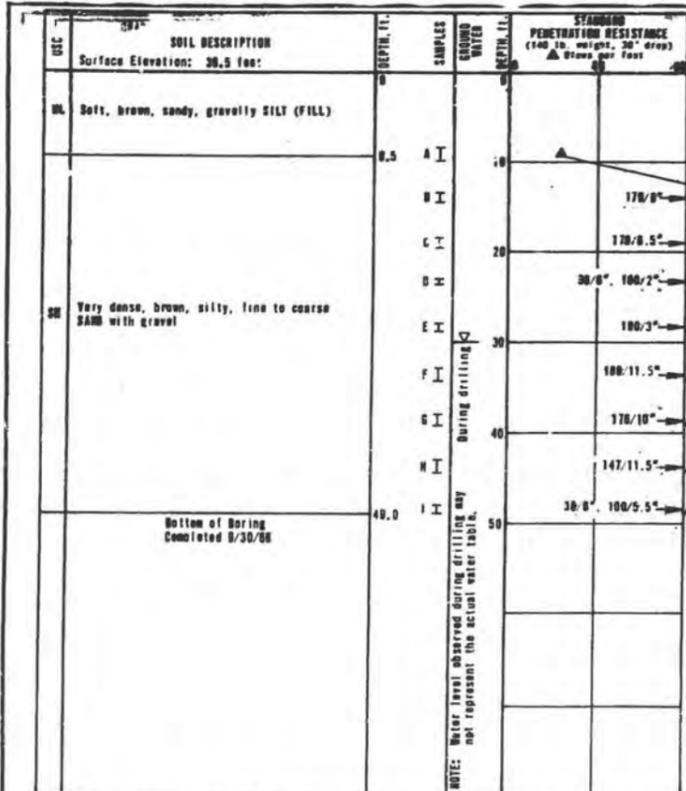
- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.
- Refer to KEY for explanation of "Symbols" and definitions.
- USC letter symbol based on visual classification.

Denny Way/Lake Union CSO Project
 Mercer Street Tunnel
 Seattle, Washington

LOG OF BORING TB-12

October 1997 W-7808-21

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LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

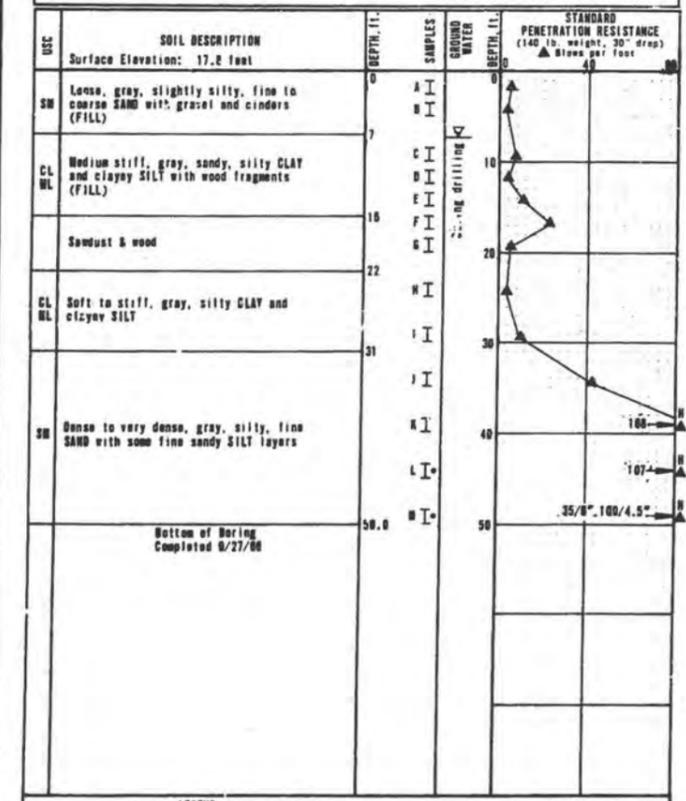
Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-1
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

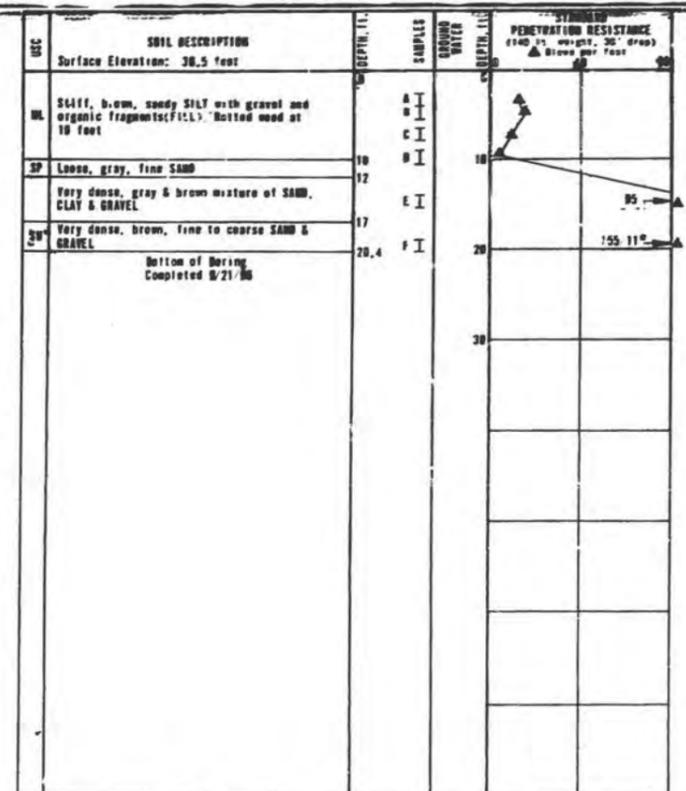
Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-5
 FEB. 12, 1971 W-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

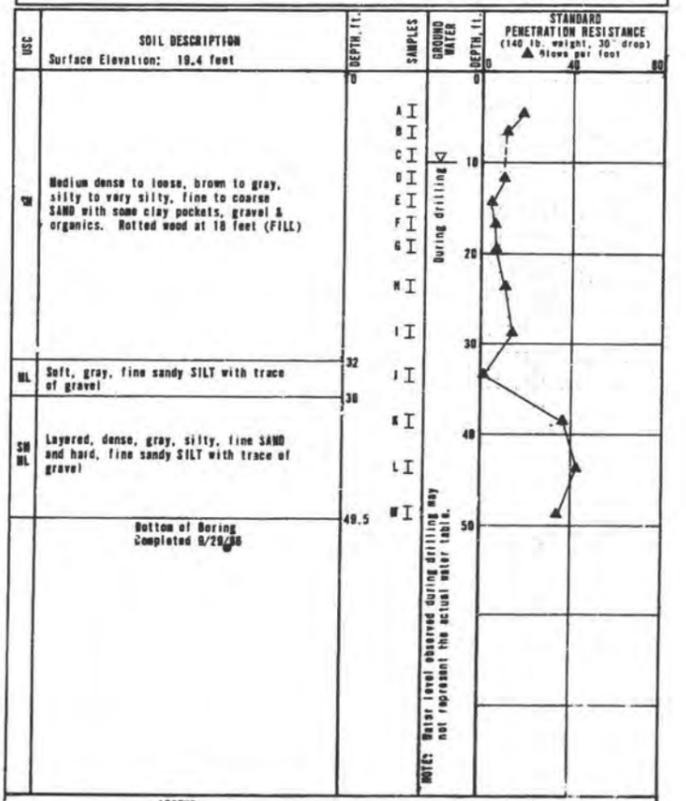
Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-2
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

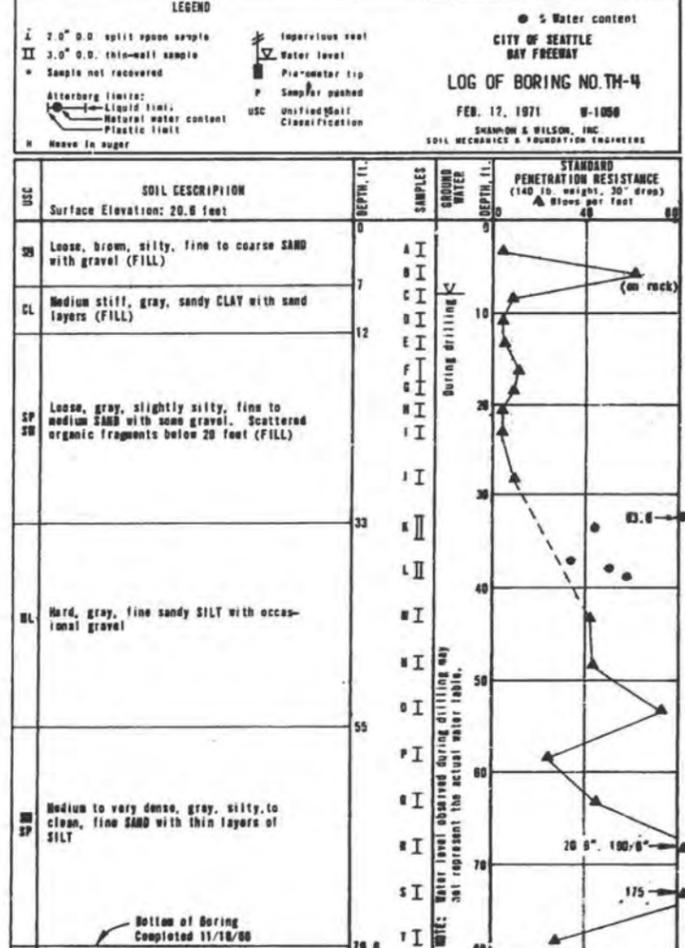
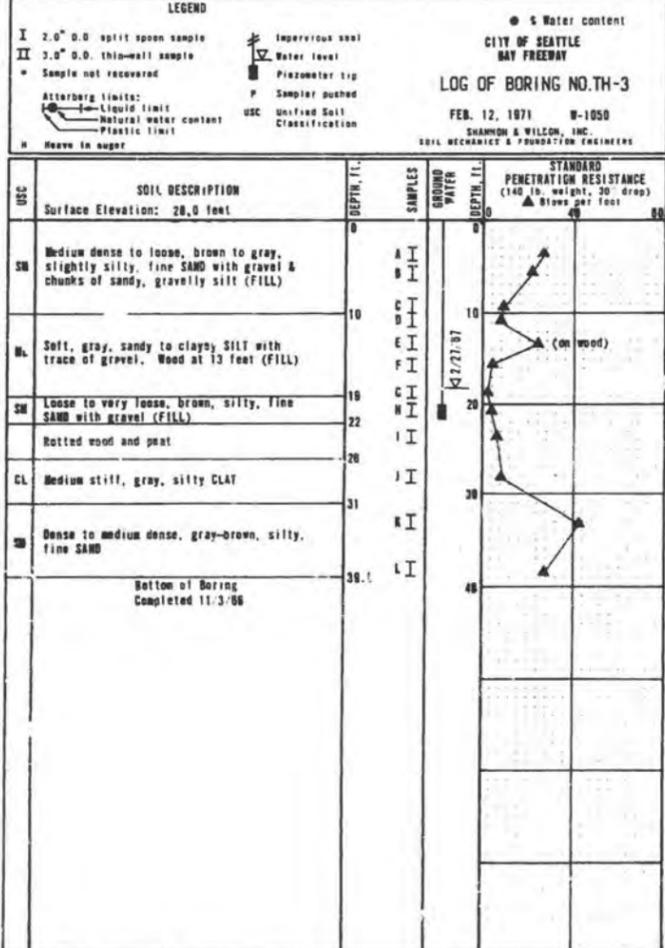
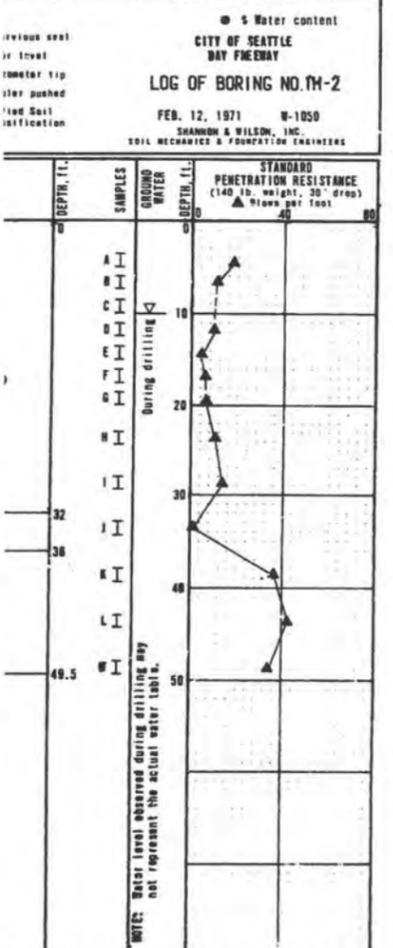
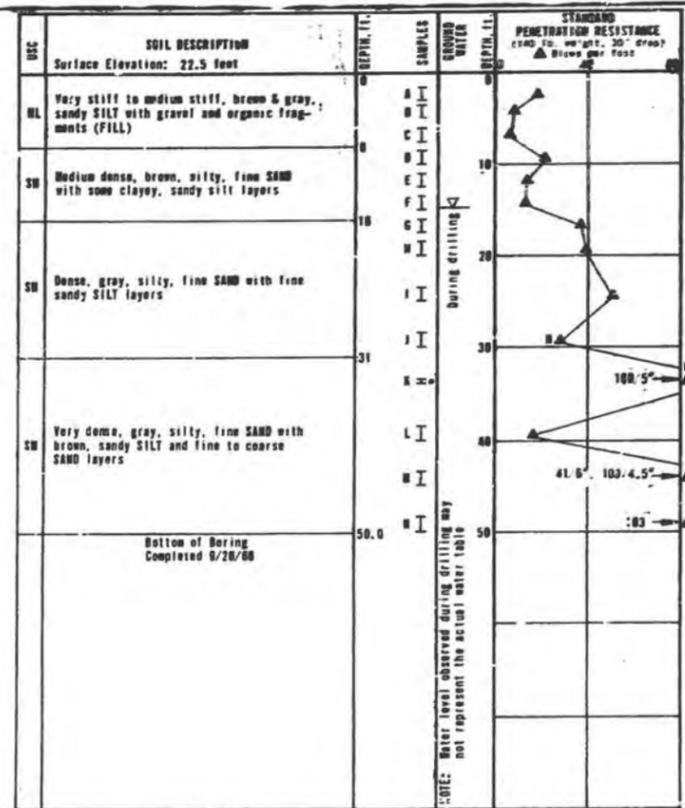
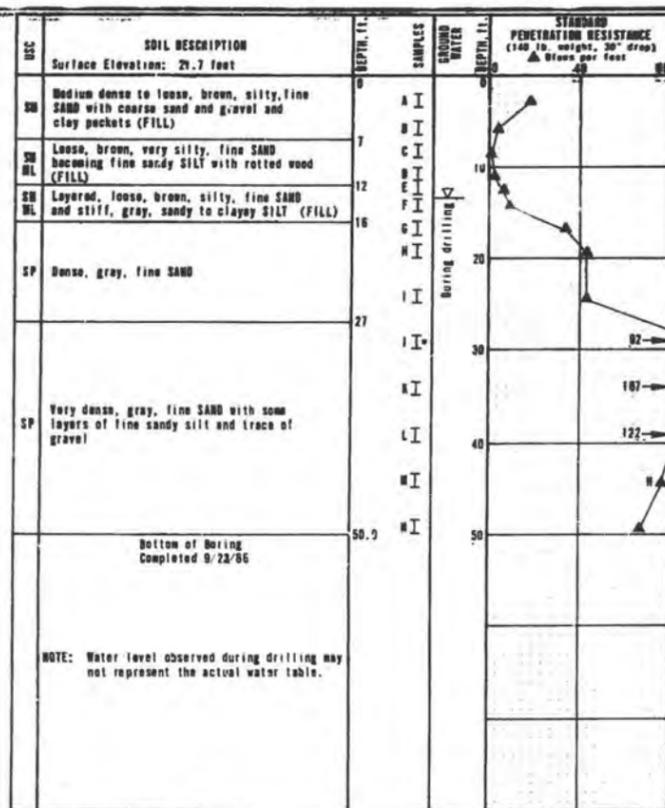
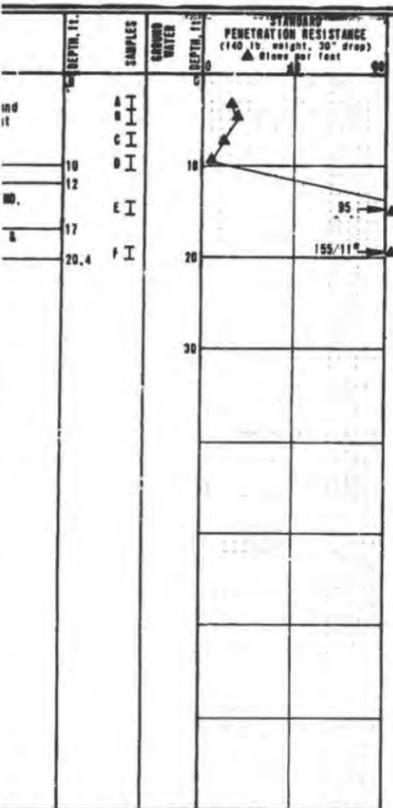
Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

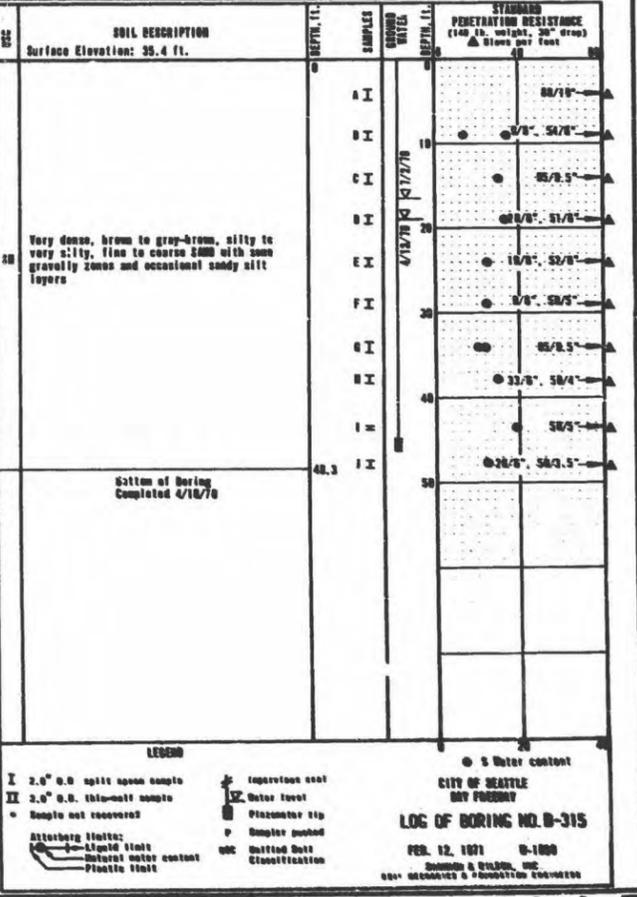
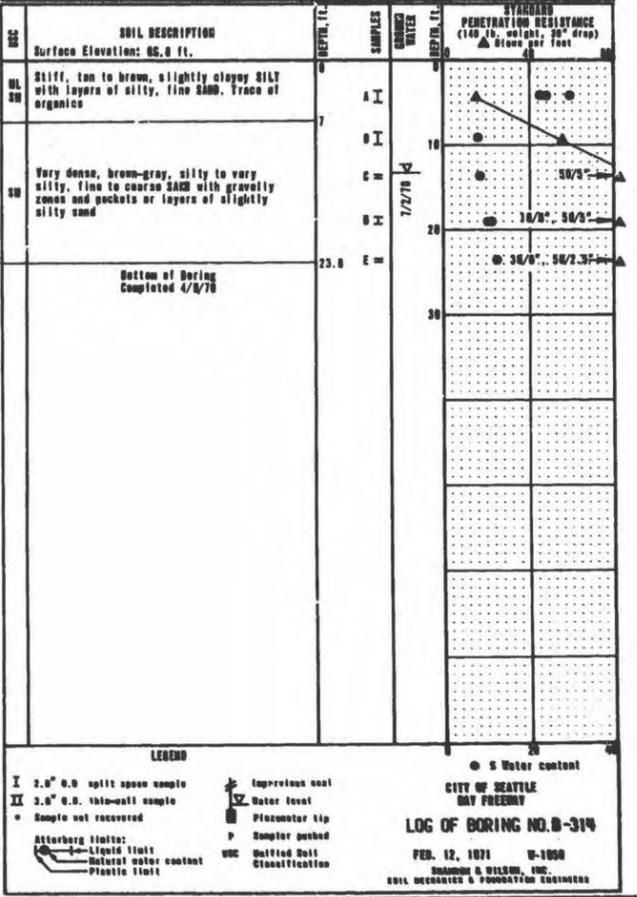
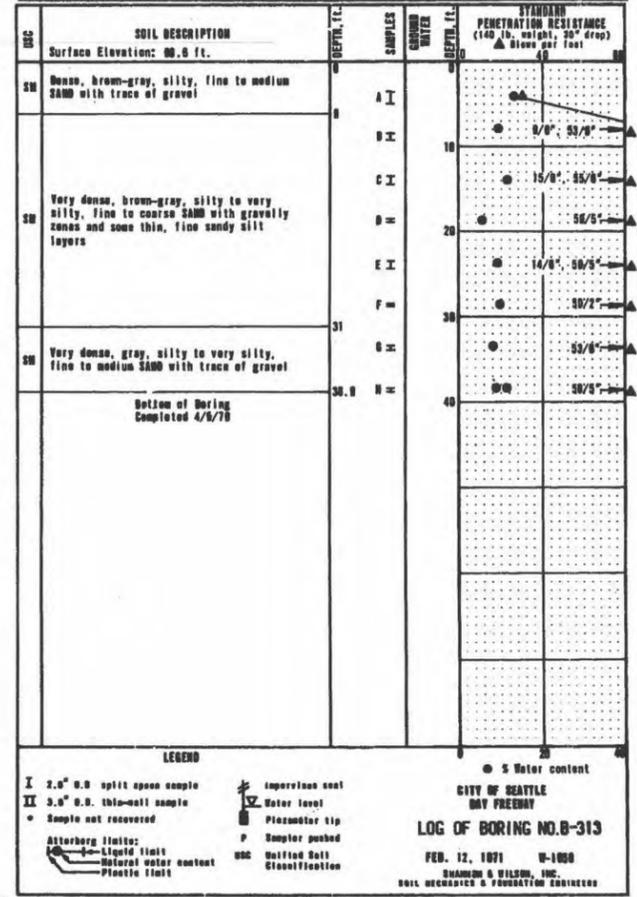
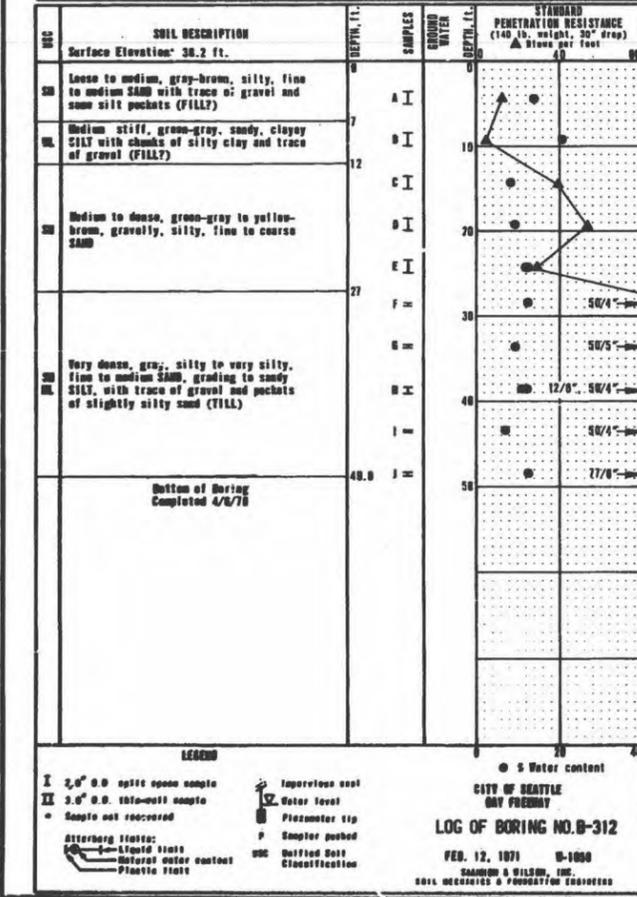
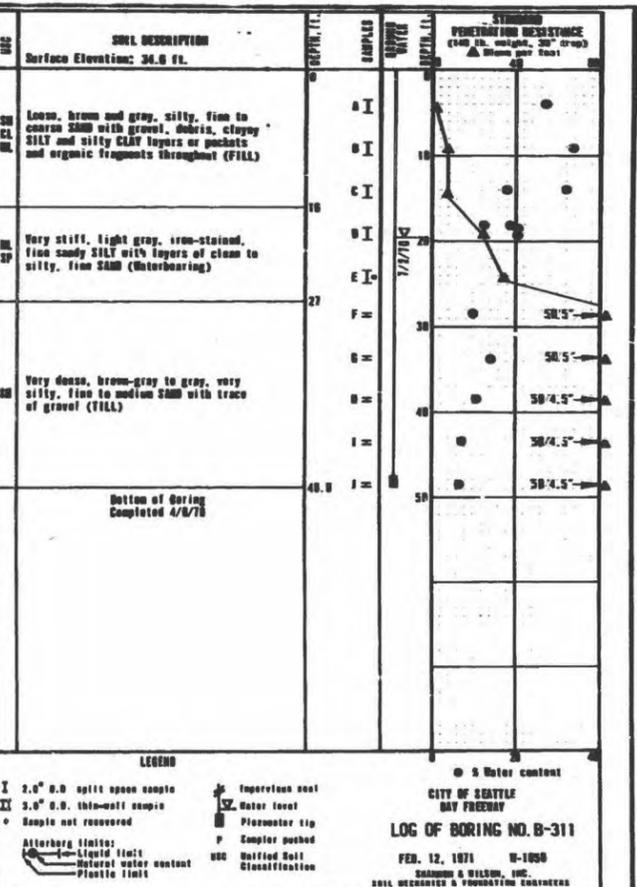
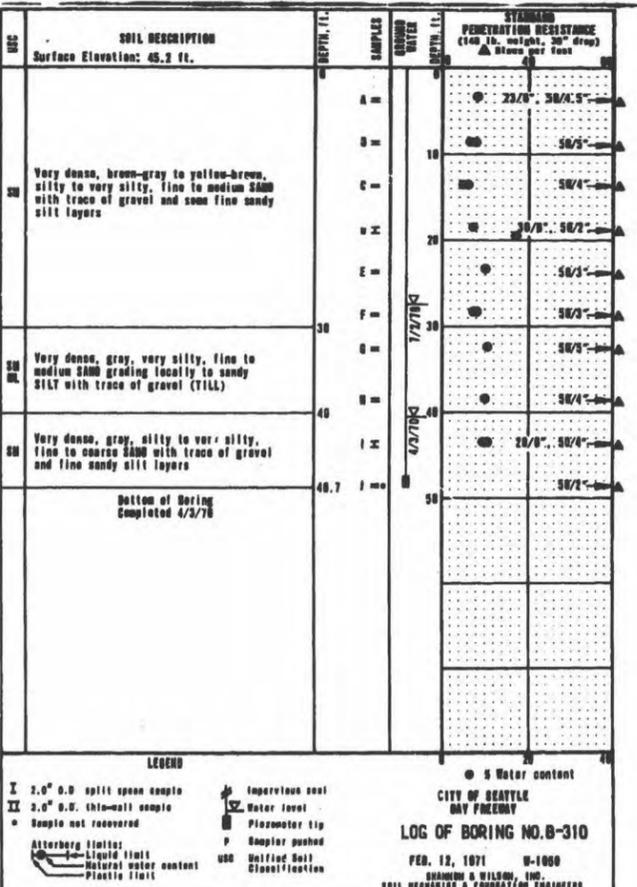
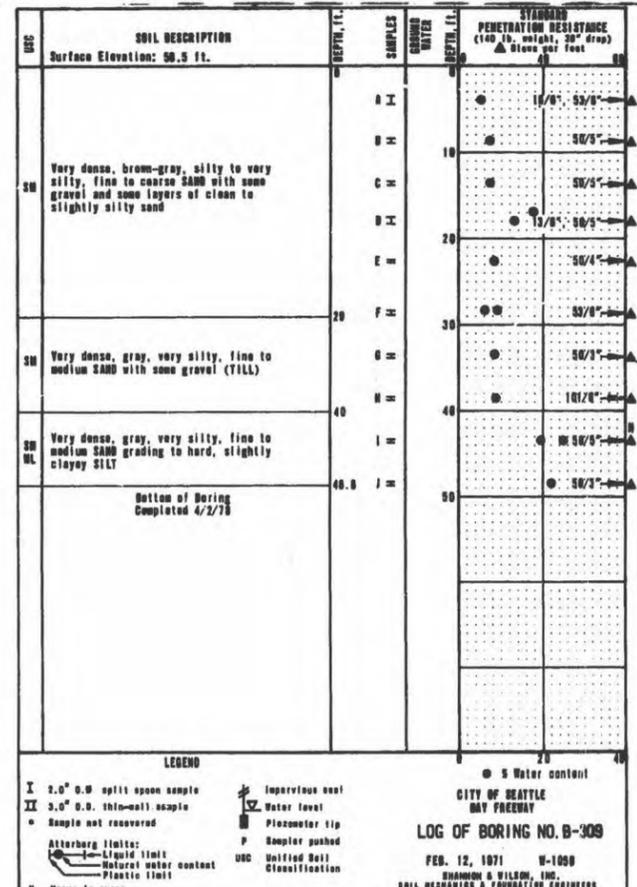
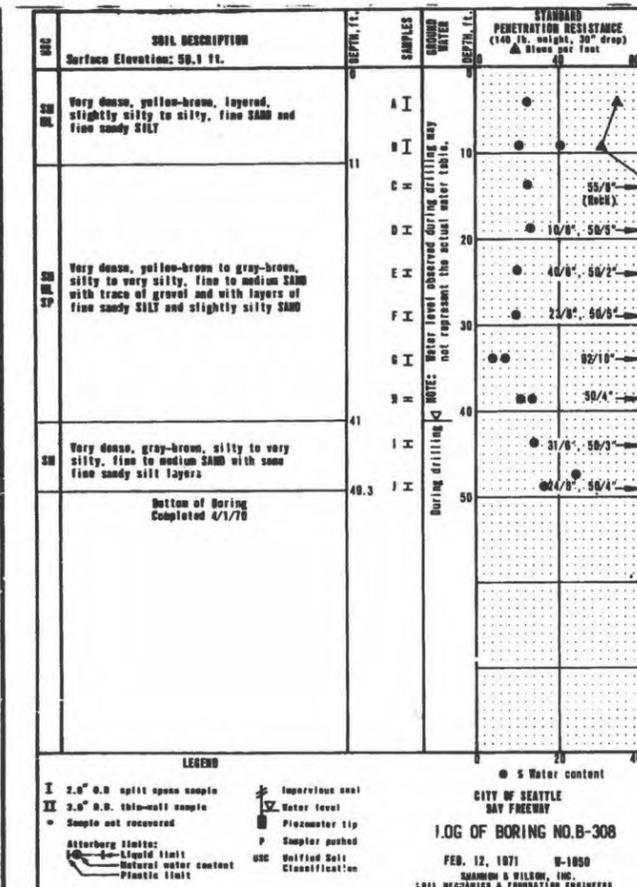
CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-6
 FEB. 12, 1971 W-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

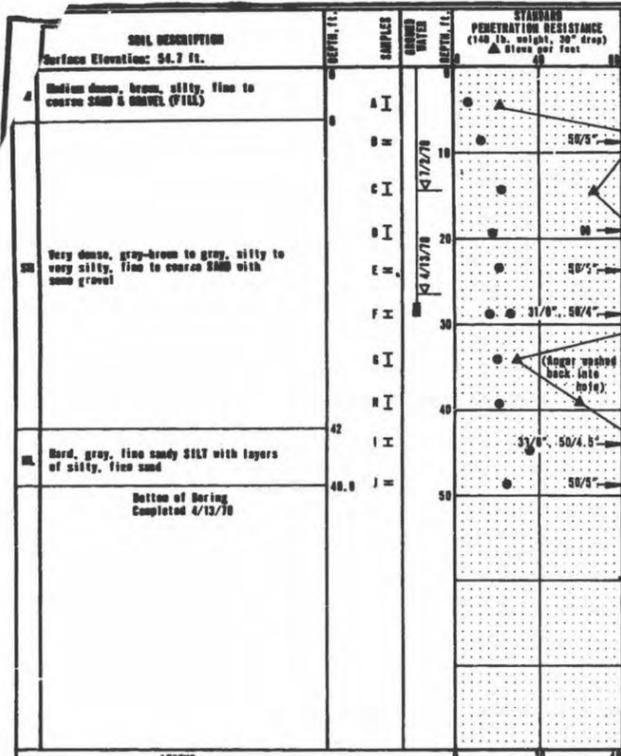
0761



07611 FIG. A-1

07611

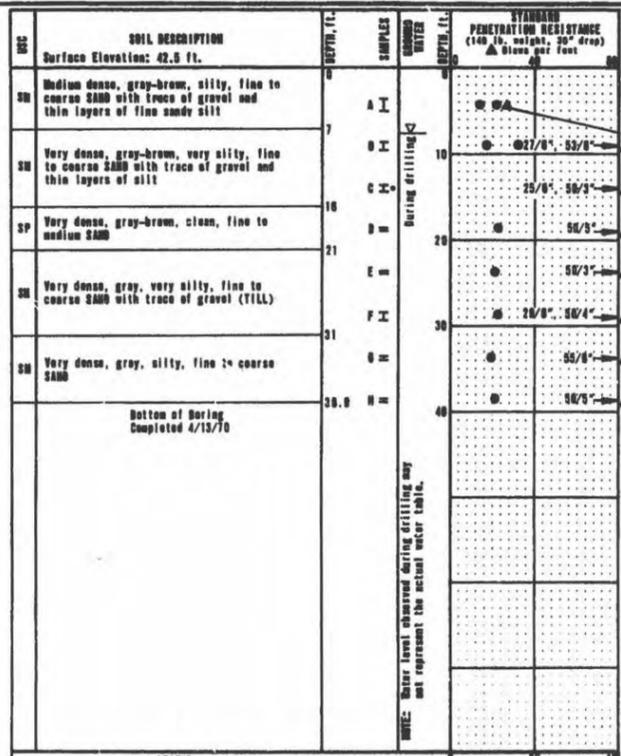




LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

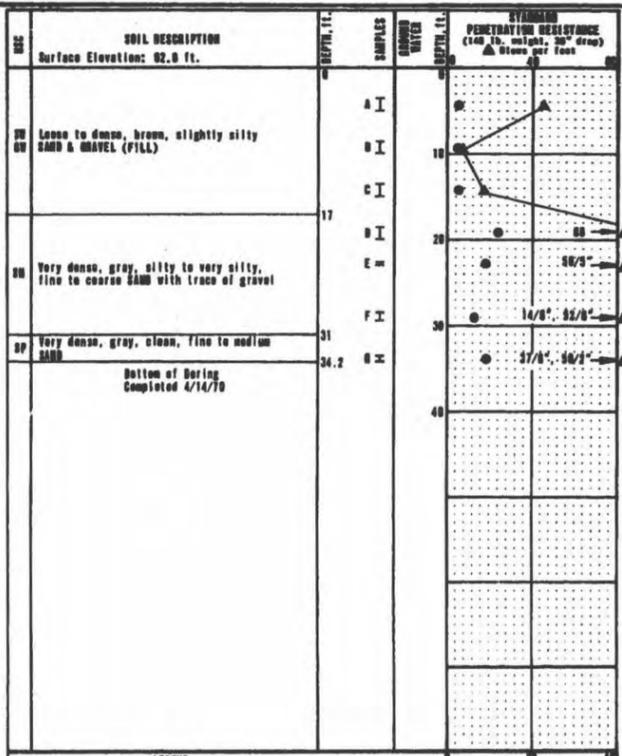
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-316
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

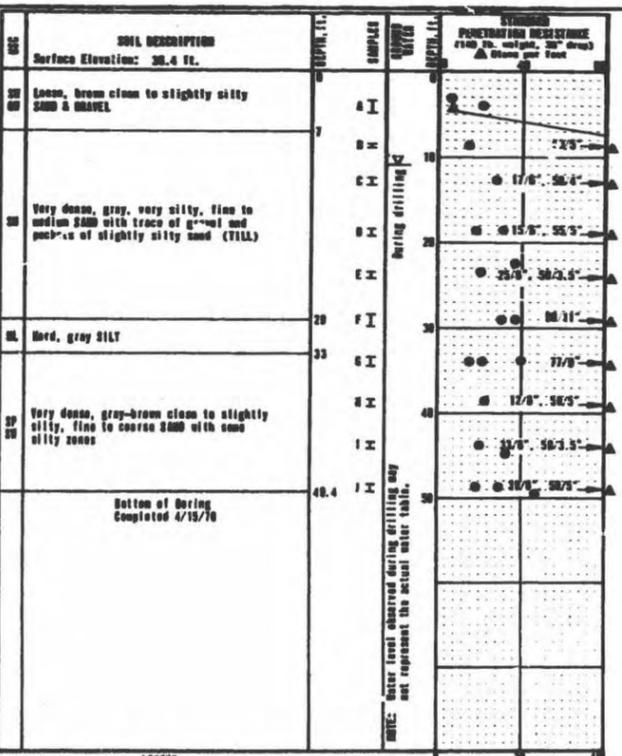
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-317
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

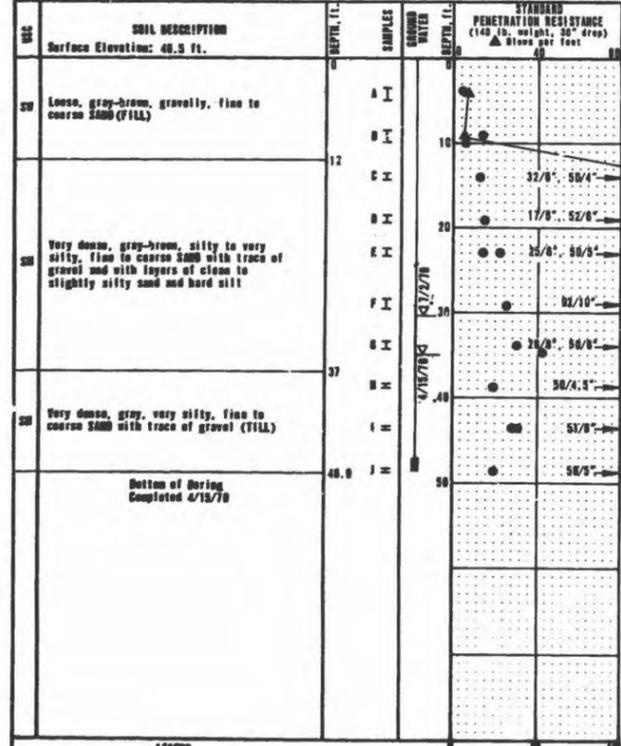
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-318
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

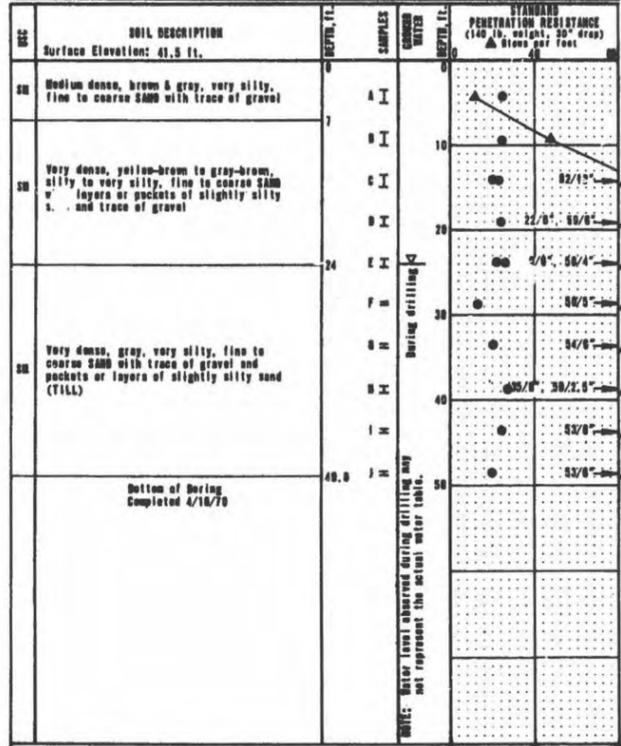
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-319
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

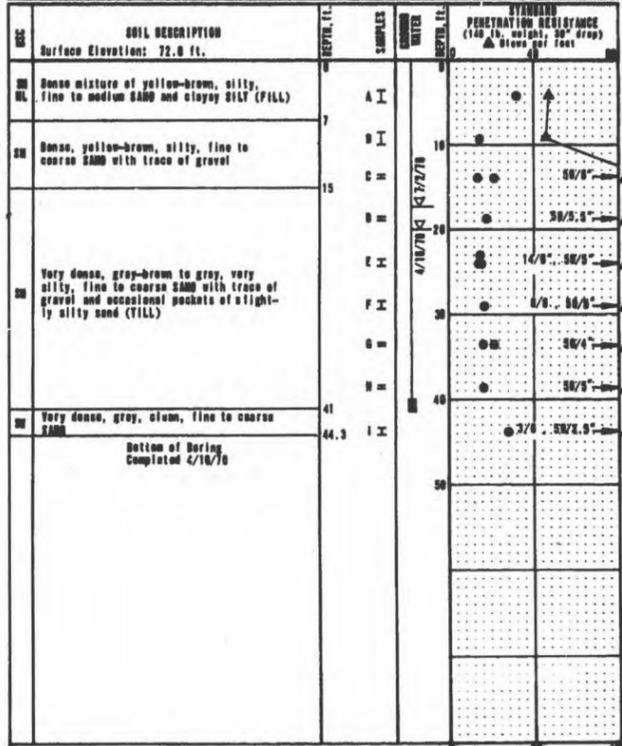
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-320
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

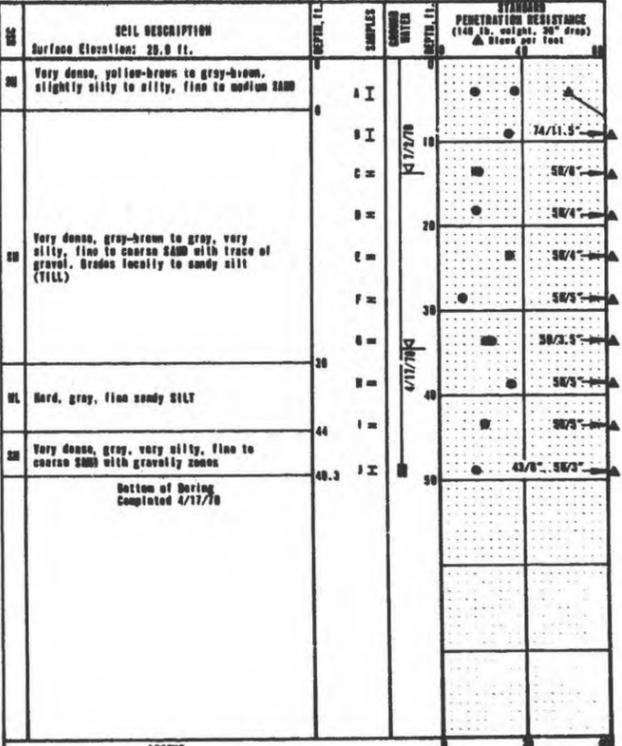
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-321
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

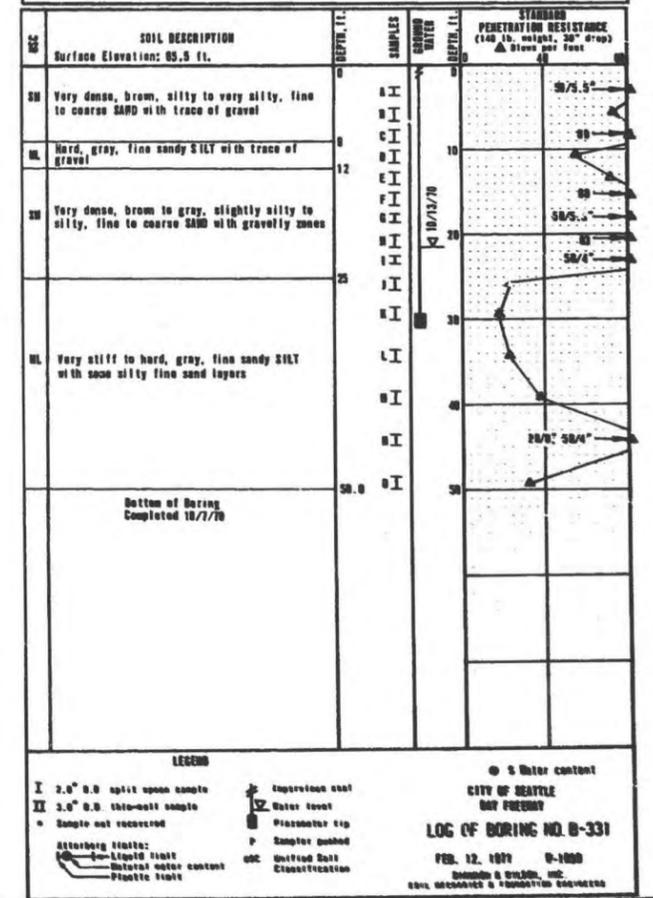
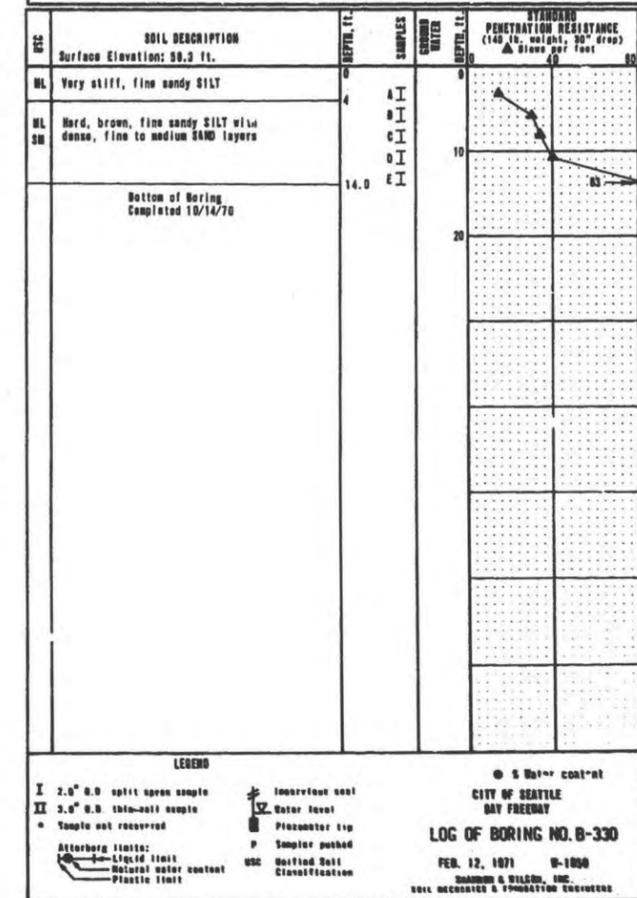
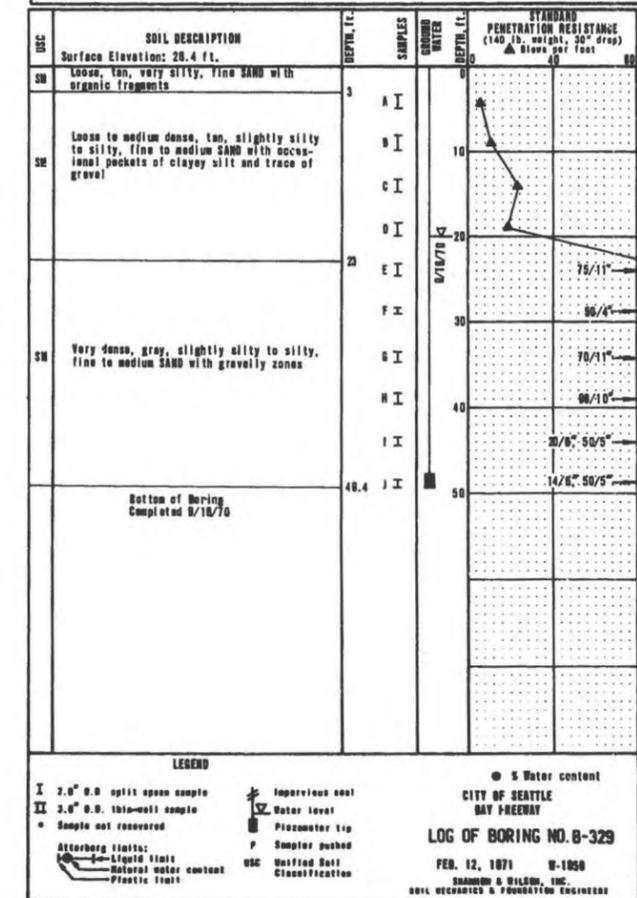
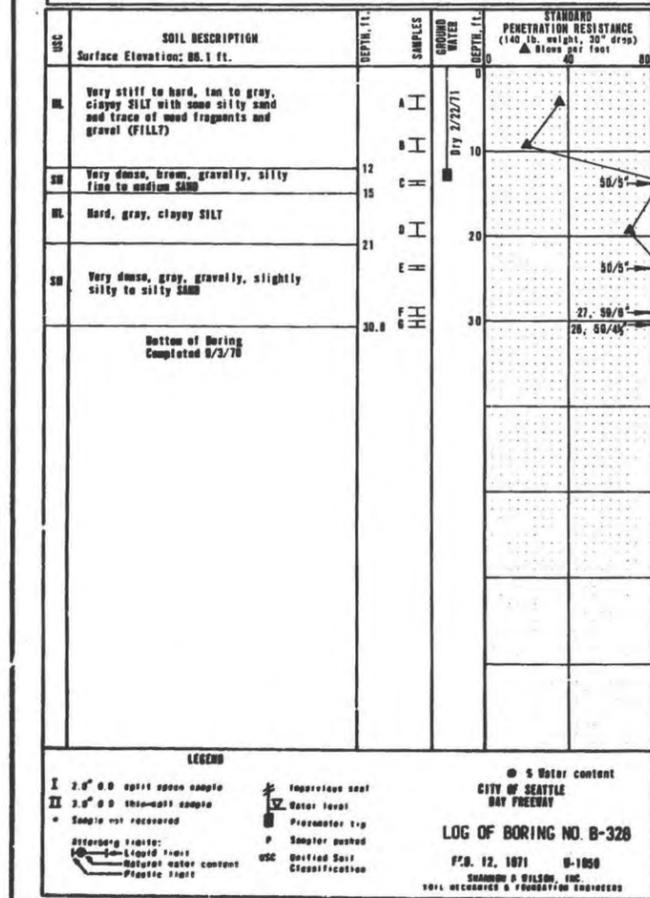
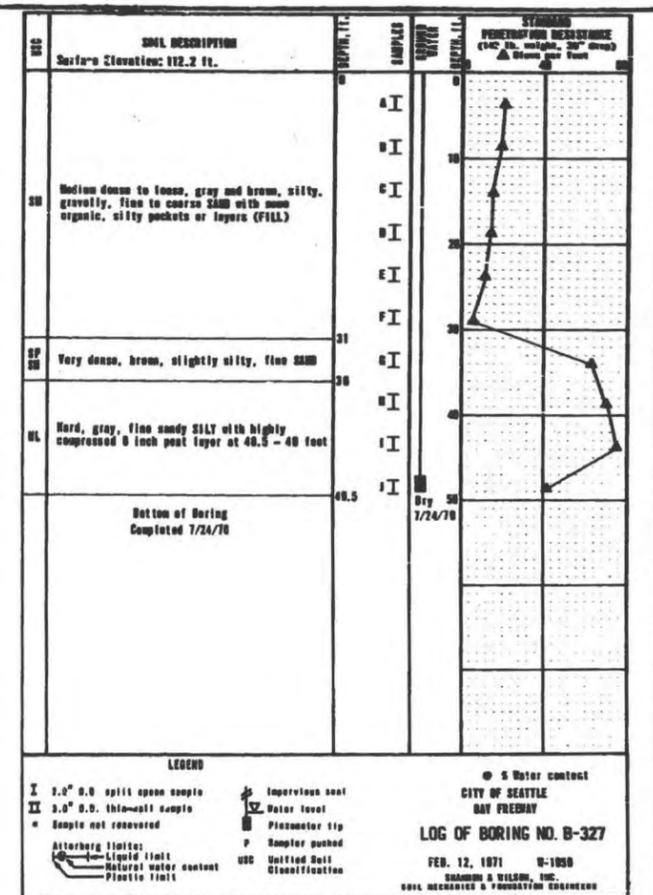
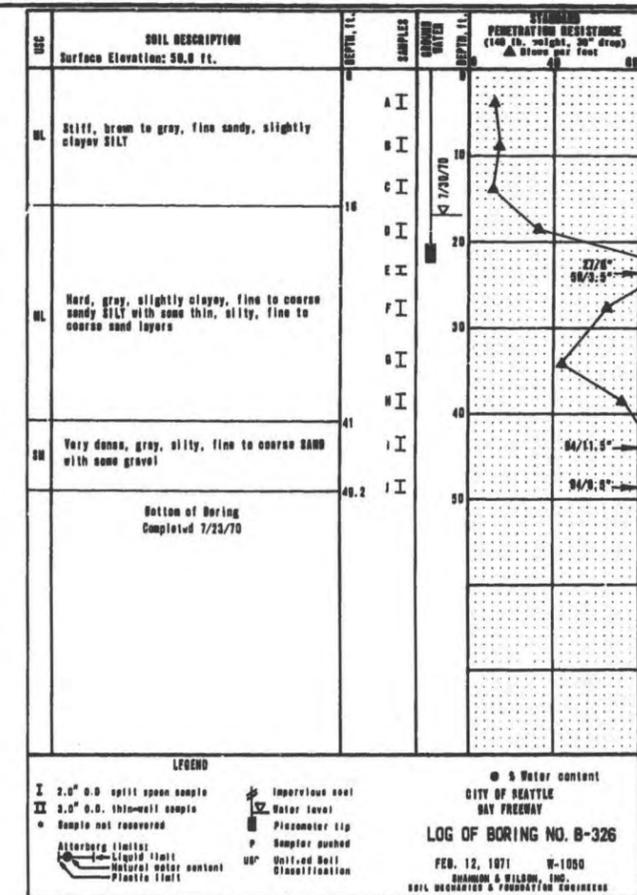
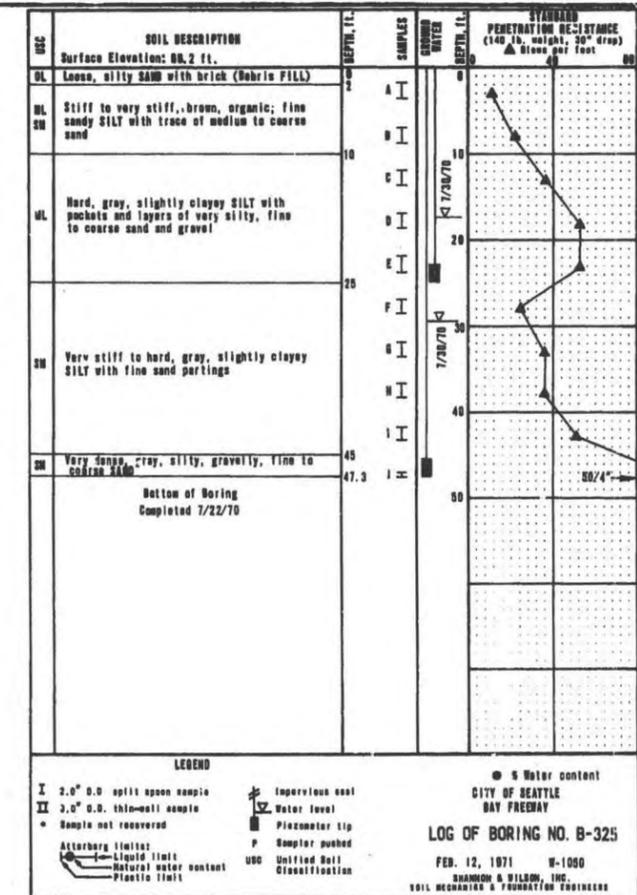
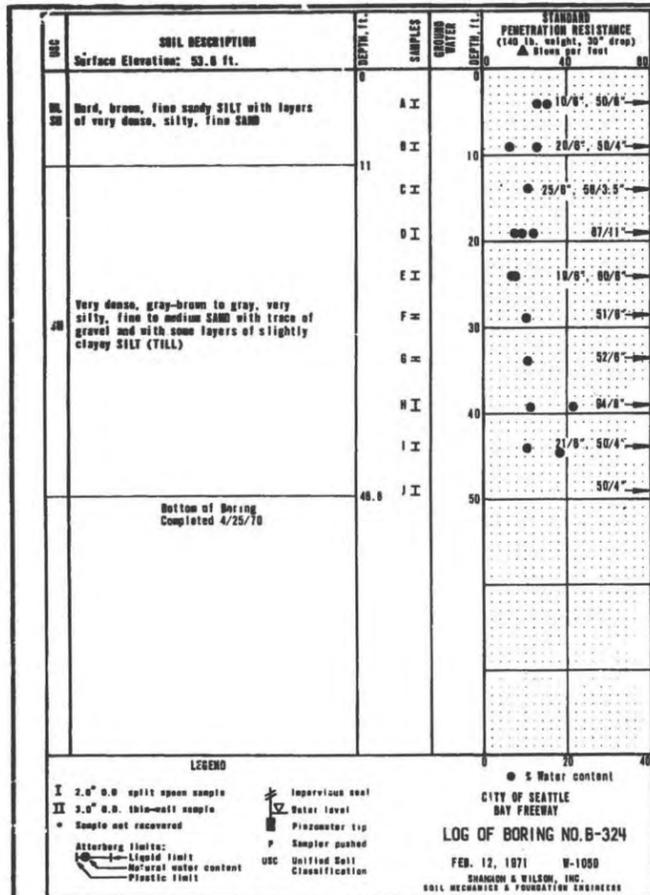
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-322
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS

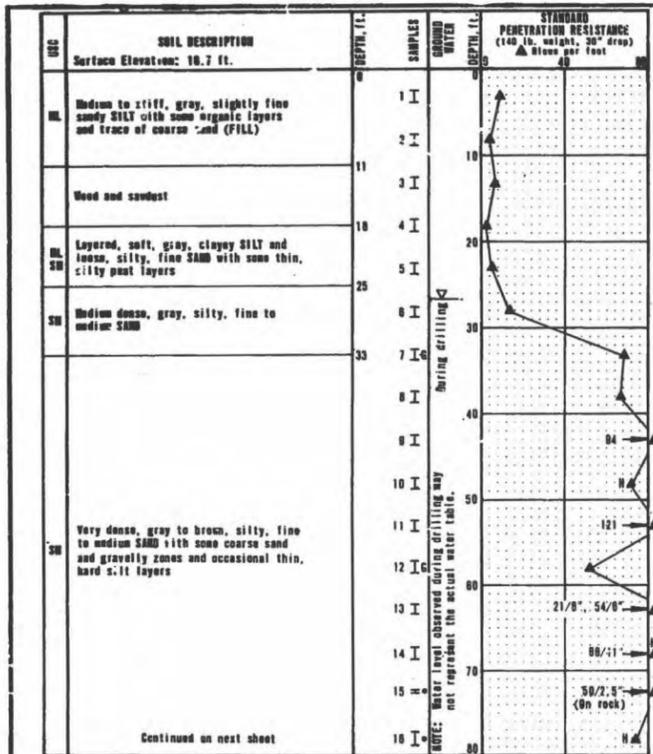


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-323
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS

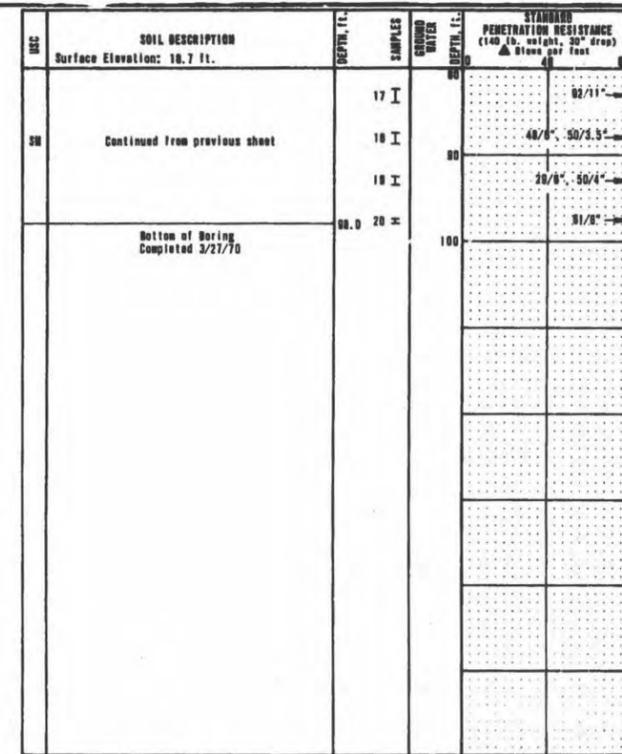




LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

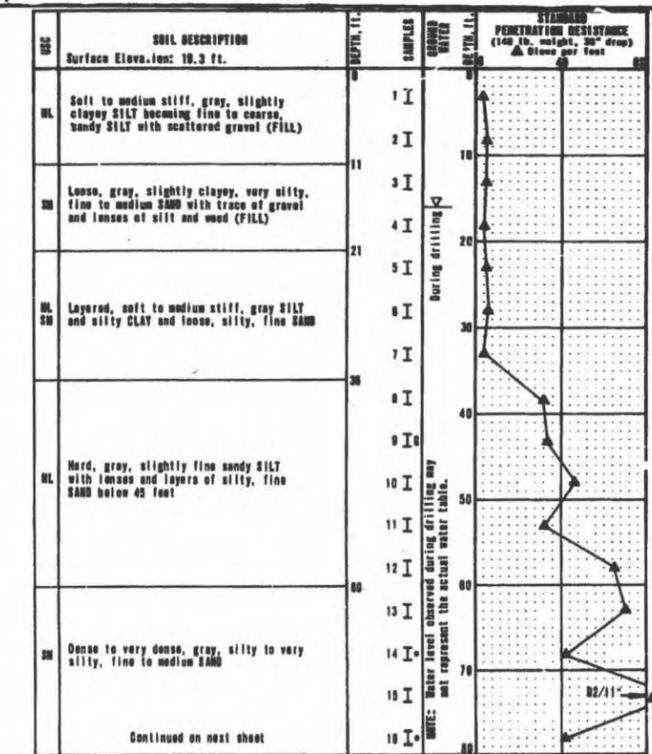
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-401
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

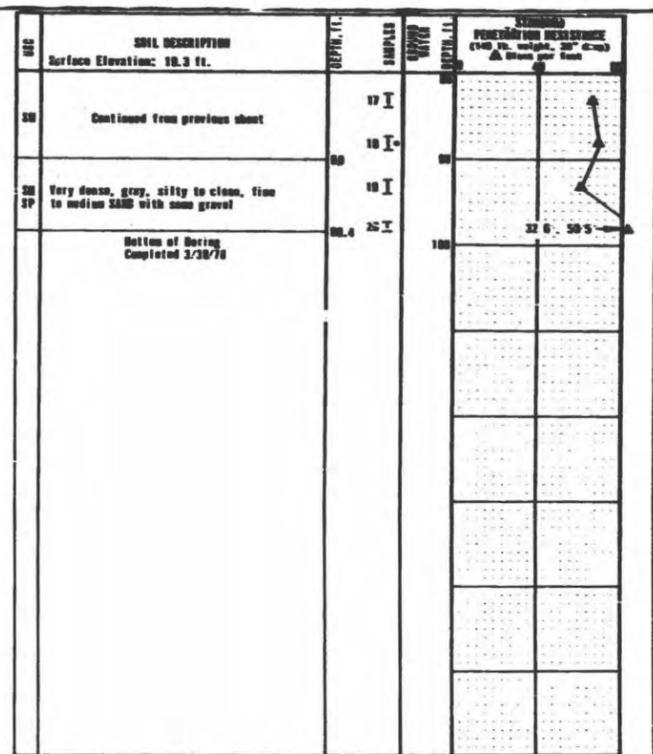
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-401
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

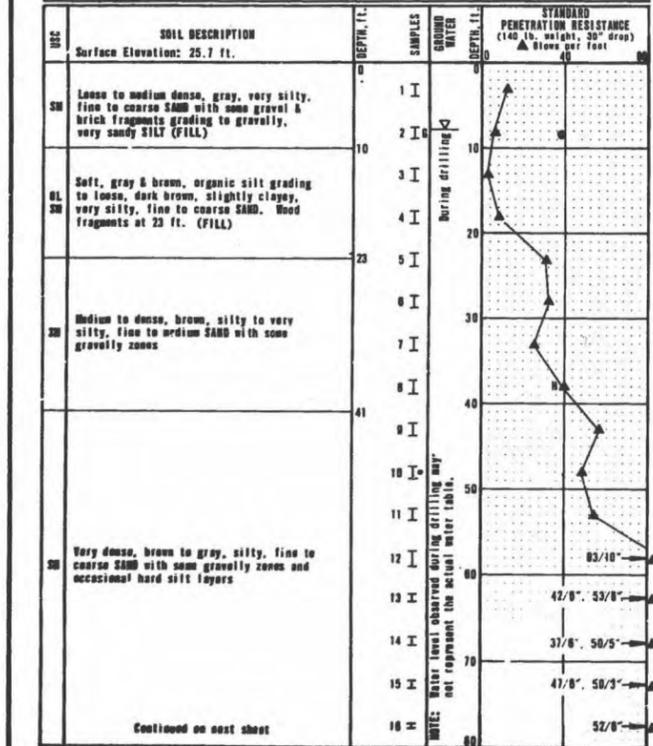
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-402
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

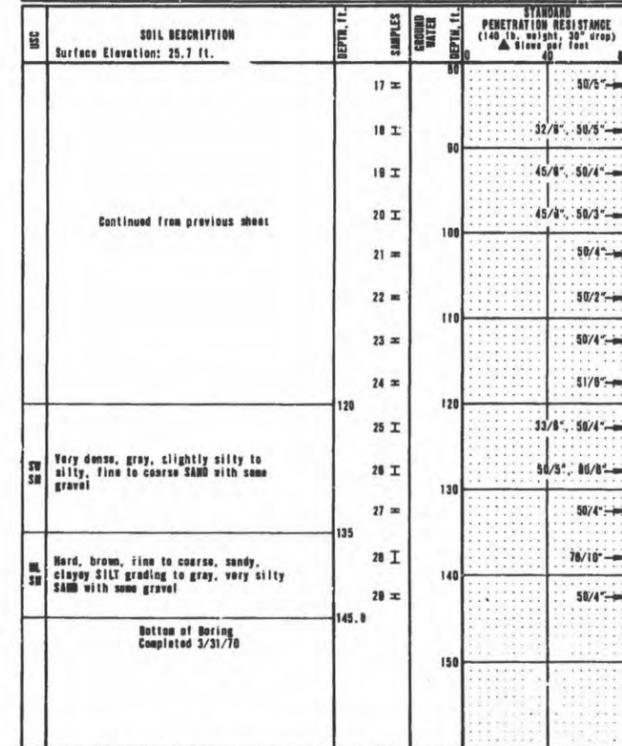
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-402
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

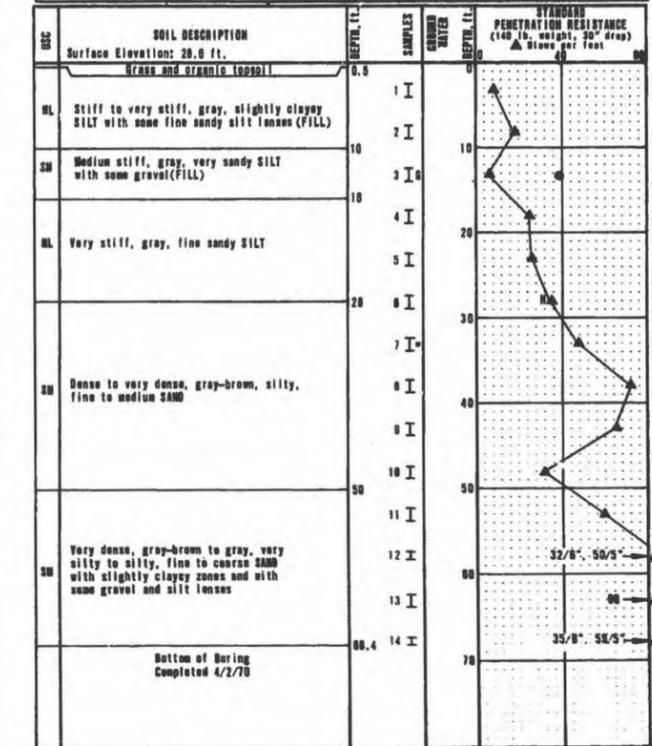
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-403
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

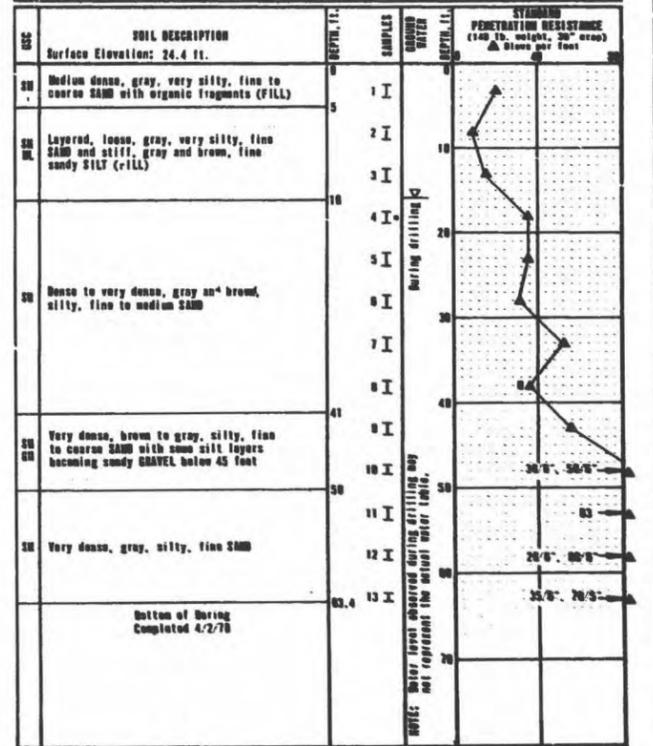
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-403
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

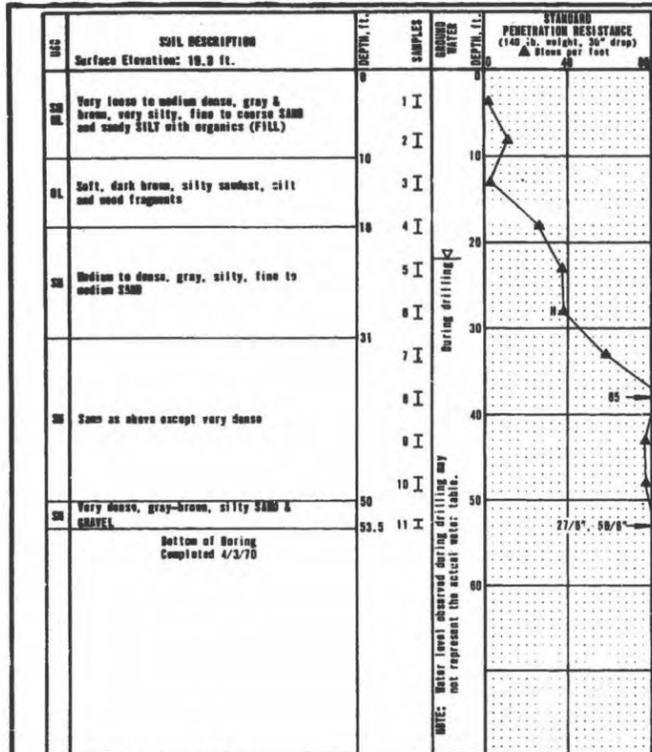
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-404
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification

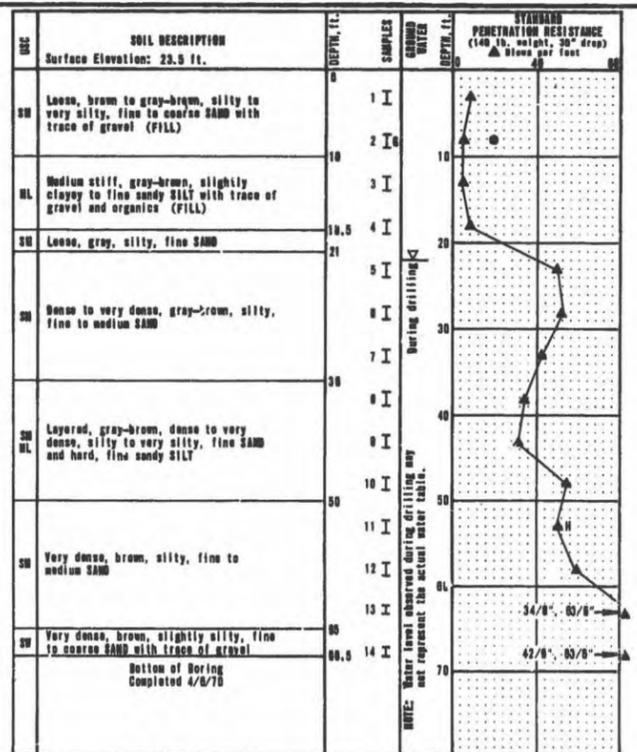
CITY OF SEATTLE
DAY FREEWAY
LOG OF BORING NO. B-405
FEB. 12, 1971 N-1050
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

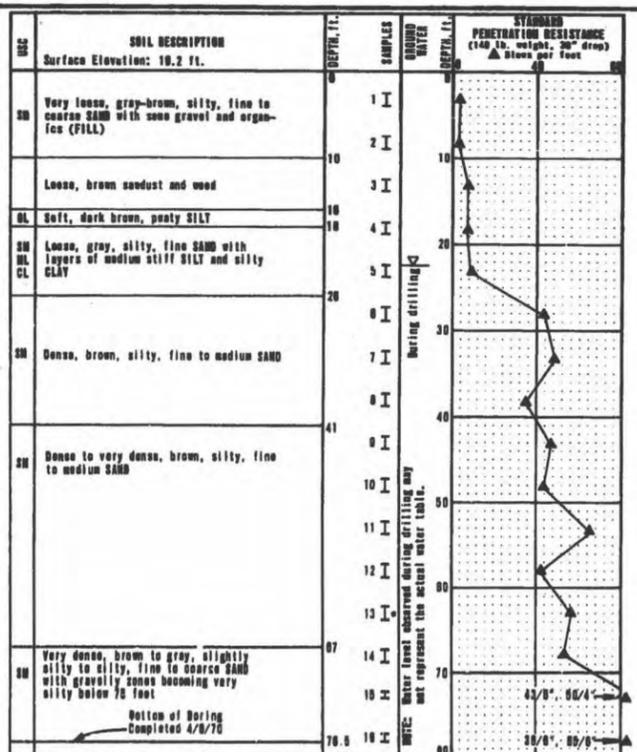
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-406
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

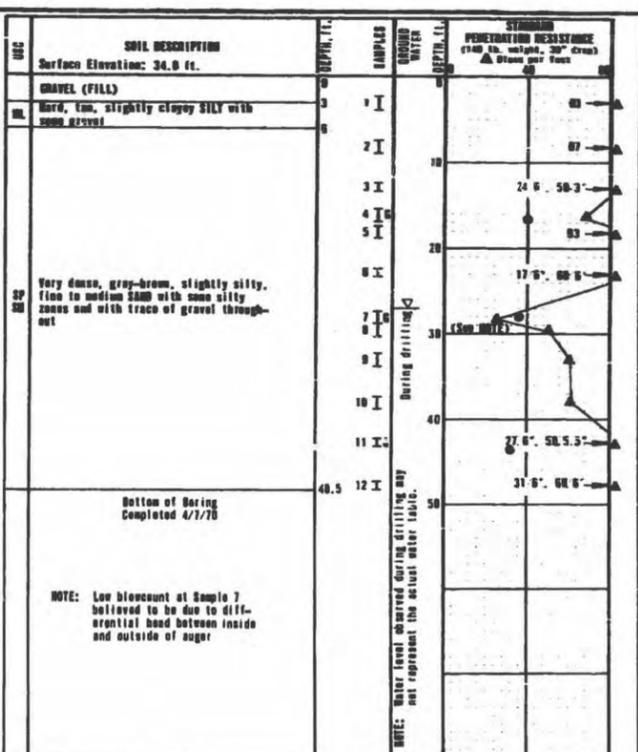
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-407
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

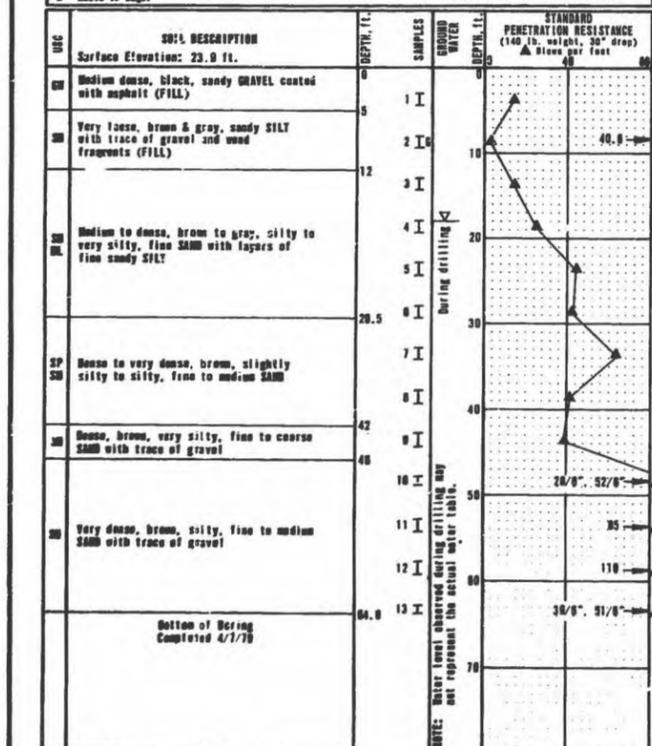
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-408
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

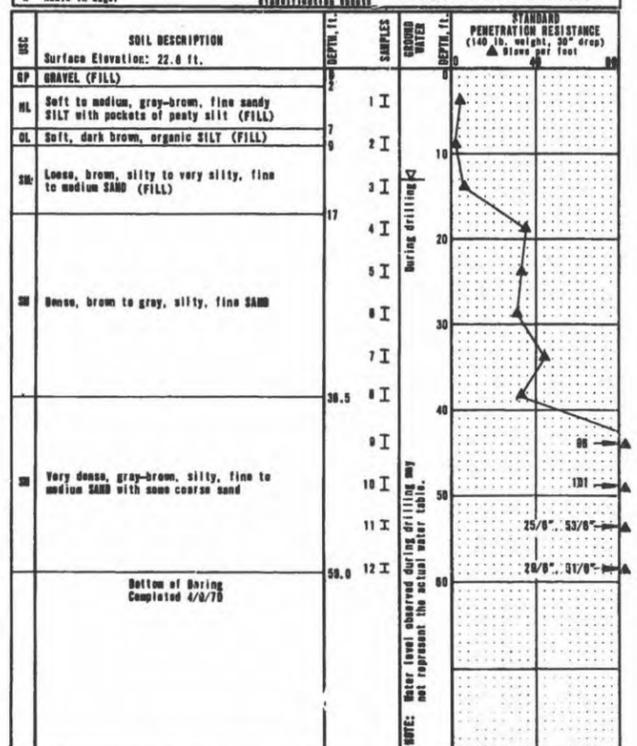
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-409
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

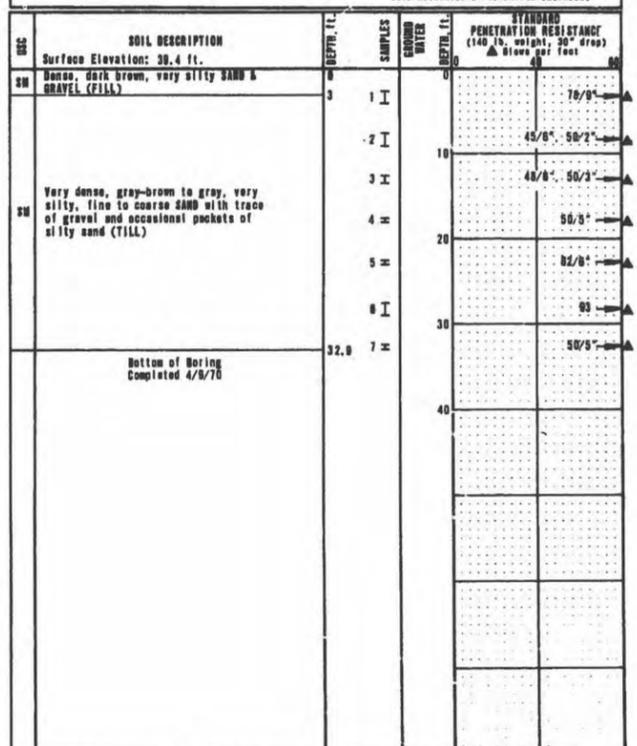
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-410
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

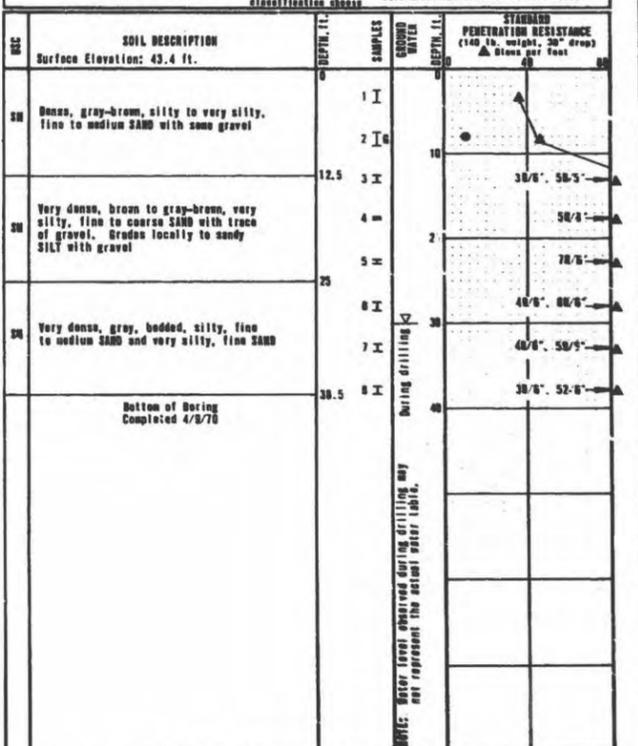
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-411
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

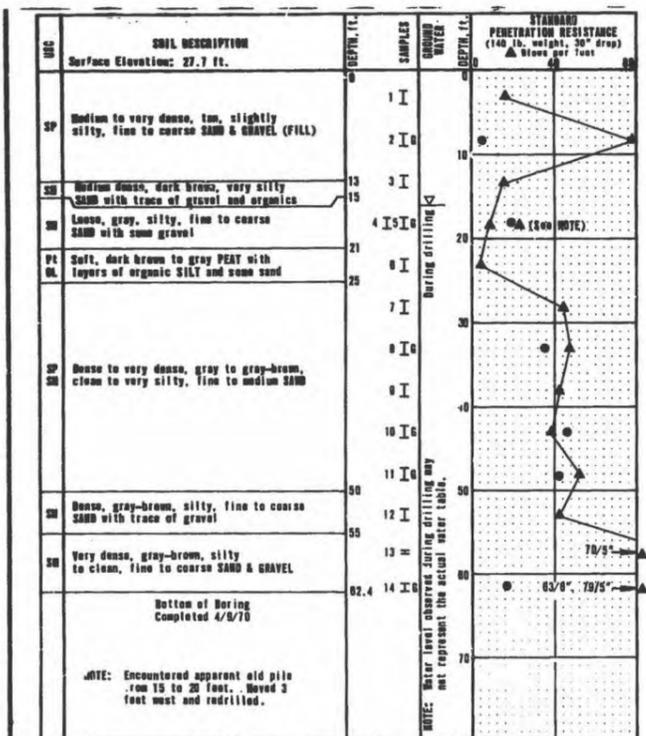
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-412
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- USC Unified Soil Classification
- See grade also
- See grade also

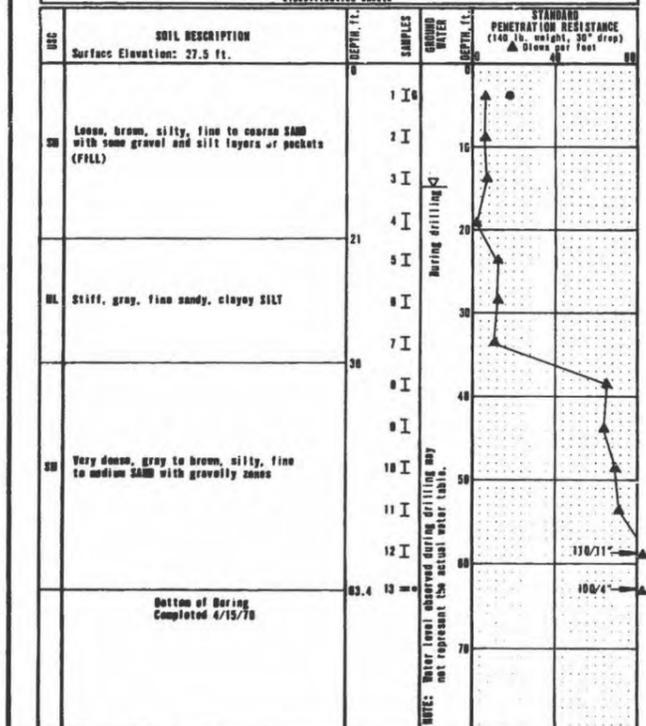
CITY OF SEATTLE
BAY FREEMAN
LOG OF BORING NO. B-413
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheets

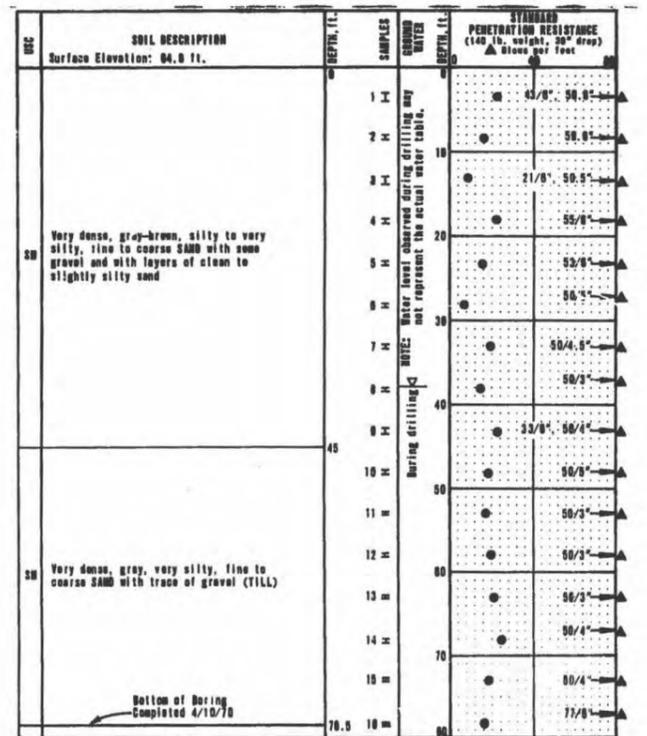
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-414
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheets

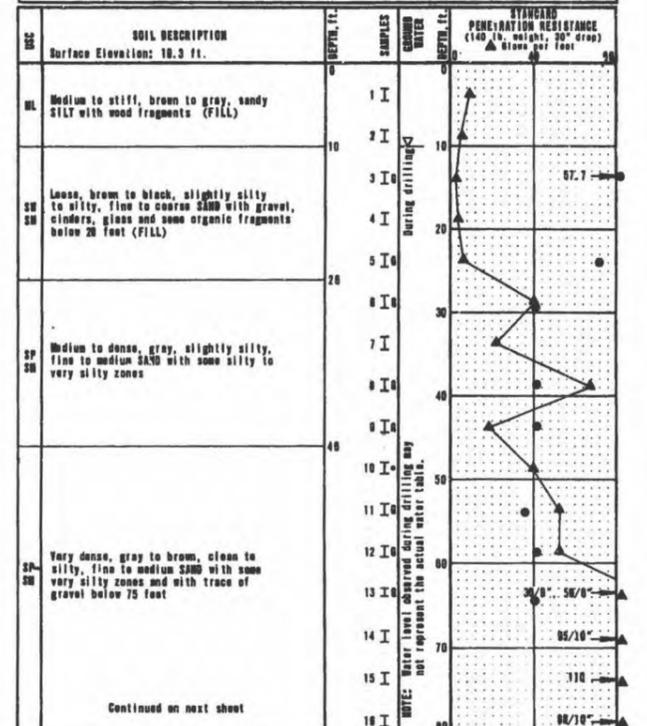
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-418
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheets

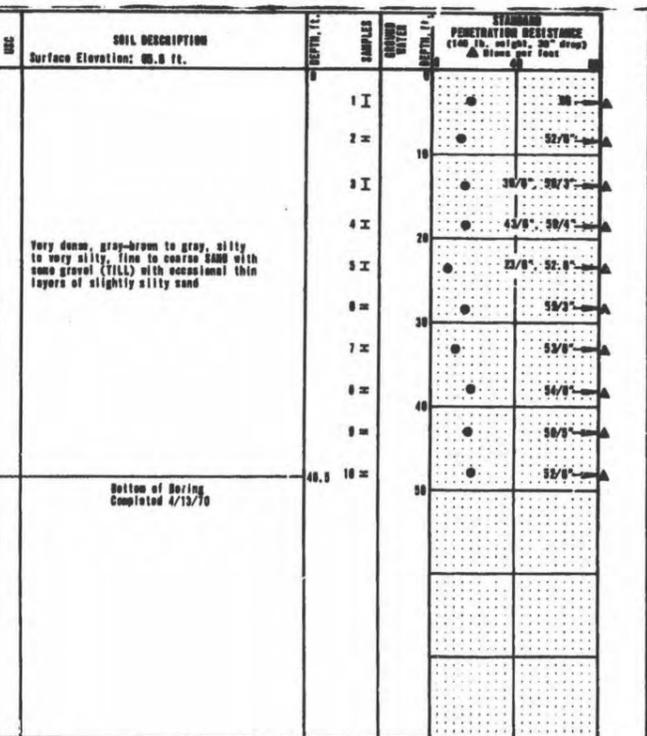
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-415
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheets

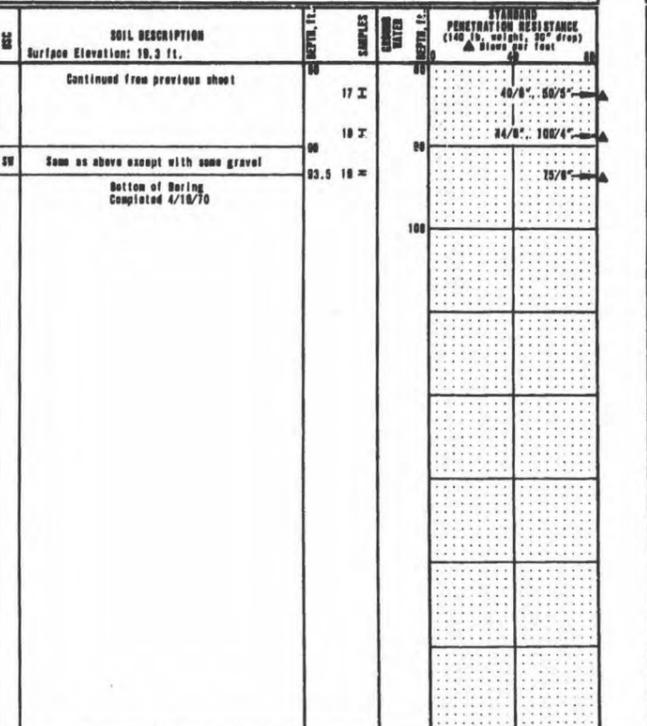
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-419
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

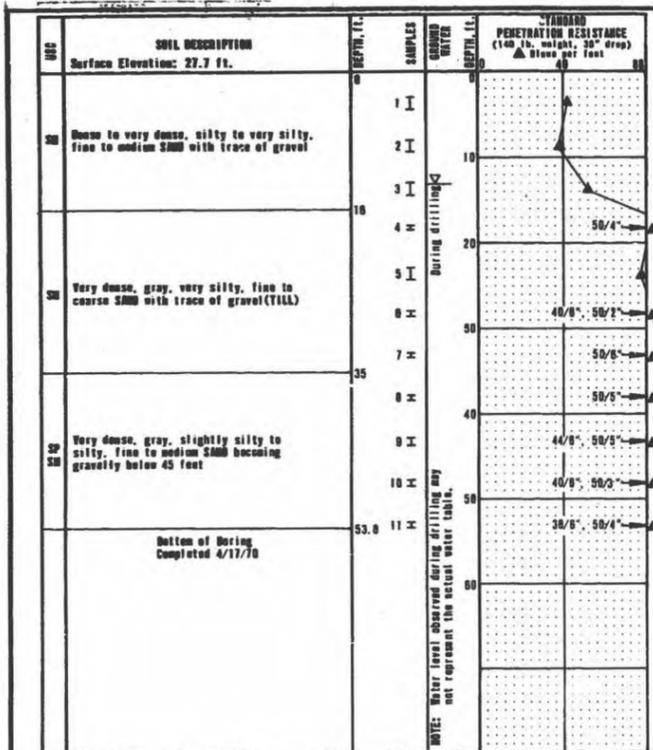


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-416
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

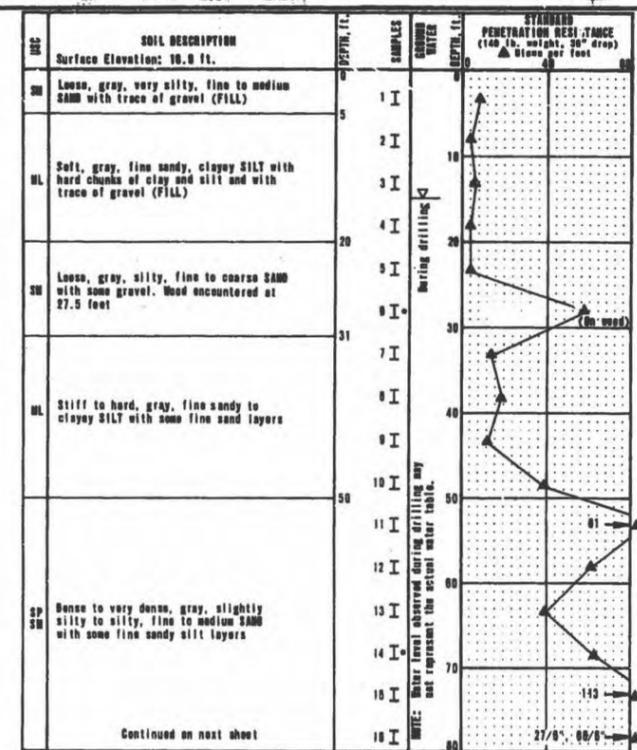




LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

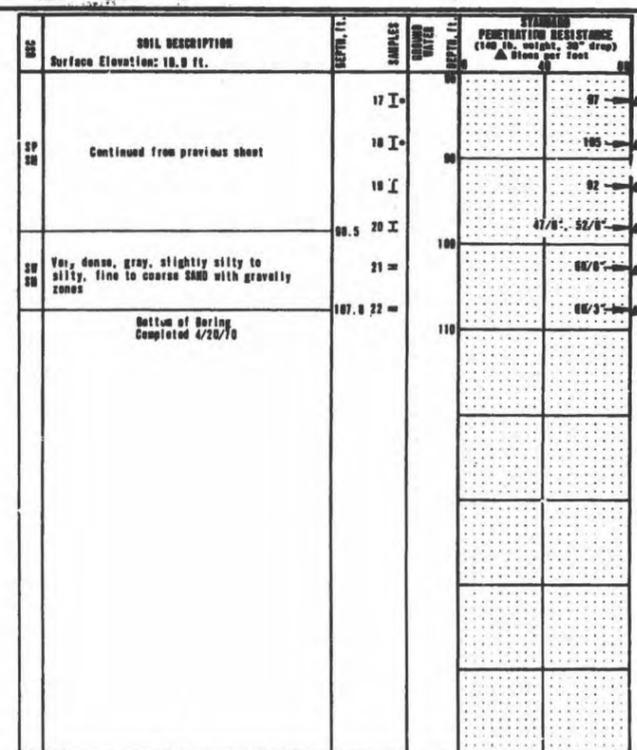
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-421
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

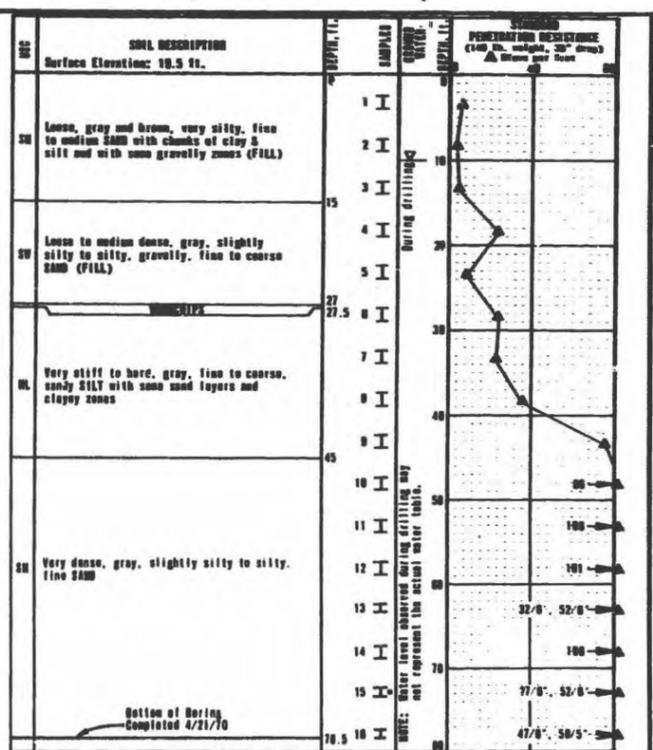
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-422
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

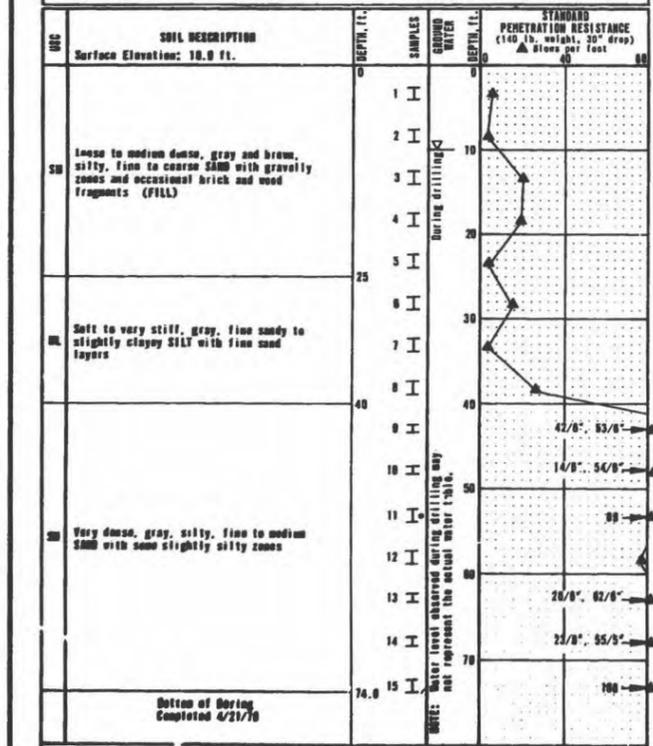
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-422
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

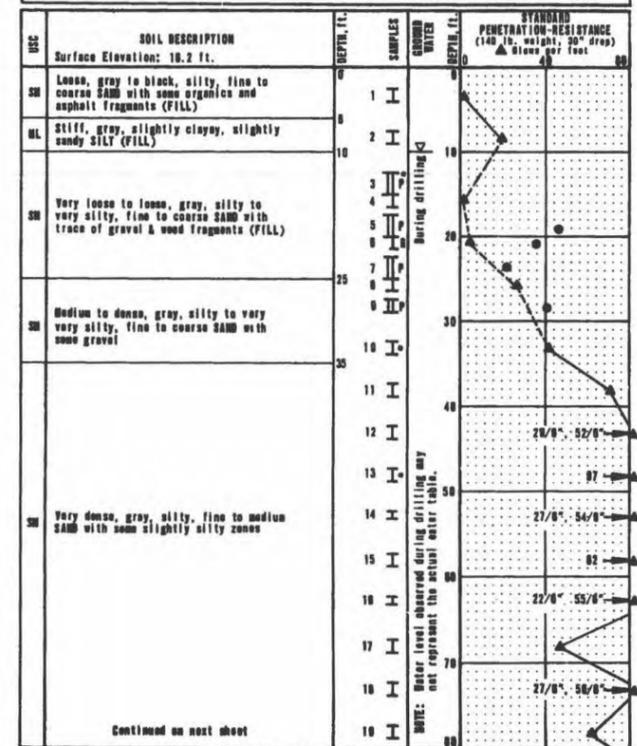
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-423
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

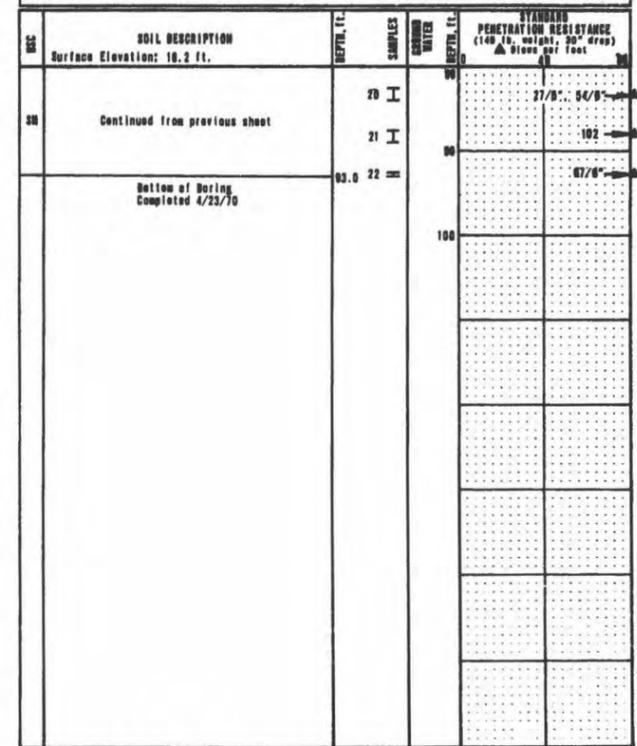
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-424
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

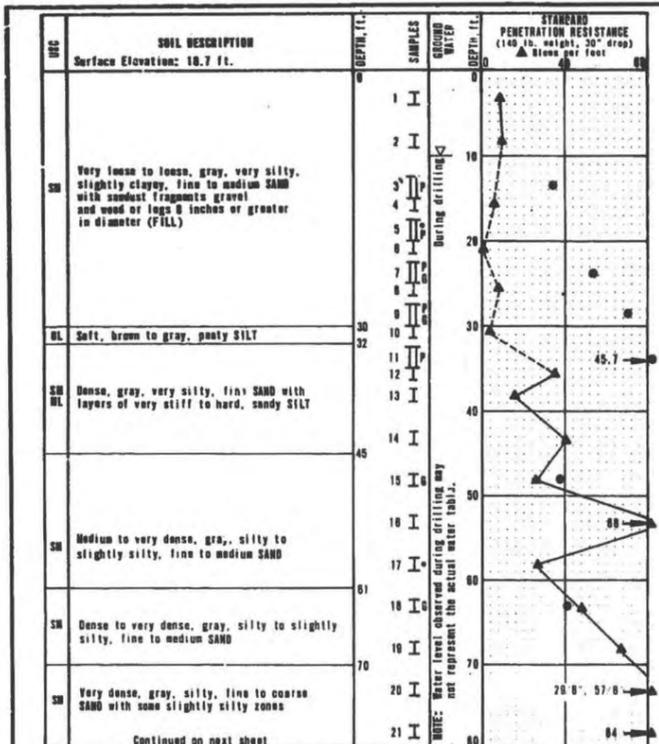
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-425
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



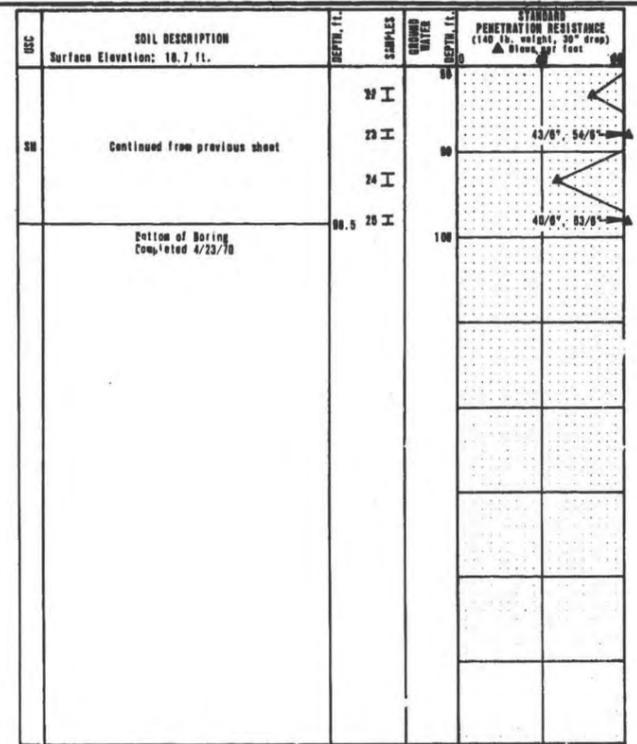
LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

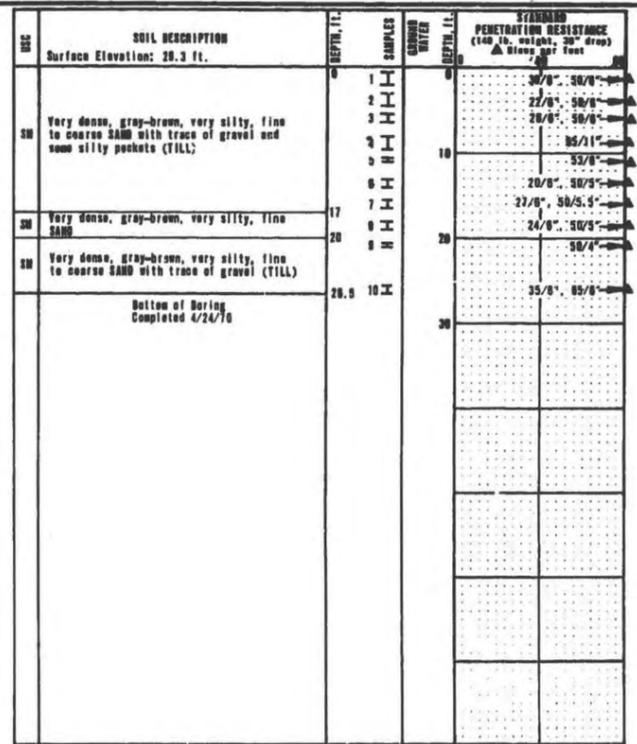
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-425
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



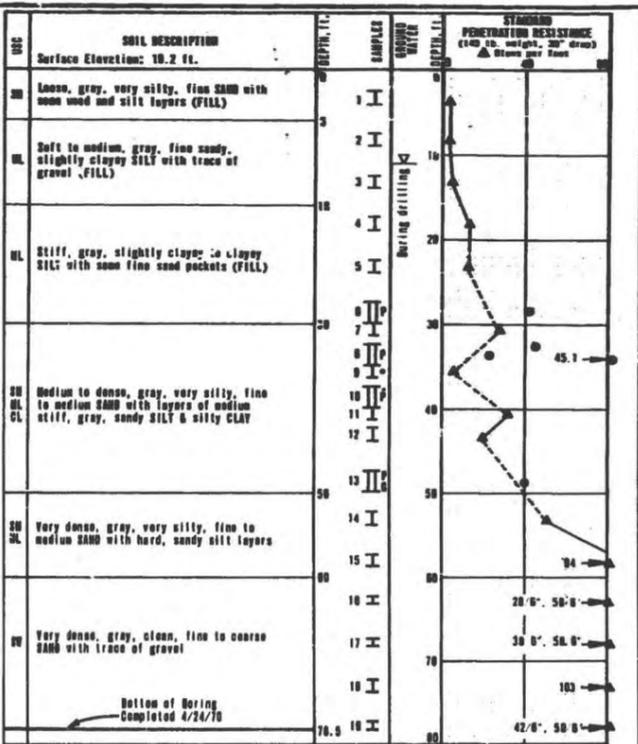
LOG OF BORING NO. B-426
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



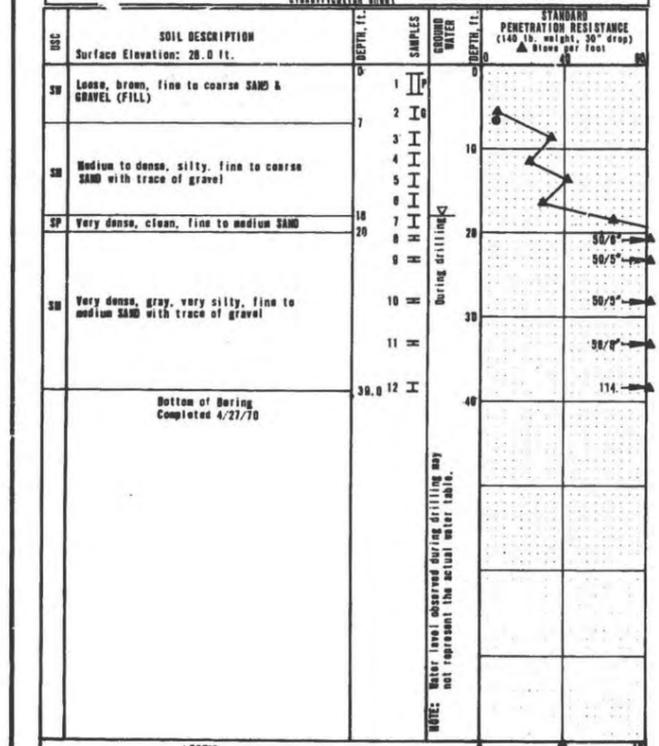
LOG OF BORING NO. B-426
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



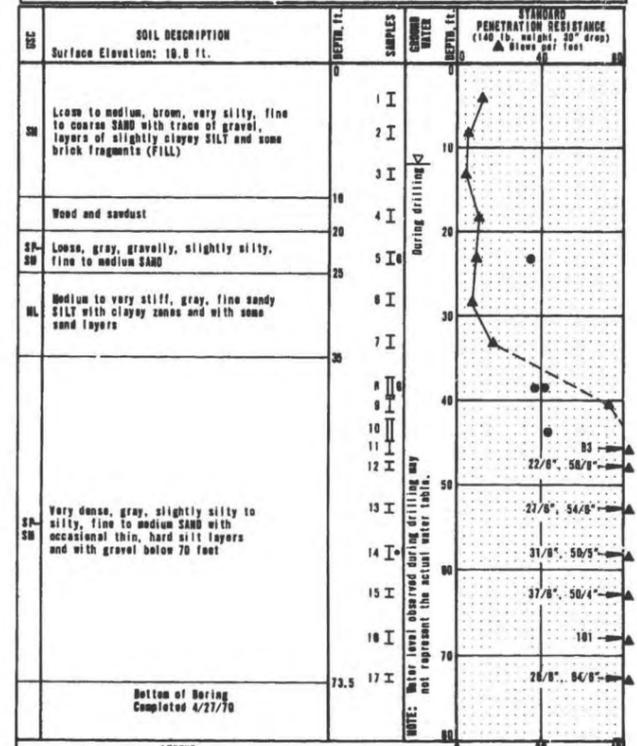
LOG OF BORING NO. B-427
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



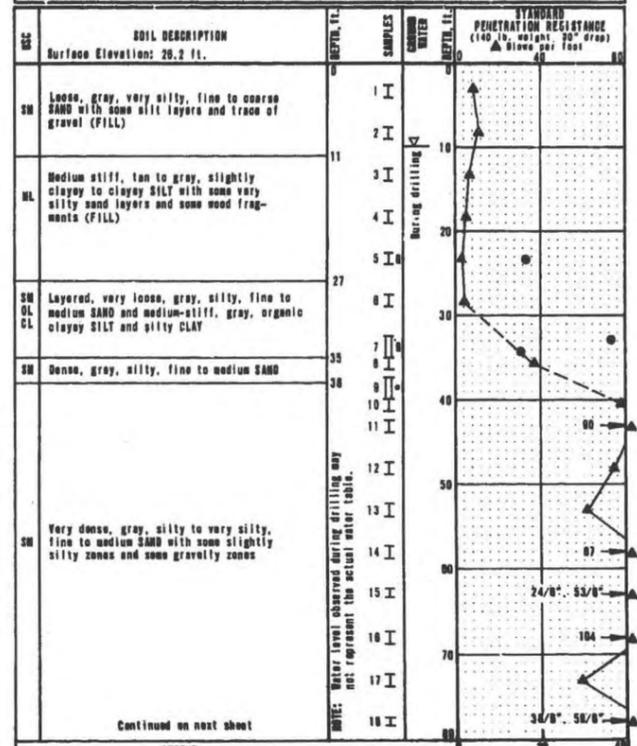
LOG OF BORING NO. B-428
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



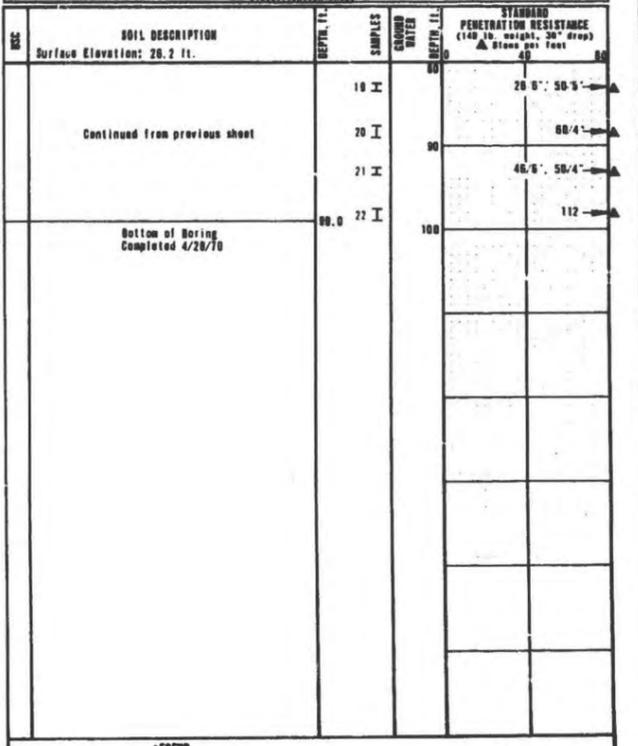
LOG OF BORING NO. B-429
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



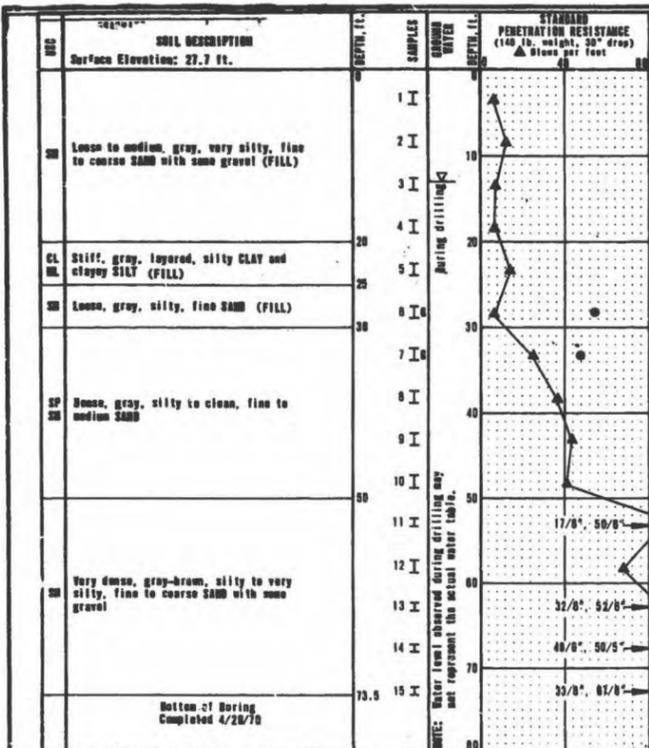
LOG OF BORING NO. B-430
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LOG OF BORING NO. B-431
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



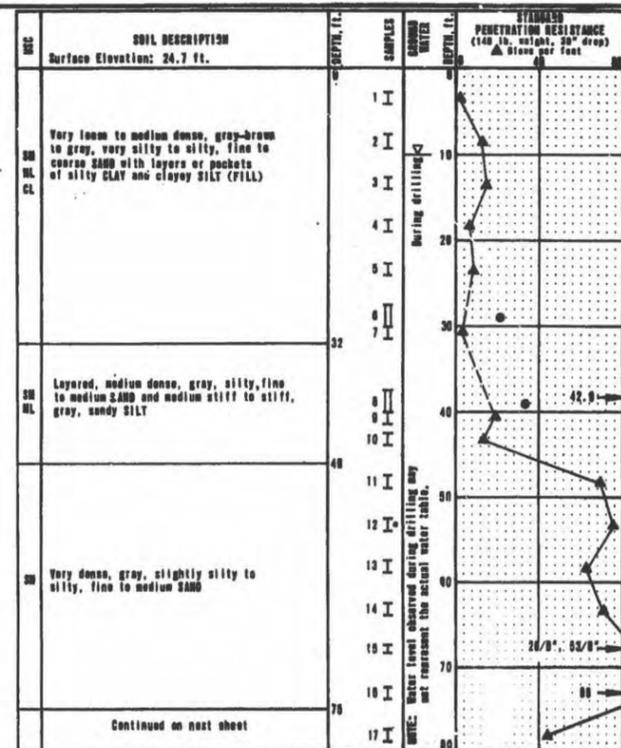
LOG OF BORING NO. B-431
 FEB. 12, 1971 U-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

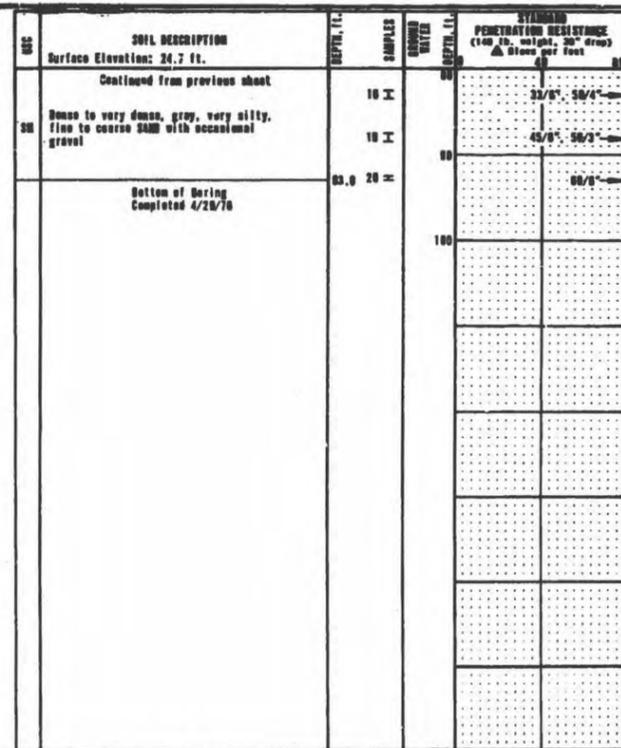
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-432
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

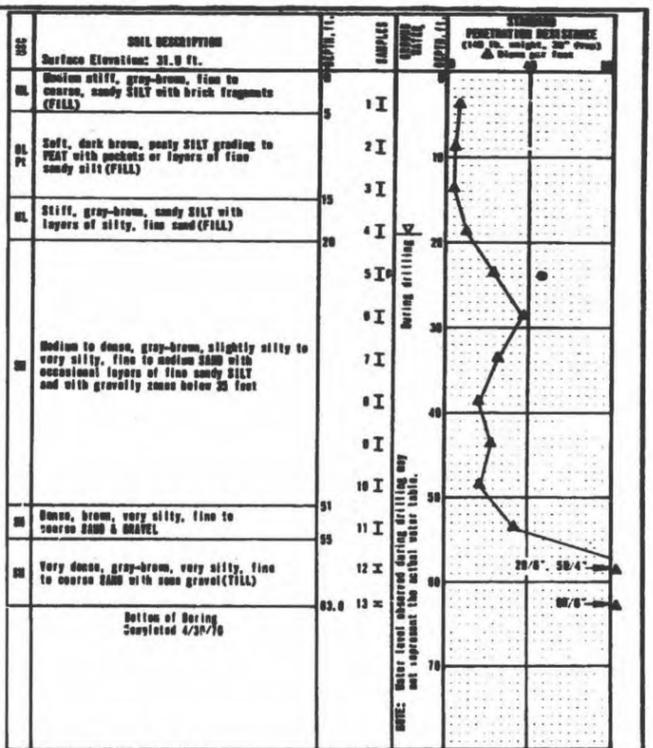
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-433
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

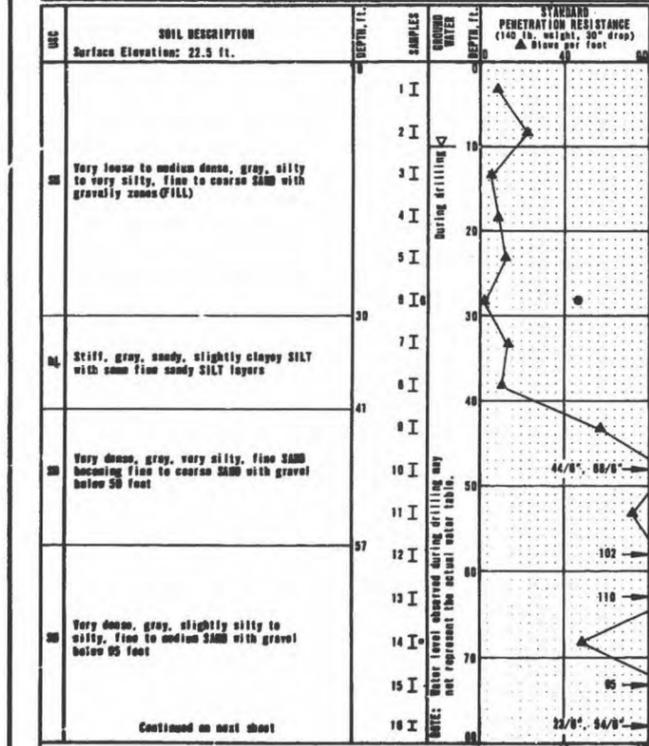
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-434
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

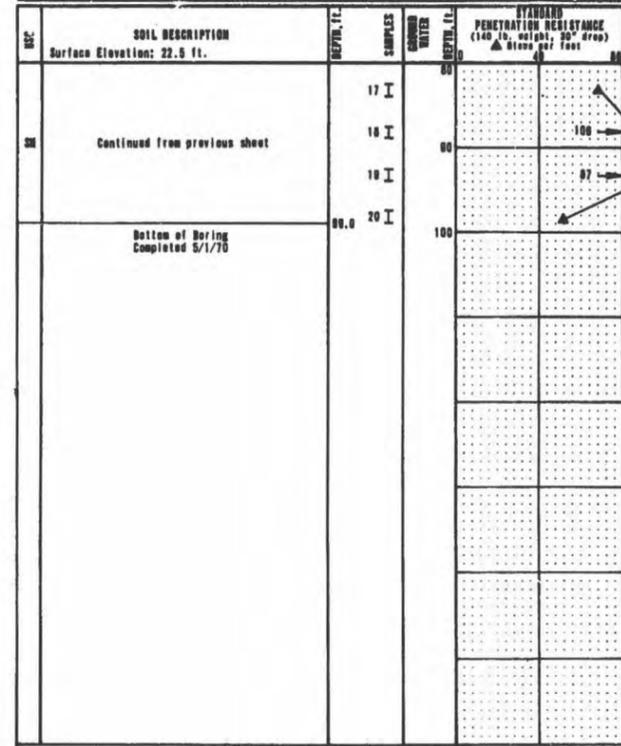
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-435
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

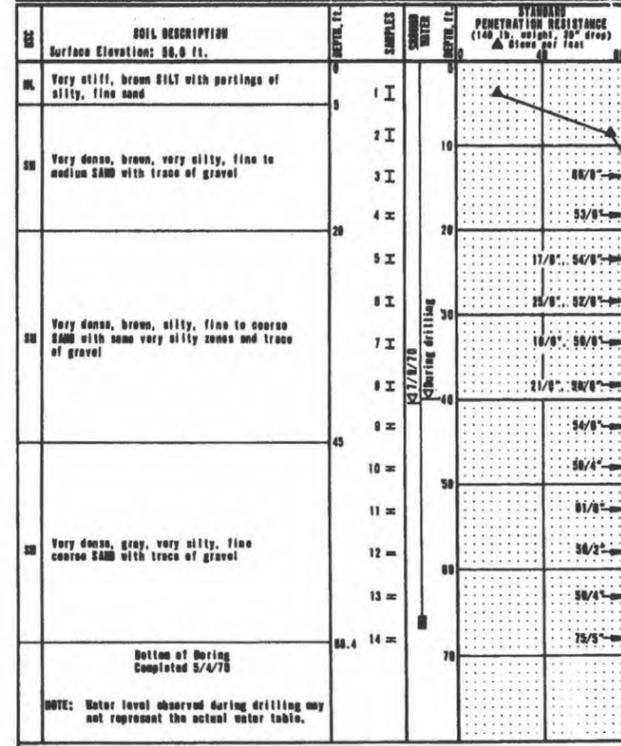
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-436
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

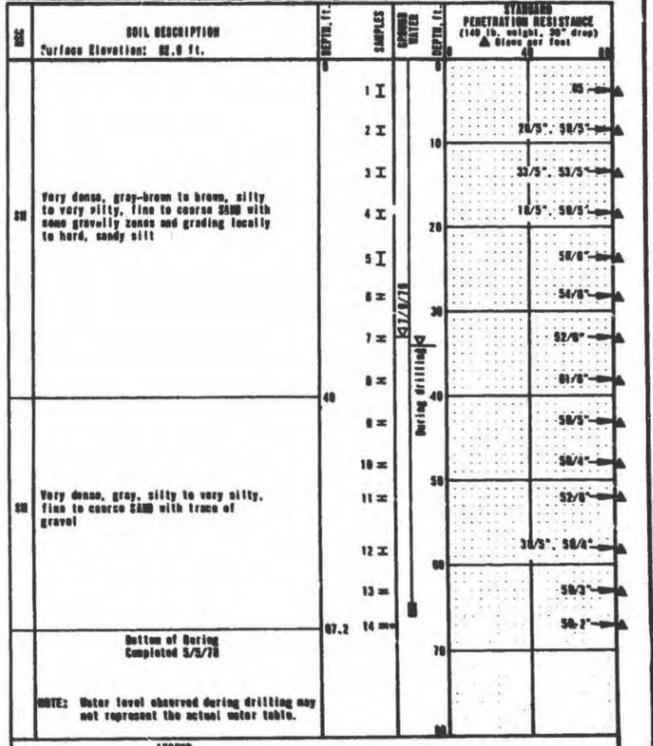
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-437
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

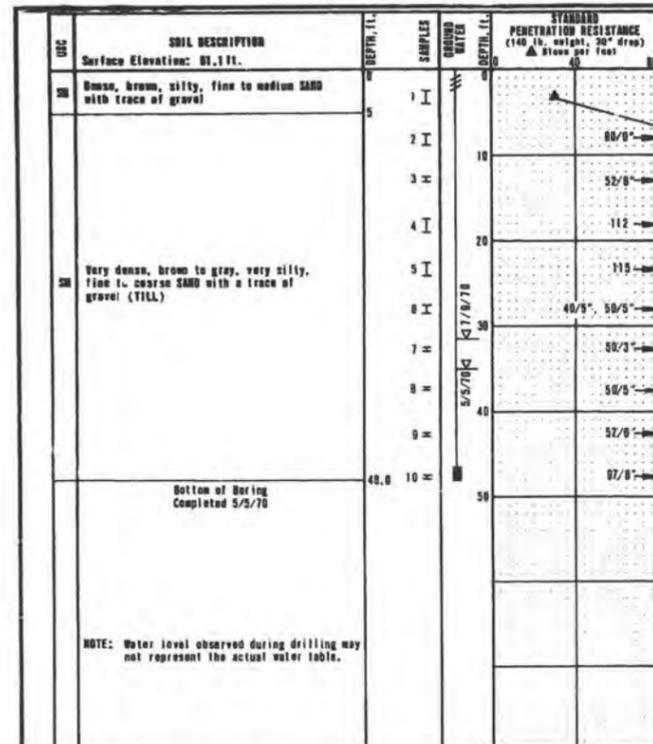
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-438
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits:
 - Liquid limit
 - Plastic limit
 - Natural water content
 - See grain size classification sheet
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- See grain size classification sheet

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-439
 FEB. 12, 1971 9-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

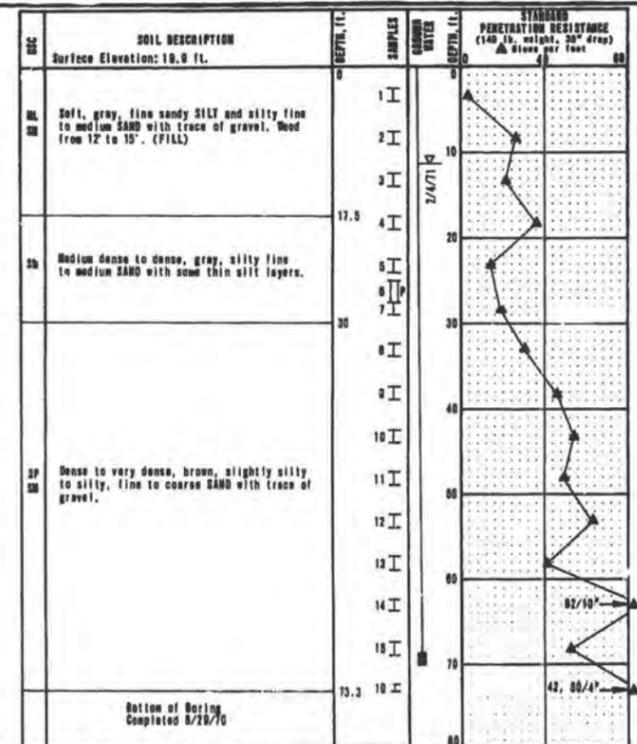


NOTE: Water level observed during drilling may not represent the actual water table.

LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- = Sample not recovered
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- USC Unified Soil Classification
- Water content
- Plastic limit

CITY OF SEATTLE
 BAY FREEMAN
 LOG OF BORING NO. B-438
 FEB. 12, 1971 9-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS





Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete FILL		Concrete surfacing. Boring hand-cleared to 5 feet bgs. Brick and stone debris and concrete blocks with rebar.	
						SM (FILL)		Concrete debris with gravel and silt-sand mixture.	
5				0.0		SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-55-20). Fill material.	
				0.0		SM (FILL)		Wood debris with silty SAND, damp, brown, no solvent or hydrocarbon odor (25-75-0). Driller added water.	
10				0.0		Concrete (FILL)		Concrete debris. Wood debris.	
								No recovery.	
15									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

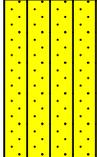
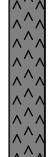
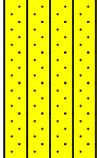
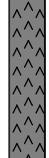
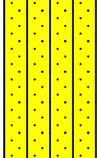


Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15									
			20	0.2		SM		Wet, dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (25-55-20).	
20				0.0		SM		Wet, dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (25-55-20).	
25		10							
30				96.5		SM		Wet, dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (20-65-15). Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

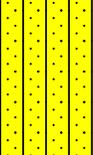
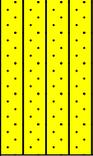
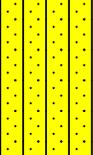


Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				219	B101-30	SM		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (sieve result 37.2/52.4/10.4).	
		100		61		SM		Damp, very dense, silty medium to fine SAND and gravel, brown, no solvent or hydrocarbon odor (sieve result 21.3/70/8.7).	
				93.4	B101-34	SP-SM		Damp, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-70-15).	
35				154		SM		Damp, very dense, silty fine SAND with gravel, gray with brown mottling, no solvent or hydrocarbon odor (20-65-15).	
				121					
		100		127		SM		Damp, very dense, silty fine SAND with gravel, brown with reddish brown mottling, no solvent or hydrocarbon odor (20-70-10).	
				60.9				Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
40				42.1	B101-40			Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
				29.8					
				57.6		SM-ML		Dry, very dense, SILT with fine sand and gravel, trace cobbles present, gray, no solvent or hydrocarbon odor (40-50-10).	
				12.6				Dry, very dense, SILT with fine sand and gravel, trace cobbles, gray, no solvent or hydrocarbon odor (40-45-15).	
45				49.4					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

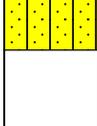


Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				82.3		SM		Damp, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
				56.9	B101-47	SP-SM		Moist, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
		100		53.5		SM		Moist, very dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (sieve result 28.2/56.0/15.3).	
				13.8		SM		Damp, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
50				179		SM		Moist, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
				141		ML		Dry, hard, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (60-25-15).	
				9.43		SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
55				9.10	B101-55	SM			
		100		8.79		SM-ML		Grades to dry to moist, more silt-rich, no solvent or hydrocarbon odor (40-50-10).	
				2.63					
				6.93					
60						SM-ML		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | B101 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				59.5		SM		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (35-45-20).	
				1.3					
		100		4.2		SM		Dry, very dense, silty fine SAND and trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
65				1.74	B101-65				
				7.4		SM		Wet, dense, silty fine SAND and gravel, gray, no solvent or hydrocarbon odor.	
				7.4					
		95		5.4		SM-ML		Damp, very dense, silty fine SAND and trace gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
				2.5		SM		Dry, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
70				0.0		SM		Dry, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
				0.0		SM		Dry, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
		100		0.0		SM		Dry, very dense silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).	
				0.0		SM		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (25-75-0).	
				0.2	B101-75				
75									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.0		SM-ML		Dry, very dense, SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (45-50-5).	
			100	0.0		SM		Moist, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-15).	
				0.0		SM		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
				0.2					
80				0.2	B101-81	SM		Wet, very dense, silty gravelly fine SAND and few cobbles, gray, no solvent or hydrocarbon odor (55-40-5).	
				0.0		SM		Moist, very dense, silty fine SAND and trace cobbles, gray, no solvent or hydrocarbon odor (40-55-5).	
				0.0					
85			100	0.0		SM-ML		Dry, very hard, silty gravelly fine to medium sandy SILT with some gravel, gray, no solvent or hydrocarbon odor (45-35-20).	
				0.0					
				1.1		SM		Damp, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
						SM		Moist, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
90									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

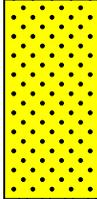
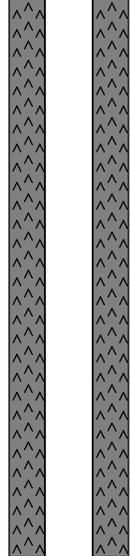
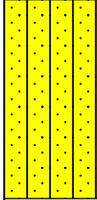
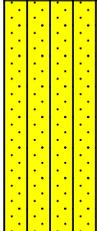
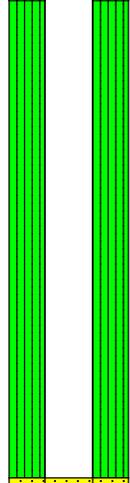
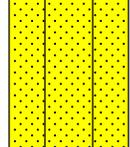


Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.9		SP		Wet, dense, medium to fine SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
				0.1	B101-92				
				0.1		SM		Wet, dense, silty medium SAND, gray, no solvent or hydrocarbon odor (20-80-0).	
				0.1					
95		100	0.0			SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).	
				0.0	B101-97				
				0.0		SM		Damp, very dense silty fine to medium SAND, gray, no solvent or hydrocarbon odor (35-65-0).	
				0.0					
				0.1					
100			0.0			SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (5-90-5).	
				0.0					
				0.0					
				0.0		SP-GP		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (sieve result 8.8/43.5/47.7).	
				0.0	B101-104				
				0.0		SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
105			100						

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.



Project: 700 Dexter Property
Project Number: 0797-001
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Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
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BORING LOG | **B101**
 MW101

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Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0		SM		Damp, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SM		Damp, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
				0.1		SP-SM		Wet, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
110				0.0		SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Wet, dense, coarse to medium SAND and silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
				6.6	B101-114.5	SM		Damp, very dense silt, fine to medium SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
115				0.1		SM		Damp, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
				1.3		SM-ML		Dry, very dense, silty fine SAND with trace gravel, gray (50-45-5).	
				0.4					
				1.3		SM		Moist, very dense, silty coarse SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
120									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
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 Set conductor casing at 40 and 80 feet bgs.

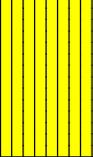
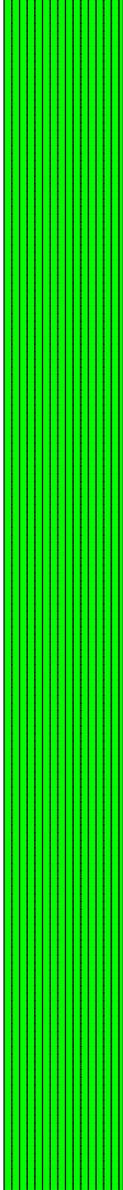
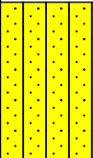


Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
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BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120				0.4	B101-120	ML		Damp, hard, SILT with fine sand with some gravel, weakly cemented, gray, no solvent or hydrocarbon odor (50-35-15).	
				0.4			Sieve result 30.6/30.9/38.5.		
				0.7		SM-GM		Damp, very dense, silty fine to medium SAND with some gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
125			50	1.0			No recovery.		
				2.5	B101-131	SM		Wet, very dense, silty fine SAND with trace gravel, cohesive, gray, no solvent or hydrocarbon odor (40-55-5).	
				1.3		SM-ML		Wet, hard, silty fine SAND with trace gravel, slurry consistency, gray, no solvent or hydrocarbon odor (60-35-5).	
				0.4				Wet, hard, silty fine to medium SAND with some gravel, cohesive material (45-40-15).	
130									
135									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

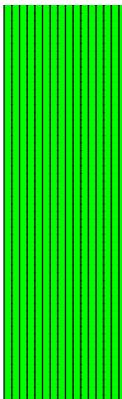


Project: 700 Dexter Property
Project Number: 0797-001
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Surface Conditions: Concrete
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BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
135				0.0		SM-ML		Dry, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.4		SM-ML		Dry, hard, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.1		SM-ML			
140				0.7	B101-140	SM-ML		Dry, hard, SILT with fine sand and gravel, gray no solvent or hydrocarbon odor (40-45-15).	
145								<p>Boring terminated at 140 feet bgs, backfilled with bentonite grout from 140 feet to 116 feet depth. Two-inch-diameter well installed to a depth of 115 feet bgs, screened from 105 to 115 feet bgs, with silica sand from 103 to 116 feet bgs, bentonite seal from 97 to 103 feet bgs, bentonite grout from 2 to 97 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW101.</p> <p>Reconnaissance groundwater samples collected from 5-foot sections of disposable pre-packed well screens set at depths of 75'-80', 95'-100', 115'-120', and 134'-139' depths.</p>	
150									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | B102
MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete		6 inches of concrete surfacing.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel and brick fragments, brown, no solvent or hydrocarbon odor (25-65-10). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (26-65-10). Fill material.	
5						SM (FILL)		Moist, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10). Fill material.	
						SM (FILL)		Moist, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, asphalt and wood debris, brown, no solvent or hydrocarbon odor (20-70-10). Fill material.	
10				0.0		SM (FILL)		Damp, dense, silty fine SAND with gravel, trace asphalt and wood debris, brown, no solvent or hydrocarbon odor (20-70-10). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (20-70-10). Fill material.	
			100	0.0		SP-SM (FILL)		Damp, dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (15-75-10). Fill material.	
15				0.0		SM (FILL)		Damp, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		SM (FILL)		Damp, dense, silty SAND with wood debris, brown, no solvent or hydrocarbon odor (25-75-0).	
				0.0		SM (FILL)		Damp, dense, silty SAND with wood debris, brown, no solvent or hydrocarbon odor (25-75-0).	
				0.0	B102-20	SM		Damp, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (20-75-5).	
20				0.0		SP-SM		Damp, very dense, fine to medium SAND with silt and gravel, grayish brown, no solvent or hydrocarbon odor (15-80-5).	
				0.0		SP-SM		Damp, very dense, fine to medium SAND with silt and gravel, grayish brown, no solvent or hydrocarbon odor (15-80-5).	
		100		0.0		SP-SM		Moist, very dense, fine to medium SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-80-5).	
25				0.0		SM-ML		Wet, very dense fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	
				0.0	B102-30	SM-ML		Wet, very dense, fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	
30									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0		SP		Damp, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (5-90-5).	
				0.0		SP		Damp, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (5-85-10).	
				0.0		SP		Wet, very dense, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (5-75-20).	
35			100	0.0		SP		Wet, very dense, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (5-75-20).	
				0.0	B102-38	SP		Wet, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (10-80-10).	
						SM-ML		Moist, hard, fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	
40				1.1	B102-40	SM-ML		Damp, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (50-50-0).	
				0.6		SM-ML		Damp, hard, fine sandy SILT with gravel, cohesive, gray (40-50-10).	
				34.9					
				51.0		SM		Damp, very dense, silty fine SAND with gravel, cohesive, gray (40-50-10).	
45									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45						SM-ML		Moist, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (50-50-0).	
				147.5		SP-SM		Moist, very dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				202					
				39.8	B102-49	SM-ML		Damp, very dense, silty fine SAND with gravel, cohesive, gray (40-50-10).	
50				42.9		SM-ML		Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-50-10).	
			100	14.2		SM-ML		Dry, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-45-15).	
				73.7		SM-ML		Dry, very dense, silty fine SAND, gray no solvent or hydrocarbon odor (40-45-15).	
55						SM-ML		Dry, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-50-10).	
			100			SP-SM		Damp, very dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
60					B102-60	SP-SM		Damp, very dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				134.7		SP-SM		Damp, very dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				116.0		SM-ML		Damp, very dense, silty fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (45-50-5).	
65			100	43.0		SM-ML		Damp, very dense, silty fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (45-50-5).	
				54.6		SM-ML		Damp, very dense, silty fine SAND, gray no solvent or hydrocarbon odor (50-50-0).	
70				42.0	B102-70	SM-ML		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (50-50-0).	
				24.9		SM-ML		Dry, very dense, silty fine SAND and gravel, gray, no solvent or hydrocarbon odor (45-50-5).	
						SM-ML		Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
75						SM-ML		Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.0		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
			100	0.0		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
				1.5		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
80				0.4	B102-80	SM-ML		Dry, very dense, SILT with fine sand, gray no solvent or hydrocarbon odor (50-50-0).	
				0.4		SM-ML		Dry, very dense, SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
				0.6		ML		Moist, very dense, SILT with fine sand, cohesive, gray, no solvent or hydrocarbon odor (60-35-5).	
85			100	0.6		SM-ML		Moist, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
				0.4		SM-ML		Moist, hard fine sandy SILT, gray, no solvent or hydrocarbon odor (60-40-0).	
				0.6		SM-ML		Moist, hard, fine sandy SILT, cohesive, gray, no solvent or hydrocarbon odor (60-40-0).	
90					B102-90				

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90			25	0.2		ML		Moist, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (55-40-5). Sampler plugged with a large rock; no recovery 92.5 to 100 feet bgs. No recovery. Material returned from approximately 95 to 100 feet bgs from previously stuck/dropped sampler: wet, medium to coarse, sand with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
95			25			SP-SM			
100				0.9	B102-100	SP-SM		Moist, medium to coarse SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
105				1.1		SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
						SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105			100	0.9	B102-110	SP-SM		Wet, coarse to medium SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).	
				0.7		SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray no solvent or hydrocarbon odor (15-80-5).	
				0.7		SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (15-80-5). Siltier zones present (3 inches thick or less): wet, silty coarse to medium sand with gravel, gray, no solvent or hydrocarbon odor (20-75-5).	
110			50	1.6	B102-120	SP-SM		Wet, dense, coarse to medium SAND with silt, gray, no solvent or hydrocarbon odor (15-80-5).	
				1.6		SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
115			100	0.4		SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.4		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
				0.2		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
				0.2		SP-SM		Wet, dense, medium to coarse SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-75-15).	
120						SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-70-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120			100	0.4		SW-GW		Wet, dense, GRAVEL with sand and silt, gray, no solvent or hydrocarbon odor (10-55-35).	
			100	0.7		SM-GM		Damp, very dense, gravelly silty SAND, gray, no solvent or hydrocarbon odor (25-30-45).	
			100	0.4		SW-GW		Wet, dense, gravelly SAND with silt, gray, no solvent or hydrocarbon odor.	
				0.4		SW-GW		Wet, dense, gravelly SAND with silt, gray, no solvent or hydrocarbon odor (10-50-40).	
125								Boring terminated at 125 feet bgs. Two-inch-diameter well installed to a depth of 125 feet bgs, screened from 115 to 125 feet bgs, with silica sand from 113 to 125 feet bgs, bentonite seal from 103 to 113 feet bgs, bentonite grout from 5 to 103 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW102.	
130									
135									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | B103
MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0				0.6		Concrete		2 inches of concrete.	
			50	0.2		SM (FILL)		Damp, dense, silty SAND with gravel and wood debris, dark gray (30-60-10). Fill material.	
				0.0		FILL		Wood debris.	
						SM (FILL)		No recovery.	
5				0.0		SM (FILL)		Damp, dense, silty SAND with gravel and brick, metal, porcelain, and wood debris, dark brown to dark gray (30-60-10). Fill material.	
			100	0.2		SM (FILL)		Damp, dense, silty SAND with gravel and brick, metal, porcelain, and wood debris, dark brown to dark gray. No solvent or hydrocarbon odor (30-60-10). Fill material.	
				0.2		SM (FILL)		Damp, dense, silty SAND with gravel, wood and metal debris, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
10				0.0	B103-10	SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
				0.4		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
			100	0.7		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
				0.4		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
15				0.4		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				1.1		SP		Damp, dense, fine to medium SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
			100	3.9					
				5.6	B103-18	SM		Moist, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (15-65-20).	
				4.9		SM		Wet, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (15-65-20).	
20				4.9		SM		Moist, dense, silty SAND with gravel, gray, slight hydrocarbon odor (15-65-20).	
			100	3.3					
				0.7		SM		Moist, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-60-5).	
				0.4					
25				0.0		SM		Wet, dense, silty SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
			100	0.0		SM		Wet, dense, silty SAND, gray, no solvent of hydrocarbon odor (30-70-0).	
				0.0		SM-ML		Wet, loose, silt with fine SAND, gray, no solvent or hydrocarbon odor (55-45-0).	
				0.0		SM-ML		Wet, loose, silt with fine SAND, gray, no solvent or hydrocarbon odor (55-45-0).	
30									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | B103 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B103-30	SM		Wet, loose, silty fine SAND with gravel and wood debris, gray, no solvent or hydrocarbon odor (25-60-15).	
			100	0.0		SM		Wet, loose, silty fine SAND with grave and wood debris, gray, no solvent or hydrocarbon odor (25-60-15).	
35				0.0		SP-SM		Wet, loose, fine to medium SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, loose, fine to medium SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.4		SP-SM		Wet, loose, fine to medium SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
40				0.0	B103-40	SP-SM		Moist, loose, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				6.1		SP-SM		Moist, loose, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
			100	9.2		SP-SM		Moist, loose, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				5.6		SP-SM		Moist, loose, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
45				14.4		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45					B103-45	SM-ML		Damp, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
			100	3.6					
				4.6					
				2.1					
				0.7		SM-ML		Damp, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
50						SM-ML		Damp, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.0					
			100	2.6					
				0.0		SM-ML		Dry, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
55					B103-55	SM-ML		Dry, very dense, SILT with fine sand with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.5		SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
			100	0.2		SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
				0.0					
				0.2		SM-ML		Moist, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
60									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				0.0	B103-62.5	GM		Damp, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
				0.0		GM		Damp, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
			100	0.0		SM-ML		Damp, very dense, fine sandy SILT with gravel, dark gray, no solvent or hydrocarbon odor (45-45-10).	
				0.0		SM-ML		Dry, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
65				0.0		SM-ML		Moist, very dense, fine sandy SILT with gravel, dark gray, no solvent or hydrocarbon odor (40-40-20).	
			100	0.0		SM-ML			
				0.0		SM-ML		Moist, very dense, fine sandy SILT to fine SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-40-20).	
70				0.0		GM		Damp, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
				0.0	SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).		
				0.0	SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).		
75				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75					B103-75	GM		Moist, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
			100	0.0		GM		Dry, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
				0.0		GM		Moist, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
80				0.0		SM		Moist, very dense, silty medium to fine SAND with gravel, brown, no solvent or hydrocarbon odor (20-55-25).	
			100	0.0		SM			
				1.0	B103-83	SM		Moist, very dense, silty medium SAND with trace gravel, brown, no solvent or hydrocarbon odor (15-80-5).	
				0.0		SM			
85				0.0		SP-SM		Wet, dense, medium to coarse SAND with little silt, brown, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SM			
				0.7		SM		Moist, very dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20).	
				0.2					
90									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.0		SM		Damp, very dense, silty medium SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
			100	0.0		SM		Moist, very dense, silty, medium to fine SAND, dark gray, no solvent or hydrocarbon odor (20-80-0).	
				0.0	B103-95	SM		Moist, very dense, silty medium to fine SAND, dark gray, no odor (20-80-0).	
95				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-75-15).	
				0.2		SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
				0.0		SP-SM		Wet, dense, medium SAND with coarse to fine sand and silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			100	0.2		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
100				0.5		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
105				0.0		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray (10-80-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0	B103-105	SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0		SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-75-15).	
110			100	0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0	B103-113	SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-50-25).	
115								Boring terminated at 115 feet bgs. Two-inch-diameter well installed to a depth of 114 feet bgs, screened from 103.5 to 114 feet bgs, with sand from 101.5 to 115 feet bgs, bentonite seal from 91.5 to 101.5, bentonite grout from 5 to 91.5 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW103.	
120									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete		9 inches of concrete surfacing. Boring cleared with vector truck to a depth of 9 feet bgs.	
10				0.0	B104-10	SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-65-20).	
			100	0.0		SM		Damp, dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (15-65-20).	
15				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		MH		Wet, soft, silty CLAY with sand and gravel and wood debris, consistency of wet grout, brownish gray, no solvent or hydrocarbon odor (60-20-20).	
			100	0.0		MH		Wet, soft, silty CLAY with sand and gravel and wood debris, consistency of wet grout, brownish gray, no solvent or hydrocarbon odor (60-20-20).	
				0.0					
20				0.0	B104-20	MH		Wet, soft, silty CLAY with sand and gravel, consistency of wet grout, gray, no solvent or hydrocarbon odor (60-20-20).	
				0.0		MH		Wet, soft, silty CLAY with sand and gravel, consistency of wet grout, gray, no solvent or hydrocarbon odor (60-30-10).	
				0.0					
				0.0		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
25				0.0		SM		Wet, loose, silty fine SAND with clay and gravel and wood debris, gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0					
				0.0					
				0.0		SM		Wet, loose, silty medium SAND with gravel, brown, no solvent or hydrocarbon odor (20-60-20).	
				0.0					
30									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B104-30	SM		Wet, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (20-65-15).	
				0.5		SM		Moist, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (20-70-10).	
				28.0		SM		Moist, dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
35				37.5		SM		Damp, dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
			100	3.6	B104-36	SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-40-20).	
				0.0		SM-ML			
				0.2		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-40-20).	
40				0.5		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-45-15).	
				0.8		SM-ML			
			100	0.8		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no odor (40-40-20).	
				1.4		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-40-20).	
45									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				1.1		SM-ML		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-45-15).	
				0.8					
				0.8		SM-ML		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
				0.5		SM-ML		Dry, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-40-20).	
50				0.3	B104-50	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.6		SM		Moist to wet, dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-65-5).	
				0.3					
				0.0		SM		Damp, silty, fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
55				2.1		SM		Wet, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
				2.1					
			100	0.9		SM		Wet, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
				2.7		SM-ML		Wet, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (45-50-5).	
60					B104-60				

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60			100	2.1		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-55-5).	
				1.8					
				0.6					
				0.6		SM-ML		Dry, very dense, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-45-5).	
65			100	0.6					
				0.6		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-55-5).	
				0.9	B104-69				
				1.3					
70				0.6		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-50-10).	
				0.0					
				0.9		SM-ML		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-50-5).	
				0.9					
75									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75			100	0.3	B104-80	SM-ML		Dry, very dense, silty SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
				0.3		SM		Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
			0.0	SM				Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
80			0.0				SM		
			100	0.0			SM-ML		
			0.0	SM-ML				Wet, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
			0.0			SM			
				0.3		SM-ML		Dry, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
85			0.6	SM-ML					
			0.9				SM-ML		
			100	0.9	SM		Dry, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).		
			0.9	SM					
90				0.9	B104-90	SM		Dry, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.9		SM		Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
			100	1.2		SM		Damp, very dense, silty medium to fine SAND with gravel, cohesive, dark gray (30-60-10).	
				0.0		SM		Damp, very dense, silty medium to fine SAND with trace gravel, dark gray, no solvent or hydrocarbon odor (30-65-5).	
				0.6		SM		Damp, very dense, silty medium to fine SAND, cohesive, dark gray (30-70-0).	
95				0.0		SM		Wet, dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-15).	
			100	0.0		SM		Wet, dense, silty medium to fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Wet, dense, silty coarse to fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-60-10).	
				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0	B104-100	SM		Moist, dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (30-65-5).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			100	0.3		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.3		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
105									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-75-15).	
						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
125						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
						ML		Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-25-25).	
130					B104-130	ML		Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-25-25).	
135								<p>Boring terminated at 130 feet bgs. Two-inch diameter well installed to a depth of 129 feet bgs, screened from 119 to 129 feet bgs, with silica sand from 117 to 130 feet bgs, bentonite seal from 107 to 117 feet bgs, bentonite grout from 5 to 107 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW104.</p>	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete		Concrete and brick surfacing.	
			80			SM (FILL)		Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15).	
5						SM (FILL)		Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15).	
				0.1		SM (FILL)		Damp, dense, silty SAND with gravel, asphalt debris, black, no solvent or hydrocarbon odor (25-60-15). Fill material.	
				0.0		SM (FILL)		Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-70-5).	
			100			SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material.	
				0.1		SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material.	
10				0.0	B105-10	SM (FILL)		Damp, dense, SILT with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Fill material.	
				0		SM (FILL)		Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Brick.	
			100	0.0		SM (FILL)			
				0.0		SM-SP (FILL)		Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material.	
15				0.0		SM-SP (FILL)		Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material.	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		SM		Damp, dense, silty SAND with gravel, trace cobbles, brown, no solvent or hydrocarbon odor (25-65-10).	
			100	0.0		SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM-SP		Damp, dense, medium fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-70-15).	
				0.0		SM-SP		Damp, dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-70-15).	
20				0.0	B105-20	SM		Wet, loose, silty SAND with gravel, grayish brown, no solvent or hydrocarbon odor (20-70-10).	
			100	0.0		SM		Wet, loose, silty SAND with gravel, grayish brown, no solvent or hydrocarbon odor (20-70-10).	
				0.0		SP-SM		Moist, loose, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Moist, loose, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (10-80-10).	
25				0.1		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (25-60-15).	
			100	1.1		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (25-60-15).	
				1.1		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (35-45-20).	
30				2.7		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (35-45-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8.6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B105-30	SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
			100	0.5		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
				0.1		SM		Moist, very loose, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (30-55-15).	
				1.2		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
35				0.0		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-75-5).	
			50	0.0		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
40				0.0	B105-40	SM		Moist, very dense, silty SAND with gravel and cobbles, gray, no solvent or hydrocarbon odor (35-60-5).	
				0.0		SM		Moist, very dense, silty SAND with gravel and cobbles, gray, no solvent or hydrocarbon odor (35-60-5).	
			50	2.2				No recovery.	
45									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				0.0		SM-ML		Moist, very dense, silty SAND with gravel, gray, cobbles, no solvent or hydrocarbon odor (40-40-20).	
			90	0.0		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (20-60-20).	
				0.0		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (20-60-20).	
50				0.0	B105-50	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
			50	0.3		SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
								No recovery.	
55				0.3		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	
			100	0.7		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	
				0.7		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	
60				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				0.3	B105-60	SP		Damp, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (5-90-5).	
			100	0.3		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (35-50-15).	
				0.3		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (55-35-10).	
				0.3		ML		Dry, hard, SILT with fine sand and gravel, cohesive, very gray, no solvent or hydrocarbon odor (55-35-10).	
65				0.0		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
			100	0.0		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
				0.0		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
				0.0		GM		Damp, very dense, silty GRAVEL with sand, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
70				0.0		GM		Damp, very dense, silty gravelly SAND, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
			--	0.0		GM		Damp, very dense, silty gravelly SAND, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
75				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.3		SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
			100	0.3		SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
				0.3		SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
				0.3	B105-80	SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
80								Bentonite plug.	
			50	0.1		SM		Damp, very dense, silty SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.1					
85				0.0		GM		Wet, very dense, gravelly, silty SAND, gray, no solvent or hydrocarbon odor (35-30-40).	
			100	0.0		GM			
				0.0					
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-45-20).	
90									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | B105
MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.0	B105-90	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-30-40).	
			100	0.0		GM		Wet, very dark, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-30-40).	
				0.0		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Moist, very dense, silty medium to fine SAND and gravel, dark gray, no solvent or hydrocarbon odor (20-75-5).	
95				0.0		SP-SM		Wet, loose, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
			100	0.0					
				0.0					
				0.0					
100				0.0	B105-100	SP-SM		Wet, loose, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0).	
				0.0					
			100	0.0		SP-SM		Wet, loose, fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0					
				0.0					
105				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:

 Page: 7 of 10



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				105.5		SP-SM		Wet, loose, fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
110				0.0	B105-110	SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30).	
			100			SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30).	
						SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30).	
115						SP-SM		Wet, loose, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			--						
120									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120				0.0	B105-120	SP-SM		Wet, loose, coarse to medium SAND with gravel, dark gray, no solvent or hydrocarbon odor (10-65-25).	
			100	0.0		SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (20-55-25).	
				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (20-55-25).	
125					B105-130	SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
			--			SP-SM		Wet, very dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-60-30).	
						SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
						SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
						SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
130				0.0	B105-130	SP-SM		We, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			100	0.0		SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
135			100	0.0	B105-138	SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray no solvent or hydrocarbon odor (10-70-20).	
			0.0	SP-SM			Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-70-20).		
			0.0	ML			Dry, hard, SILT with fine sand and gravel, brown, no solvent or hydrocarbon odor (70-20-5).		
			0.0	ML			Dry, hard, SILT with fine sand, brown, no solvent or hydrocarbon odor (70-30-0).		
140								Boring terminated at 140 feet bgs, backfilled with bentonite grout from 2 feet to 128 feet depth. Two-inch-diameter well installed to a depth of 140 feet bgs, screened from 130 to 140 feet bgs, with silica sand from 128 to 140 feet bgs, bentonite seal from 118 to 128 feet bgs, bentonite grout from 2 to 118 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW105	
145									
150									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt		4"-thick asphalt surfacing. Boring hand-cleared to 5 feet bgs.	
5				0.1		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				0.5		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
		100		0.5		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				1.3		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
10				0.1	B106-10	SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				0.1		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
			100	0.1		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				0.1		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
15				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
			100	0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
20				0.0	B106-20	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
			100	0.0		SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-65-10).	
25				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
30				0.0		SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B106-30	SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
			100	0.0		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
35				10.4		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			--	4.9		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				1.3		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
40				0.5	B106-40	SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SM-ML		Dry, hard, fine sandy SILT with gravel, gray cohesive, no solvent or hydrocarbon odor (50-35-15).	
			--	0.5		SP-SM		Damp, dense, fine to medium SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SP-SM		Damp, dense, fine to medium SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
45				0.5		SP-SM		Damp, dense, fine to medium SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				0.5		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
			100	0.5		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				1.3		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				0.1		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
50				0.5	B106-50	SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
			100	0.1		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
55				0.0		SM		Damp, very dense, silty SAND with gravel and cobbles, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.1		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
60				0.1		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				0.0	B106-60	SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon (35-55-10).	
			100	0.0		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
65				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
			100	0.0		SM		Dry, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Dry, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-50-15).	
70				0.0	B106-70	SM		Damp, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0		ML		Damp, hard, fine sandy SILT, weak lamination, cohesive gray, no solvent or hydrocarbon odor (60-40-0).	
				0.0		ML		Dry, hard, fine sandy SILT, weak lamination, cohesive gray, no solvent or hydrocarbon odor (60-40-0).	
75				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8.6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
			100	0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
80				0.0	B106-80	SM-GM		Damp, very dense, gravelly silty SAND, dark gray, no solvent or hydrocarbon odor (30-30-40).	
				0.0		SM-GM		Damp, very dense, gravelly silty SAND, dark gray, no solvent or hydrocarbon odor (30-30-40).	
			100	0.0		SM-ML		Damp, very dense, silty SAND, dark gray, no solvent or hydrocarbon odor (35-40-25).	
				0.3		SM-ML		Damp, very dense, silty SAND, dark gray, no solvent or hydrocarbon odor (35-40-25).	
85				0.0		SM		Moist, very dense, silty SAND, dark gray cohesive, no solvent or hydrocarbon odor (30-70-0).	
				0.0		SM		Moist, very dense, silty SAND, dark gray cohesive, no solvent or hydrocarbon odor (30-70-0).	
			100	0.0		SP-SM		Moist, very dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (15-75-10).	
				0.0		SP-SM		Moist, very dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (15-75-10).	
90				0.0		SP-SM		Moist, very dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (15-75-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.0	B106-90	SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
95				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
100				0.0	B106-100	SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
			100	0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
105				0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
			100	0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-90-0).	
110				0.0	B106-110	SP-SM		Wet, dense, coarse to medum SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, coarse to medum SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medum to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, medum to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
115				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, fine to medium SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-87-03).	
120				0.0		SP-SM		Wet, dense, fine to medium SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-87-03).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8.6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120			100	0.0	B106-120	SP-SM		Wet, dense, medium SAND gravel with silt, dark gray, no solvent or hydrocarbon odor (10-70-10).	
			100	0.0		SP-SM		Wet, dense, coarse, medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-50-10).	
			100	0.0		SP-SM		Wet, dense, medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
125			100	0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP		Wet, dense, gravelly, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (5-60-35).	
			100	0.0		SP		Wet, dense, gravelly, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (5-60-35).	
130			100	0.0	B106-130	GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
			100	0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
			100	0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
			100	0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
135			100	0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
135					B106-140	SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				SP-SM			Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).		
				SP-SM			Wet, dense, medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).		
140				SP-SM			Wet, dense, medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).		
140								Boring terminated at 140 feet bgs, backfilled with bentonite grout from 2 feet to 118 feet depth. Two-inch diameter well installed to a depth of 140 feet bgs, screened from 130 to 140 feet bgs, with silica sand from 128 to 140 feet bgs, bentonite seal from 118 to 128 feet bgs, bentonite grout from 2 to 118 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW106	
145									
150									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								4" Concrete surfacing.	
5	2 1 1		20	1.5	B107-05	SP-SM (FILL)		Damp, very loose, medium to fine SAND with gravel and fill debris, brown, no solvent or hydrocarbon odor (10-80-10) (FILL).	
10	35 8 7		100	0.0		MH		Damp, stiff, SILT with fine sand and gravel, light brown, no solvent or hydrocarbon odor (60-30-10).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	7	7	100	1.5	B107-15	MH		Moist, stiff, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (60-30-10).	
	7					SM-MH		Damp, medium dense, silty SAND with gravel, wood waste, and rootlets, slightly plastic, shoreline sediments, dark brown, no solvent or hydrocarbon odor (45-45-10).	
	7								
20	10	10	100	2.0		SM		Damp, medium dense, silty fine to medium SAND, gray, no solvent or hydrocarbon odor (35-65-0).	
	10								
	15								
25	7	7	100	3.6	B107-25	SP-SM		Wet, medium dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-75-10).	
	8								
	9								
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	20-25		90	22.0		SM		Wet, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
35	50/6"		33	82.1	B107-35	SM		Wet, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
40	50/6"		33	20.2		SM		Wet, very dense, silty medium to fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (25-65-10).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6"	33	2.5	B107-45	SM		Damp, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (30-65-5). Boring terminated at 45.5 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 40 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW107.	
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | B108 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
								Cleared borehole with a vector truck to a depth of 9 feet below ground surface.	
10	5-8	5	50	3.4		SM (FILL)		Damp, medium dense, silty SAND with Fill debris, black, no solvent or hydrocarbon odor. (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | B108 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3-5		60	2.1	B108-15	SM		Wet, loose, silty SAND with gravel and wood waste, dark gray, no solvent or hydrocarbon odor (35-55-10) (FILL).	
20	4-5		80	0.3		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
25	7-9		80	0.3	B108-25	SM-ML		Moist, medium dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | B108 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12-14-17		100	0.0		SM		Wet, dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-60-0). Lacostrine sediments.	
	17-20-23		100	0.3		SM		Wet, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (40-60-0). Lacostrine sediments.	
35	50/6"		100	0.0	B108-35	MH		Wet, very dense, SILT with fine sand, plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
	20-50/6"		90	0.0		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
40	16-50/6"		50	0.9		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	50/6"		40	0.3		SM		Wet, very dense, silty SAND, brown, no solvent or hydrocarbon odor (40-60-0).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | **B108**
 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	50	50	0.0	B108-45	SM		Wet, very dense, silty SAND, brown, no solvent or hydrocarbon odor (40-60-0).	
	50/6"	50	50	0.0		SM		Wet, very dense, silty SAND, brown, no solvent or hydrocarbon odor (40-60-0).	
50	50/6"	50	50	0.0	B108-50	SM		Damp, very dense, silty SAND, cohesive, brown, no solvent or hydrocarbon odor (40-60-0).	
								Boring terminated at 50.5 feet bgs. Two-inch-diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW108.	
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B109**
 MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" concrete surfacing.	
5	2 2 3		100	0.0	B109-05	SM (FILL)		Moist, loose, silty SAND with gravel, fill material, gray, no solvent or hydrocarbon odor (30-60-10) (FILL).	
10	1 1 1		100	0.0		SM (FILL)		Moist, very loose, silty SAND with gravel, gray to black, slight hydrocarbon odor (30-60-10) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B109**
 MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2-3	3	100	6.9	B109-15	SM		Moist, loose, silty medium to fine SAND with gravel, gray, moderate hydrocarbon odor (20-75-5).	
20	2-3	3	100	0.5		SM		Wet, loose, silty SAND with gravel, gray, sheen on sample, no solvent or hydrocarbon odor (30-55-15).	
25	3-5	3	100	0.0	B109-25	SM		Wet, loose, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B109**
 MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	4-5	5	100	0.0		MH		Damp, loose, organic sandy SILT with plant material, dark brown, no solvent or hydrocarbon odor (60-40-0).	
	20-50/6"	20	100	0.5		SM		Damp, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
35	7-9	20	100	0.0	B109-35	SP-SM		Wet, medium dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	15-50/6"	15	60	0.0		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
40	50/6"	50/6"	30	0.0		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	14-50/6"	14	60	30.8		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B109**
 MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6"	30	34.3	B109-45	SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). Boring terminated at 45.5 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW109.	
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								5" Concrete surfacing.	
5	2 2 2		80	1.6	B110-05	SM (FILL)		Damp, very loose, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (25-70-5) (FILL).	
10	3 3 3		90	0.5		SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-65-10) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5-5	5	100	0.0	B110-15	SM (FILL)		Damp, loose, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (25-70-5) (FILL).	
20	9-11	9	90	3.3		SM (FILL)		Damp, medium dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10) (FILL).	
25	7-10	7	100	1.1	B110-25	SM-ML		Wet, very stiff, fine sandy SILT with gravel, wood waste, and plant material, no solvent or hydrocarbon odor (45-40-15) (FILL).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	8-12-15		100	0.5		SP-SM		Wet, medium dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
	12-15-15		100	1.1		SP-SM SM		Wet, medium dense, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0). Wet, medium dense, silty medium to fine SAND, brown, no solvent or hydrocarbon odor (25-75-0).	
35	50/6"		30	9.9	B110-35	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-55-10).	
	50/6"		30	0.5		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-55-10).	
40	50/6"		30	1.1		ML		Damp, hard, silt with fine SAND and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (60-35-5).	
	50/6"		30	1.1		SM-ML		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (45-45-10).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6"	30	1.1	B110-45	SM		Damp, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-55-10). Boring terminated at 45.5 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW110.	
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete surfacing.	
5	1 2 3		90	0.8		SM (FILL)		Moist, loose, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-60-15) (FILL).	
10	1 1 1		80	0.2	B111-10	SM (FILL)		Damp, very loose, silty medium to fine SAND with gravel, wood waste, dark brown, no solvent or hydrocarbon odor (25-60-15) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3-4	3	100	1.8		SM		Damp, loose, silty fine to medium SAND, gray, slight hydrocarbon odor (40-60-0).	
20	4-4	4	100	1.3	B111-20	SM-ML		Wet, medium stiff, fine sandy SILT, slightly plastic, gray, no solvent or hydrocarbon odor (55-45-0).	
25	4-7	4	100	0.8		SM		Wet, medium dense, silty medium to fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	7-11	10			B111-30	SP-SM		Wet, medium dense, fine to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (15-80-5).	
	11-13	60	0.2			SP-SM		Wet, medium dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (15-85-0).	
35	6-7	80	1.8			SP-SM		Wet, medium dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	7-50/6"	80	17.0		B111-38	SP-SM		Wet, very dense, fine to coarse SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-85-5).	
40	50/6"	100	3.5			SP-SM		Wet, very dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). Heaving sands.	
	12-14		57.8			SP-SM		Wet, medium dense, fine to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
	14-16					SM		Damp, medium dense, silty SAND with trace gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	20 50/6"	60	32.8			SP-SM		Wet, very dense, fine to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
	25 50/6"	60	36.0			SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-50-10).	
50	50/6"	30	8.9	B111-50		ML		Damp, hard, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-35-15).	
55	50/6"	30	8.4			ML		Damp, hard, SILT with sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-35-15).	
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	50/6"	30	0.8	B111-60	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (25-25-50).		
65	50/6"	30	0.2		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-25-45).		
70	50/6"	30	2.9	B111-70	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).		
75	50/6"	30	0.2		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).		

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75	50/5"		100	1.9		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).	
	50/6"		100	0.4		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).	
80	50/6"		30	3.5	B111-80	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).	
								Boring terminated at 80.5 feet bgs. Two-inch-diameter well installed to a depth of 80 feet bgs, screened from 70 to 80 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW111.	
85									
90									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								<p>Asphalt/concrete at the surface.</p> <p>Borehole cleared to a depth of 9 feet bgs with a vactor truck.</p>	
10	0 1 1		100	1.4	B112-10	SM-ML (FILL)		<p>Damp, soft, fine sandy SILT with gravel and rootlets, brown, no solvent or hydrocarbon odor (40-40-20) (FILL).</p>	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: | **1 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	30 50/5"	100	1.7			SM		Damp, very dense, silty SAND with gravel, reddish brown, no solvent or hydrocarbon odor (25-55-20).	
20	50/6"	20	4.6	B112-20	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).		
25	50/6"	100	2.8		SP-SM		Wet, very dense, medium to fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (15-85-0).		
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | B112 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/6"	60	3.4	B112-30	SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-55-15).		
35	50/6"	30	1.7		SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).		
40	50/6"	100	0.0	B112-40	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-15).		
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	30		0.8		SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (30-50-20).	
50	50/5"	50		2.3	B112-50	SM-ML		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-40-20).	
	50/5"	50		2.3		SM-ML		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-45-15).	
55	50/6"	50		2.8		SP-SM SM		Moist, very dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0). Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
	50/3"	30		2.3		SM-ML		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-45-5).	
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	50/6"	50	50	1.7	B112-60	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
65	50/6"	50	50	1.7		SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
70	50/6"	50	50	1.7	B112-70	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
75									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75	50/8"	50	50	0.5	B112-75	SM-ML SP-SM		Wet, very dense, silty SAND with trace gravel, gray, no solvent or hydrocarbon odor (45-50-5). Wet, very dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
80	50/4"	30	0.5	B112-80	SM-ML		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).		
85	50/6"	30	0.0	B112-85	SM-ML		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).		
90								Boring terminated at 85.5 feet bgs. Two-inch-diameter well installed to a depth of 85 feet bgs, screened from 75 to 85 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW112.	

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 1.5 feet thick at surface.	
5								Cleared borehole with a vector truck to a depth of 9 feet below ground surface.	
10	12	12	100	44.8	B113-10	SM		Dry, medium dense, silty medium to fine SAND with gravel, light brown, no solvent or hydrocarbon odor (15-70-15).	
15									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | B113
MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	15-16	22	100	63.7		SM		Damp, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (25-65-10).	
20	20-22	8	100	5.2	B113-20	SP-SM		Wet, medium dense, medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (10-75-15).	
25	25-27	8	100	1.5		SM		Wet, medium dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-60-15).	
30									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: **2 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12	100	0.3	B113-30	SM-ML		Wet, medium dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10). Lacostrine sediments.		
	13								
	10								
35	13	100	0.3		SM-ML		Wet, medium dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (45-50-5). Lacostrine sediments.		
	14								
	13								
40	9	100	0.0	B113-40	ML		Damp, medium dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (80-20-0).		
	11								
	14								
45									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | B113 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	11-17	11	100	2.1		SP-SM		Wet, dense, medium to fine SAND with trace gravel, gray no solvent or hydrocarbon odor (10-85-5).	
50	17-23	14	100	0.3	B113-50	SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
55	23-20	20	100	0.9		SP		Wet, dense, medium to fine SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
60									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: 4 of 6



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60			0					No recovery. Driller reports sandy material.	
65			0				No recovery. Driller reports sandy material.		
70			0				No recovery.		
75									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75			0					No recovery. Driller reports sand.	
80			0				No recovery. Driller reports sand.		
85							Boring terminated at 80 feet below ground surface. Two-inch-diameter well installed to a depth of 80 feet bgs, screened from 70 to 80 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW113.		
90									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0									
5	2 2 3		50	0.8		SP-SM (FILL)		Damp, loose, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (10-75-15). Fill material.	
10									
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	50/5"		100	0.0	B114-15	SM		Dry, very dense, silty fine SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
20	50/6"		100	0.0		SM		Dry, very dense, silty fine SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
25	50/6"		100	0.8	B114-25	SM		Dry, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: | **2 of 4**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/6"		100	0.2		SP-SM		Wet, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
35	50/6"		100	42.8	B114-35	SM		Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).	
	50/6"		100	40.2		SM		Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).	
40	50/6"		100	0.8	B114-40	SM-SP		Wet, very dense, medium to fine SAND with silt, light gray, no solvent or hydrocarbon odor (15-85-0).	
	50/2"		100	0.2		SM-ML		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-45-15).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/3"	100	1.3	B114-45	SM-ML		<p>Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-45-15).</p> <p>Boring terminated at 45.5 feet below ground surface. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW114.</p>	
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | **B115**
 MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 1.5 feet thick at surface.	
								Boring cleared with a vactor truck to a depth of 9 feet below ground surface.	
10	3 7 7		80	1.4	B115-10	SM (FILL)		Damp, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-55-15) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | **B115**
 MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	15	60	0.8	B115-15	SM (FILL)		Moist, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-55-15) (FILL).		
20	7 5 3	100	0.8		SP-SM (FILL)		Wet, loose, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (15-70-15) (FILL).		
25	5 5 6	100	0.2	B115-25	SM (FILL)		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10) (FILL).		
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | **B115**
 MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	7-10	10	100	0.8		SM		Wet, medium dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-60-0).	
	7-9	7	100	0.2		ML		Wet, medium dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (80-20-0). Lacostrine deposits.	
35	3-3	3	100	0.8	B115-35	MH		Wet, medium dense, SILT with fine sand, plastic, gray, no solvent or hydrocarbon odor (80-20-0). Lacostrine deposits.	
	4-4	4	100	0.2		MH		Wet, medium dense, SILT with fine sand and trace gravel, plastic, gray, no solvent or hydrocarbon odor (80-15-5). Lacostrine deposits.	
	10-15	10							
40	12-13	12	80	0.8		SM		Wet, medium dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-60-0).	
	13-15	13							
	12-15	12	100	0.8		SP-SM		Wet, medium dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | **B115**
 MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	23 50/6"	100	0.8	B115-45	SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).		
50							<p>Boring terminated at 46 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW115.</p>		
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | **B116**
 MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 1.5' thick at surface.	
5								Borehole cleared to a depth of 9 feet bgs with a vactor truck.	
10	2 1 1		100	0.5		SM (FILL)		Damp, very loose, silty SAND with trace gravel, light brown, no solvent or hydrocarbon odor (40-55-5).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | B116
MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 1 1		100	0.0	B116-15	SM (FILL)		Wet, very loose, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (35-55-10) (FILL).	
20	4 3 4		100	0.5		SP-SM (FILL)		Wet, loose, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10) (FILL).	
25	2 4 3		100	1.1	B116-25	SP-SM (FILL)		Wet, loose, medium to fine SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (15-80-5) (FILL).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | **B116**
 MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12-15		100	0.5		SP-SM		Wet, medium dense, medium to fine SAND and silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-85-5).	
	14-15					ML		Damp, medium dense, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
	23-50/6"		100	1.1		SM-ML		Moist, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
35	12-23		100	0.5	B116-35	ML		Moist, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
	30-50/6"		100	1.1		ML		Wet, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
40	17-50/6"		100	0.5		ML		Wet, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
	17-50/6"		60	1.1		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | **B116**
 MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	17 12 14		100		B116-45	MH		Wet, medium dense, SILT with fine sand, plastic, dark gray, no solvent or hydrocarbon odor (90-10-0).	
50								Boring terminated at 46.5 feet below ground surface. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW116.	
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Asphalt 6" thick. Boring cleared with a vector truck to a depth of 8' below ground surface (bgs).	
10	50/4"	10	0.0	B117-10	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (30-55-15).		

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	50/5"	33	0.0	B117-15	SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).		
20	50/5"	33	0.0	B117-20	SP-SM		Damp, very dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (15-75-10).		
25	50/5"	30	0.0	B117-25	SM		Damp, very dense, silty SAND with gravel, cohesive, light brown, no solvent or hydrocarbon odor (40-50-10).		
30									

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/5"	30	0.0	B117-30	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-60-15).		
35	50/5"	30	0.0	B117-35	SM		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).		
40	50/6"	100	0.0	B117-40	SP-SM		Wet, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).		
45									

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	100	0.0	B117-45	SP-SM		Wet, very dense, medium to fine sand with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).		
50	50/5"	30	0.0	B117-50	SM-ML		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).		
55	50/5"	20	0.0	B117-55	SM ML		Damp, very dense, silty SAND, gray, no solvent or hydrocarbon odor (20-80-0). Damp, very dense, SILT with fine sand, no solvent or hydrocarbon odor (55-45-0).		
60							Boring terminated at 55.5 feet below ground surface. A two-inch diameter well was installed to a depth of 55 feet bgs, screened from 40 to 55 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW117.		

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								3 inches of asphalt.	
5	10 15 25		100			SM		Moist, dense, silty fine SAND with medium-large gravel, brown, no solvent or hydrocarbon odor (30-55-15).	
10	32 50/6		100	0.1	B118-10	SM		Moist, very dense, silty fine SAND with gravel, increasing silt with depth, brown, no solvent or hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	26 50/5	150	0.0			SM ML		Moist, very dense, silty fine SAND with some gravel, brown, no solvent or hydrocarbon odor (25-65-10). Moist, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (80-20-0).	
20	50/6	125	0.0	B118-20	ML SP-SM SM-ML		Moist, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (80-20-0). Moist to wet, very dense, fine to medium SAND with trace gravel and trace silt, no solvent or hydrocarbon odor (10-85-5). Moist, very dense, fine sandy SILT, gray-brown, no solvent or hydrocarbon odor (60-40-0).		
25	50/6	125	0.1			SM		Moist, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
30									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	X	50/6	125	3.0	B118-30	SM		Moist to wet, very dense, silty fine to medium SAND with lenses of cleaner medium sand, gray, no solvent or hydrocarbon odor (25-75-0).	
35	X	50/6	150	2.4		SM		Wet, very dense, silty fine to medium SAND with trace fine gravel, gray, no solvent or hydrocarbon odor (20-75-5).	
40	X	50/6	150		B118-40	SM SM-ML		Wet, very dense, silty fine to medium SAND with trace fine gravel, gray, no solvent or hydrocarbon odor (20-75-5). Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).	
45									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/5	125	6.0			SM		Moist to wet, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (35-65-0). Lenses of silty SAND present within sample (30-70-0).	
50	50/5	125	1.2	B118-50	SM		Moist, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).		
55	50/5	125			SM		Moist, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).		
60							Boring terminated at 55.5 feet below ground surface (bgs). Boring was backfilled with bentonite chips to 50 feet bgs. Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW118.		

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete cored prior to drilling. Concrete 4 inches thick.	
5	20 18 20		100			SM (FILL)		Moist, dense, silty, gravelly, fine to medium SAND, brown, no solvent or hydrocarbon odor (15-70-15).	
10	4 3 3		100	0.9	B119-10	SM (FILL) ML (FILL)		Moist to wet, loose, gravelly, silty, fine to medium SAND with some coarse sand, gray-brown, no solvent or hydrocarbon odor (15-65-20). Moist, soft, fine sandy SILT with gravel, dark brown, black staining, wood debris, no solvent or hydrocarbon odor (60-30-10).	
15									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	16 29 33		100	0.9		SM-ML		Wet, very dense, silty fine SAND with trace gravel, blue-gray, no solvent or hydrocarbon odor (45-50-5).	
20	10 7 10		30	0.9	B119-20	SM		Wet, medium dense, silty fine SAND, organics, wood debris, glass shards, gray, no solvent or hydrocarbon odor (40-60-0).	
25	10 10 10		100	0.7		SM ML		Wet, medium dense, silty fine SAND, organics, wood debris, glass shards, dark brown, no solvent or hydrocarbon odor (35-50-15). Moist, stiff, SILT with fine sand, blue-gray, no solvent or hydrocarbon odor (90-10-0).	
30									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	30	50/6	150	0.1	B119-30	SP-SM		Moist, very dense, fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).	
35	13 15 15	100	0.9		SP-SM		Moist to wet, medium dense, fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).		
40	13 15 15	100	0.9	B119-40	SP-SM		Wet, medium dense, fine SAND with some silt, brown, no solvent or hydrocarbon odor (10-90-0).		
45									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X 50/6	28	125	1.0		SP		Wet, very dense, fine to medium SAND with trace silt, gray to brown, no solvent or hydrocarbon odor (5-95-0).	
50								Boring terminated at 46 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW119.	
55									
60									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10"-thick.	
5	13 15 17		100	0.0		SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-55-15).	
10	10 11 15		100	0.0	B120-10	SM		Damp, loose, silty SAND with gravel, brown with gray spots, no hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:

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Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 6 7		100	0.4		SM		Wet to moist, loose, silty SAND, trace gravel, gray, no hydrocarbon odor (35-60-5).	
20	2 3 5		20	0.0	B120-20	ML		Wet, loose, silty with fine SAND and trace gravel, gray, no hydrocarbon odor (60-35-5).	
25	16 16 19		0				Driller reports very dense at 24' bgs. No recovery.		
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	33	0.0	B120-30	SP		Wet, very dense, fine to medium SAND with trace silty and gravel, no hydrocarbon odor (10-85-5).	
35		50/6	100	0.0		GP		Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70).	
						SP		Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).	
40		50/6	0				No recovery.		
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	33	0.0	B120-45	ML		Wet, very dense, silt with fine SAND and gravel, gray, no hydrocarbon odor with wood ash (60-35-5).	
50		50/6	33	0.0	B120-50	ML		Wet, very dense, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
55								Boring terminated at 50.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW120.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10"-thick.	
5	13 15 17		100	0.0		SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-55-15).	
10	10 11 15		100	0.0	B120-10	SM		Damp, loose, silty SAND with gravel, brown with gray spots, no hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 6 7		100	0.4		SM		Wet to moist, loose, silty SAND, trace gravel, gray, no hydrocarbon odor (35-60-5).	
20	2 3 5		20	0.0	B120-20	ML		Wet, loose, silty with fine SAND and trace gravel, gray, no hydrocarbon odor (60-35-5).	
25	16 16 19		0				Driller reports very dense at 24' bgs. No recovery.		
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	33	0.0	B120-30	SP		Wet, very dense, fine to medium SAND with trace silty and gravel, no hydrocarbon odor (10-85-5).	
35		50/6	100	0.0		GP		Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70).	
						SP		Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).	
40		50/6	0				No recovery.		
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	33	0.0	B120-45	ML		Wet, very dense, silt with fine SAND and gravel, gray, no hydrocarbon odor with wood ash (60-35-5).	
50		50/6	33	0.0	B120-50	ML		Wet, very dense, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
55								Boring terminated at 50.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW120.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 128' S of NW corner of city light building
Well Location E/W: 18' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | B121

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete cored prior to drilling. Concrete 4 inches thick.	
5	8 16 20		100	0.0	B121-05	SM		Damp, medium dense, silty SAND with gravel, brown, (30-60-10) (FILL).	
10	6 7 8		100	0.0		SM		Damp, loose, silty SAND with gravel and miscellaneous debris, black, no hydrocarbon odor (FILL).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 26.5 feet bgs
Total Well Depth: 25 feet bgs
State Well ID No.: BID 016

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 128' S of NW corner of city light building
Well Location E/W: 18' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | B121

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3 2 1		100	0.0	B121-15	ML		Wet, loose, SILT with sand and gravel, gray, wood ash, no hydrocarbon odor (50-40-10).	
20	0 2 4		100	0.0		ML		Wet, dense, SILT with sand and gravel, gray, no hydrocarbon odor (possible lake sediments) (50-40-10).	
25	1 1 3		100	0.0	B121-25	ML		Moist, loose, SILT with fine sand and organics, gray, no hydrocarbon odor (70-30-0).	
30								Boring terminated at 26.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 25 feet bgs, screened from 15 to 25 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW121.	

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 26.5 feet bgs
Total Well Depth: 25 feet bgs
State Well ID No.: BID 016

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 8 inches thick.	
5								Cleared with vent truck????	
10		8 8 8	100	2.5	B122-10	ML		Damp, loose, SILT with sand and gravel and brick debris, dark gray to black, moderate hydrocarbon odor (50-40-10) (FILL).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5 6 8		100	4.0	B122-15	SM		Moist to wet, silty SAND with gravel, gray, slight hydrocarbon odor (40-50-10).	
20	3 5 9		100	0.0	B122-20	SM		Wet, loose, silty SAND with gravel, gray, no hydrocarbon odor (40-50-10).	
25	5 8 10		80	0.0	B122-25-20131217 B122-25	SP		Wet, loose, medium to fine SAND with silt and gravel, gray, slight hydrocarbon odor (10-85-5).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	17 50/6	100	0.0	B122-30	ML			Damp, very dense, SILT with fine sand, gray, no hydrocarbon odor (60-40-0).	
35	14 50/6	100	0.0	B122-35	ML			Moist to wet, very dense, SILT with fine sand, gray, no hydrocarbon odor (55-45-0).	
40	19 50/6	100	0.0	B122-40-20131217 B122-40	ML			Wet, very dense, SILT with fine sand, gray, no hydrocarbon odor (60-40-0).	
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	100	0.0	B122-45	SP		Wet, very dense, medium to fine SAND with silt, gray, no hydrocarbon odor (10-90-0).	
50		50/6	100	0.0	B122-50	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (65-30-5).	
55		50/6	100	0.0		SM		Damp to moist, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (45-40-15). Sample is warm to the touch.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/6	100	0.0	B122-60	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-45-15).	
65		50/6	70	0.0		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-45-15).	
70		50/6	90	0.0	B122-70	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-45-15).	
75									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	80	0.0		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-50-10).	
80		50/6	100	0.0	B122-80	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-50-10).	
85		50/6	100	0.0	B122-85-20131217	SP		Driller reports change in drilling conditions. Easier conditions. Wet, very dense, medium to fine SAND with silt and gravel, gray, no hydrocarbon odor (10-80-10).	
90									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90								Lost sampler.	
95								Had to overdrill sampler.	
100		50/6	100	0.0	B122-100	SP		Wet, very dense, coarse to medium SAND and silt with gravel, gray, no hydrocarbon odor (5-8-15). Heaving conditions. Sampler stuck in Auger, sand locked. Boring advanced to 115 and set well without collecting soil samples.	
105									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105								<p>Heaving conditions. Sampler stuck in Auger, sand locked. Boring advanced to 115 and set well without collecting soil samples.</p>	
110									
115								<p>Boring terminated at 115 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 115 feet bgs, screened from 105 to 115 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW122.</p>	
120									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | B123 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10 inches thick.	
								Boring vac cleared to 10' bgs	
10	2 2 3		100	0.5	B123-10	ML		Damp, loose, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	4 4 6		100	0.0		ML		Damp, loose, SILT with fine sand and gravel, gray, no hydrocarbon odor (50-35-5).	
20	2 3 3		100	0.0	B123-20	SM		Wet, loose, silty SAND with gravel, gray, no hydrocarbon odor (40-55-5).	
25	6 7 7		100	0.0		ML		Wet, loose, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | B123 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	0					No recovery. Drilling on loose rock.	
35								No sample.	
40								Through rock. Hammer threads damaged, cannot collect soil samples for the rest of the borin.	
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45						SM		Cuttings indicate wet silty SAND, gray, no hydrocarbon odor.	
50						SM		Cuttings indicate wet silty SAND, gray, no hydrocarbon odor.	
55						SM		Cuttings indicate wet silty SAND, gray, no hydrocarbon odor.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:

 Page: | **4 of 6**



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60						SM		Driller reports SAND from 70 to 80 feet bgs.	
65					SM				
70					SM				
75									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75	X					SM	X	Driller reports SAND from 70 to 80 feet bgs.	X
80								Boring terminated at 80 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 80 feet bgs, screened from 70 to 80 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW123.	
85									
90									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | B124
MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 8 inches thick.	
10	10-11	10	90	0.0	B124-10	GP		Damp, loose, gravelly SAND with silt, brown, no hydrocarbon odor (10-30-60).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5 4 3		100	0.0	B124-15	ML		Damp, loose, SILT with fine sand and gravel, dark brown, no hydrocarbon odor (55-40-5).	
20	4 6 8		100	0.0	B124-20	ML		Moist, loose, SILT with fine sand and gravel, dark brown, no hydrocarbon odor (55-40-5).	
25	6 10 15		100	0.0	B124-25	SM		Wet, loose, silty SAND with gravel, brown, no hydrocarbon odor (25-65-10).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	10-16-17		100	0.0	B124-30	SP		Damp, dense, medium to fine SAND with gravel and silt, reddish brown, no hydrocarbon odor (10-80-10).	
35	11-11-13		100	0.0	B124-35	SM ML SP	 	Moist, loose, silty SAND with gravel, brown no hydrocarbon odor (35-60-5). Damp, loose, SILT with fine sand, brown, no hydrocarbon odor (55-45-0). Damp, loose, medium to fine SAND with silt and gravel, brown, no hydrocarbon odor (10-80-10).	
40	20-23-26		100	0.0	B124-40	SM		Wet, dense, silty SAND with gravel, brown, no hydrocarbon odor (20-70-10).	
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/4	100	0.0	B124-45_20131219 B124-45	SP		Wet, very dense, SAND with silt and gravel, brown, no hydrocarbon odor (10-80-10).		
50	50/6	100	0.0	B124-50	GP		Wet, very dense, gravelly SAND with silt, gray, no hydrocarbon odor (10-40-50).		
55	50/6	35	0.0	B124-55	SM		Wet, very dense, silty SAND with gravel, cohesive gray, no hydrocarbon odor (45-40-15).		
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	50/6	100	0.0	B124-60_20131219 B124-60	SP		Wet, very dense, medium to fine SAND with silt and trace gravel, gray, no hydrocarbon odor (10-85-5).		
65	50/6	100	0.0	B124-65	SM		Moist to wet, very dense, silty SAND and gravel, gray, cohesive, no hydrocarbon odor (20-65-15).		
70	50/6	100	0.0	B124-70	SM		Wet, very dense, silty SAND with trace gravel, gray, no hydrocarbon odor (30-60-10).		
75									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	100	0.0	B124-75	ML		Damp, very dense, SILT with fine sand, bray, cohesive, no hydrocarbon odor (75-25-0).	
80		50/6	66	0.0	B124-80	ML		Damp, very dense, SILT with fine sand, cohesive, gray, no hydrocarbon odor (50-50-0).	
85		50/6	66	0.0	B124-85	SM		Moist, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (30-55-15).	
90									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | B124 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90		50/6	60	0.0	B124-90	ML		Damp, very dense, SILT with fine sand, gray, cohesive, no hydrocarbon odor (80-20-0).	
95		50/6	100	0.0	B124-95	ML		Damp, very dense, SILT with fine sand and trace gravel, gray, cohesive, no hydrocarbon odor (50-45-5).	
100		50/6	100	0.0	B124-100	SP		Wet, very dense, medium to fine SAND with silt, gray, no hydrocarbon odor (10-90-0).	
105									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105		50/6	100	0.0	B124-105	SP		Wet, very dense, medium to fine SAND with gravel, dark gray, no hydrocarbon odor (10-90-0).	
110		50/6	33	0.0	B124-110	SP		Wet, very dense, medium to fine SAND with silt, dark gray, no hydrocarbon odor (10-90-0).	
115		50/6	100	0.0	B124-115	SP		Wet, very dense, medium to fine SAND with silt, dark gray, no hydrocarbon odor (10-90-0).	
120									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120	X	50/6	100	0.0	B124-120	SP		Wet, very dense, medium to fine SAND with silt, dark gray, no hydrocarbon odor (10-90-0).	
125								Boring terminated at 120.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 120 feet bgs, screened from 110 to 120 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW124.	
130									
135									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/20/13
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: CCC
Date Completed: 12/20/13

BORING LOG | **B125**
 MW125

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10 inches thick.	
5	8 9 10		100	0.2	B125-05	SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (35-45-20).	
10	5 7 8		90	0.2	B125-10	SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-50-20).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BID 020

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/20/13
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: CCC
Date Completed: 12/20/13

BORING LOG | **B125**
 MW125

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	6 7 7		100	0.0	B125-15	ML		Damp to moist, loose, SILT with fine sand, greenish gray, no hydrocarbon odor (80-20-0).	
20	2 4 6		100	0.2	B125-20	SM		Wet, loose, silty SAND with gravel, gray, no hydrocarbon odor (30-65-5).	
25	50/6		100	0.0	B125-25	ML		Damp, very dense. SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50-40-10).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BID 020

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/20/13
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: CCC
Date Completed: 12/20/13

BORING LOG | **B125**
 MW125

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	8 9 9		100	0.0	B125-30	ML		Damp, loose, SILT with fine sand, brown, no hydrocarbon odor, plastic (80-20-0).	
35								Boring terminated at 31.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 30 feet bgs, screened from 15 to 30 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW125.	
40									
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BID 020

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10" thick	
5								Clear boring with vector truck to depth of approximately 10 feet bgs.	
10	10 16 17		100	400	B126-10	SM		Damp, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (35, 50, 15).	
15					B126-15				

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		4 4 4	100	5.7		SM-ML		Moist, loose, silty SAND with gravel, gray, slight hydrocarbon odor (45, 45, 10).	
20		8 4 4	15	3.2	B126-20	SM-ML		Wet, loose, silt with fine SAND, gray, no hydrocarbon odor (55, 45, 0).	
25		8 10 11	100	2.8	B126-25	SP-SM		Wet, loose, fine to medium SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
30									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12 16 17		100	0.5	B126-30	SP-SM		Moist, dense, very fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
35	50/6		100	0.0	B126-35	SP-SM		Wet, very dense, very fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
40	50/6		100	0.2	B126-40	SP-SM		Wet, very dense, fine to medium SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
45									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	33	0.0	B126-45	ML		Damp, very dense, silt with fine SAND, gray, no hydrocarbon odor (60, 40, 0).	
50		50/6	100	0.0	B126-50	SM-ML		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40, 50, 0).	
55		50/6	33	0.0	B126-55	ML		Damp, very dense, SILT with fine sand and gravel, gray, cohesive, no hydrocarbon odor (50, 40, 10).	
60									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/6	33	0.0	B126-60	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (60, 30, 10).	
65		50/6	33	0.0	B126-65	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (60, 30, 10).	
70		50/6	100	0.0	B126-70	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
75									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	33	0.0	B126-75	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
80		50/6	33	0.0	B126-80	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
85		50/6	33	0.0	B126-85	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
90									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90		50/6	0					Slough in sampler.	
95		50/6	100	0.0	B126-95	SP		Wet, very dense, fine to coarse SAND with gravel and silt, gray, no hydrocarbon odor, outwash sands (5, 90, 5).	
								EOB at 95.5 feet bgs. Set well MW126.	
100									
105									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 7 inches thick.	
								Vac clean to 10' bgs.	
10	9 18 16		80	0.0	B127-10	SM		Damp, dense, silty SAND with gravel, brown, no hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	4 7 8		90	0.0	B127-15	ML		Moist, loose, SILT with fine sand, gray, no hydrocarbon odor (75-25-0).	
20	16 50/6		0	--	--			Wood in sampler.	
25	50/6		100	0.0	B127-25	GM		Wet, very dense, silty GRAVEL with sand, gray, no hydrocarbon odor (20-20-60). Wood waste and some soil in samler.	
30									

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	0.0	B127-30	SP		Wet, very dense, medium to fine SAND with silt, gray, no hydrocarbon odor (10-90-0).	
35		50/6	70	0.0	B127-35	ML		Damp, very dense, SILT with fine sand, cohesive, gray, no hydrocarbon odor (70-30-0).	
40		50/6	50	0.0	B127-40	ML		Wet, very dense, SILT with fine sand, cohesive, gray, no hydrocarbon odor (60-40-0).	
45								Trace sand with gravel in end of sampler.	

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	100	0.0	B127-45	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-50-10).	
50		50/6	100	0.0	B127-50	SP		Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).	
55									
60								Boring terminated at 50.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW127.	

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0									
5									
10		2 3 4	100	52.8	B128-10	SM		Damp, loose, silty fine SAND with trace gravel, gray, faint hydrocarbon odor (40, 55, 5).	
15									

Boring air-knifed to 10 feet bgs prior to drilling.

Damp, loose, silty fine SAND with trace gravel, gray, faint hydrocarbon odor (40, 55, 5).

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5 5 3		50	2.6	B128-15	SM		Wet, loose, wood debris with some soil - silty SAND with gravel, brown, no hydrocarbon odor (20, 70, 10).	
20	4 7 8		33	1.3	B128-20	SM-GM		Wet, medium dense, silty gravelly SAND, dark gray, no hydrocarbon odor (20, 40, 40).	
25	5 9 11		100	0.6	B128-25	SM-ML		Damp, medium dense, fine sandy SILT with trace gravel and wood debris, gray, no hydrocarbon odor (50, 45, 5).	
30									

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	6 10 15	100	0.0	B128-30	SM/SP		Wet, medium dense, fine SAND with silt, dark gray, no hydrocarbon odor (10, 90, 0).		
35	10 10 14	100	0.0	B128-35	ML		Damp, medium dense, sandy SILT with trace gravel and wood debris, gray, no hydrocarbon odor (70, 25, 5).		
40	12 14 15	100	0.0	B128-40	ML		Damp, dense, SILT with fine sand, gray, no hydrocarbon odor (80, 20, 0).		
45									

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	11 18 19		50	0.6	B128-45	ML		Damp, dense, SILT/CLAY with fine sand, with small sand stringer, gray, no hydrocarbon odor (85, 15, 0).	
50	12 13 15		100	0.6	B128-50	SM-ML		Damp to moist, medium dense, silty fine SAND to sandy SILT, gray, no hydrocarbon odor (50, 50, 0).	
55	12 12 16		75	0.0	B128-55	ML		Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0).	
60									

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	16 16 19	100	0.6	B128-60	SM/SP		Moist, dense, fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).		
65	11 12 14	100	0.0	B128-65	SM/SP		Moist, dense, fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).		
70	50/6	250	0.0	B128-70	SM/SP		Wet, very dense, fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).		
75							End of boring at 70.5. Install MW128.		

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Concrete
Well Location N/S: 35' S of N wall
Well Location E/W: 46' E of W wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | **DB01**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 27.40 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5	18 50/6		100	1.3	B-1-05	SP-SM (FILL) SM (FILL)		Damp, very dense, medium to fine SAND with some silt, light brown, no solvent or hydrocarbon odor (10-90-0). Fill material. Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (20-75-5). Fill material.	
10	2 2 5		100	0.7	B-1-10	SP-SM (FILL)		Moist, loose, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 41 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Concrete
Well Location N/S: 35' S of N wall
Well Location E/W: 46' E of W wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | **DB01**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 27.40 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	12-15-17		100	0.0	B-1-15	SM		Moist, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (30-50-20).	
20	11-10-9		100	0.0	B-1-20	ML		Wet, medium dense SILT with fine sand and gravel, light brown, no solvent or hydrocarbon odor (50-30-20).	
25	14-20-21		100	0.0	B-1-25	GM SP-SM	 	Moist, dense, silty gravelly SAND, brown, no solvent or hydrocarbon odor (15-35-50). Moist, dense, medium fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-60-30).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 41 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Concrete
Well Location N/S: 35' S of N wall
Well Location E/W: 46' E of W wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB01

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 27.40 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	0.1	B-1-30	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-55-20).	
35		50/6	50	0.1	B-1-35	ML		Wet, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
40		50/6	50	0.4	B-1-40	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
45								Boring terminated at 41 feet below ground surface (bgs). Refusal due to large rock. A temporary well set with screen from 35-40 feet bgs. Backfilled with bentonite chips.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 41 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Asphalt at surface.	
5	1 2 2		100	0.0	B-2-05	ML (FILL)		Wet, soft SILT with gravel and fine sand, olive gray, no solvent or hydrocarbon odor. Black wood ash in bottom 3 inches (55-40-5). Fill material.	
10	3 5 5		100	0.0	B-2-10	ML (FILL)		Moist, stiff SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (50-45-5). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	4 5 5		100	0.1	B-2-15	SP-SM SM		Moist, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). Moist, loose, silty fine SAND, dark gray, no solvent or hydrocarbon odor (35-65-0).	
20	5 15 18		100	4.8	B-2-20	SM		Moist, medium dense, silty medium to fine SAND with trace gravel, brown, no solvent or hydrocarbon odor (20-75-5) Damp, medium dense, silty fine to medium SAND, brown, no solvent or hydrocarbon odor (25-75-0).	
25	15 50/6		1	0.7	B-2-25	GM		Wet, very dense, GRAVEL with silt and sand, dark brown.	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	15 25 25		5	--	B-2-30	GM		Wet, dense, silty gravelly SAND, brown, no solvent or hydrocarbon odor.	
35	50/6		100	0.1	B-2-35	GM		Wet, very dense, silty gravelly SAND, brown, no solvent or hydrocarbon odor (25-25-50).	
40	50/6		100	0.1	B-2-40	SM-ML		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no hydrocarbon odor (40-40-20).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/5	40	1.3	B-2-45	SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor.	
50								<p>Boring terminated at 46.5 feet below ground surface (bgs). A temporary well set with screen from 35 - 40 feet bgs. Collect water sample 20130318-B-2. Remove temporary casing and backfilled with bentonite chips. Finish with concrete.</p>	
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Asphalt at surface.	
5	3 4 3		100	0.5	DB03-05	SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material.	
10	4 7 7		100	0.0	Not Sampled	GM (FILL)		Wet, medium dense, gravelly SILT with bricks, black, no solvent or hydrocarbon odor (10-10-80). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3 5 9		100	0.0	DB03-15	SM (FILL)		Wet, loose, silty SAND with gravel, black, wood ash and metal debris, no solvent or hydrocarbon odor (20-65-15). Fill material.	
20	7 7 7		100	0.5	DB03-20	ML		Damp, medium dense SILT with fine sand, greenish gray, no solvent or hydrocarbon odor (60-40-0).	
25	6 7 7		100	0.5	DB03-25	SM		Wet, medium dense, silty medium SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-50-10).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	10 10 10		100	0.5	DB03-30	ML		Wet, very stiff SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
35	3 4 5		100	0.5	DB03-35	ML		Moist, medium stiff SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
40	4 6 7		100	11.1	DB03-40	ML		Moist, stiff SILT with fine sand, brown and gray, no solvent or hydrocarbon odor (60-40-0).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	10 50/6	75	14.2	DB03-45	SM		Wet, very dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-50-15).		
50	50/6	50	8.9	DB03-50	SM		Wet, very dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20).		
55	60/5	50	46.0	DB03-55	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-45).		
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	X	50/6	50	4.7	DB03-60	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-55-5). Boring terminated at 60.5 feet below ground surface(bgs). Set temperature monitoring point. Collect water sample 20130327-DB03-60.	
65									
70									
75									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete at surface.	
5	7 15 20		100	1.6	DB04-05	GM-GP		Damp, dense, sandy GRAVEL with silt, brown, no solvent or hydrocarbon odor (10-30-60).	
10	15 18 20		100	3.7	DB04-10	SM		Moist, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-50-15).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	7 9 9		100	1.6	DB04-15	SM		Wet, loose, silty SAND, light brown, no solvent or hydrocarbon odor (35-65-0).	
20	12 12 12		100	45.9	DB04-20	SP-SM		Damp, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (15-65-20).	
25	12 12 20		100	18.9	DB04-25	ML-GM		Wet, medium dense, gravelly SILT with sand, light brown, no solvent or hydrocarbon odor (45-15-40).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	54.8	DB04-30	SM		Damp, very dense, silty SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
35		50/6	50	98.6	DB04-35	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (55-40-5).	
40		50/6	50	27.5	DB04-40	ML		Damp, hard SILT with fine sand and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/5	50	50	17.8	DB04-45	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (55-40-5). Set conductor at 45 feet bgs.	
50	50/6	50	50	0.8	DB04-50	ML		Damp, very dense SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-35-15).	
55	50/6	50	50	0.8	DB04-55	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	X	50/6	50	0.8	DB04-60	ML		Damp, very dense SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-35-15). Boring terminated at 60.5 feet below ground surface (bgs). Set temporary well at 60 feet bgs. Collected water sample 20130322-DB04-60.	
65									
70									
75									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5	20 25 20		80	1.0	DB05-05	SP-SM		Damp, dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
10	14 23 24		100	0.6	DB05-10	SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-70-5).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/2	30	0.6	DB05-15	SM		Damp, very dense, silty SAND, light brown, no solvent or hydrocarbon odor (35-65-0).	
20		50/6	30	1.9	DB05-20	ML-SM		Damp, very dense, silty SAND with gravel, cohesive, light brown, no solvent or hydrocarbon odor (40-45-15).	
25		50/6	50	3.3	DB05-25	ML-SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (40-45-15).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/5	50	8.0	DB05-30	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
35		50/6	50	24.1	DB05-35	SM-ML		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (45-45-10).	
40		50/5	50	139.1	DB05-40	ML		Damp, hard, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (55-35-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/4	50	50	11.7	DB05-45	ML		Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).	
50	50/5	50	50	0.9	DB05-50	SM		Moist, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
55	50/6	55	55	0.9	DB05-55	SM		Damp, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/6	55	0.0	DB05-60	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-35-15).	
65		50/6	50	0.0	DB05-65	SP-SM		Moist to wet, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
70		50/6	50	0.0	DB05-70	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (70-25-5). Collect water sample 20130326-DB05-70.	
75								Boring terminated at 70.5 feet below ground surface (bgs).	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" concrete surfacing.	
5	3 3 3		100	0.4	DB06-05	SM (FILL)		Damp, loose, silty SAND, brown, no solvent or hydrocarbon odor (30-70-0). Fill material.	
10	8 8 8		100	0.4	DB06-10	SM (FILL)		Damp, medium dense, silty SAND, brown, no solvent or hydrocarbon odor (45-55-0). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	11 12 16		100	0.4	DB06-15	SM		Damp, medium dense, silty medium SAND, light brown, no solvent or hydrocarbon odor (40-60-0).	
20	50/6		50	0.4	DB06-20	SM		Damp, very dense, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (35-60-5).	
25	50/5		50	4.9	DB06-25	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/5	50	4.9	DB06-30	SM		Wet, very dense, silty SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
35		50/6	50	14.0	DB06-35	ML		Damp, hard SILT with sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (55-35-10).	
40		50/5	50	1.3	DB06-40	SM		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	50	2.2	DB06-45	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
50		50/3	30	0.4	DB06-50	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (55-35-10).	
55		50/6	55	0.4	DB06-55	ML		Damp, hard SILT with fine sand and trace gravel, dark gray, no solvent or hydrocarbon odor (55-40-5).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:

Page: **4 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/5	50	0.4	DB06-60	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (55-30-15).	
65		50/3	50	0.9	DB06-65	SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-45-15).	
70		50/6	50	0.4	DB06-70	ML		Damp, hard SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (60-25-15).	
75									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	50	2.2	DB06-75	ML		Moist to wet, hard SILT with fine sand, dark gray, no solvent or hydrocarbon odor (75-25-0).	
80		50/6	50	0.9	DB06-80	ML		Damp, hard SILT with fine sand and gravel, dark gray, no solvent or hydrocarbon odor (60-30-10).	
85								Boring terminated at 80.5 feet below ground surface (bgs). Set temperature monitoring point. Collect water sample 20130325-DB06-80.	
90									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB07

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								1.5 feet Concrete surfacing.	
5	2 8 8		100	3.7	DB07-05	SM		Moist, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-55-10).	
10	7 8 10		100	6.8	DB07-10	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-55-20).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB07

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	10 10 10	100	68.1	DB07-15	SM		Wet, medium dense, silty medium SAND, brown, no solvent or hydrocarbon odor (30-70-0).		
20	22 10 10	100	24.8	DB07-20	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-50-15).		
25	50/6	50	39.6	DB07-25	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-60-5).		
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | **DB07**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6			DB07-30			No recovery.	
35		50/6	100	14.0	DB07-35	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
40		50/6	50	5.2	DB07-40	SM-ML		Wet, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (40-45-15).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB07

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	30	23.6	DB07-45	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-50-10).	
50		50/3	30	5.2	DB07-50	SM		Wet, very dense, silty SAND with gravel, gray (40-50-10). Sluff.	
55		50/3	0	--				No recovery.	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | **DB07**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/3	30	1.7	DB07-60	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (60-30-10).	
65		50/5	50	7.0	DB07-65	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (60-30-10).	
70		50/4	50	6.1	DB07-70	ML		Damp, hard SILT with fine sand and gravel, gray, cohesive, no solvent or hydrocarbon odor (60-30-10).	
75								Boring terminated at 70.5 feet below ground surface (bgs). Collected water sample 20130328-DB07-70.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5	7 14 9		100	0.7	DB08-05	SP-SM (FILL)		Damp, medium dense, medium to fine SAND with silt, rust color, no solvent or hydrocarbon odor (10-90-0). Fill material.	
10	50/6		50	0.7	DB08-10	SM		Damp, very dense, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (20-75-5).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/5	30	1.5	DB08-15	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (35-60-5).	
20		50/6	50	11.7	DB08-20	SM-ML		Damp, very dense SILT with sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
25		50/6	50	0.7	DB08-25	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	14.6	DB08-30	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (65-35-0).	
35		50/5	50	30.6	DB08-35	SM		Wet, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (35-60-15).	
40		50/6	15	0.0	DB08-40	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	50	0.7	DB08-45	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
50		50/5	50	13.5	DB08-50	SM		Wet, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (20-70-10).	
55		50/5	20	3.7	DB08-55	SM		Wet, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (20-70-10).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	X	50/5	20	4.8	DB08-60	ML		Damp, hard SILT with medium and fine sand, gray, no solvent or hydrocarbon odor (65-35-0). Collect water sample 20130321-DB08-60 at 60' bgs.	
65	X	50/6	50	7.0	DB08-65	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).	
70	X	50/6	20	2.7	DB08-70	ML		Moist, hard silty fine SAND, trace gravel, gray, cohesive, no solvent or hydrocarbon odor (55-40-5).	
75								Boring terminated at 70.5 feet below ground surface (bgs). Set temperature monitoring point at 70' bgs.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete at surface.	
5	2 1 2		100	0.0	DB09-05	SM (FILL)		Damp, very loose, silty SAND with gravel and brick fragments, dark brown, no solvent or hydrocarbon odor (25-65-10). Fill material.	
10	5 7 9		100	0.0	DB09-10	SM (FILL)		Damp, medium dense, silty SAND with gravel and brick fragments, dark brown, no solvent or hydrocarbon odor (25-65-10). Fill material.	
15								FILL	

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/6	30	0.0	DB09-15	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (30-60-10).	
20		10 8 6	100	0.0	DB09-20	SM		Wet, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-60-15).	
25		17 50/6	50	0.0	DB09-25	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (35-55-10).	
30									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	60	0.0	DB09-30	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-55-15).	
35		50/6	50	0.0	DB09-35	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (25-65-10).	
40		50/2	10	0.0	DB09-40	SM		Collected water sample 20130319-DB09-40. Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-60-10).	
45									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6	50	50	0.0	DB09-45	SM		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-60-5).	
50	50/4	30	30	0.0	DB09-50	SM		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-60-5).	
55	50/6	25	25	0.0	DB09-55	ML		Damp, hard, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-45-5).	
60									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/6	50	0.0	DB09-60	ML		Damp, hard SILT with fine sand and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).	
65		50/6	50	0.0	DB09-65	ML		Damp, hard SILT with fine sand and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).	
70		50/6	50	0.0	DB09-70	ML		Damp, hard SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
75								Boring terminated at 70 feet below ground surface (bgs). Set temperature monitoring point at 70 feet bgs.	

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5	2 2 6		100	0.5	DB10-05	SM (FILL)		Moist, loose, silty SAND with gravel, brown, no hydrocarbon odor (25-65-10). Fill material.	
10	9 9 9		100	6.8	DB10-10	SM-ML		Wet, medium dense, silty SAND with gravel, brown, no hydrocarbon odor (45-45-10).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/6	50	65.7	DB10-15	SM-ML		Moist, very dense, silty SAND with gravel, brown, cohesive, no solvent or hydrocarbon odor (40-45-15).	
20		50/6	50	120.5	DB10-20	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (55-40-5).	
25		50/6	50	4.7	DB10-25	SM-ML		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-45-15).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	396	DB10-30	ML		Damp, hard SILT with fine sand, cohesive, gray, solvent odor (55-40-5).	
35		50/6	50	2,493	DB10-35	ML		Damp, hard SILT with fine sand, cohesive, gray, solvent odor (55-40-5).	
40		50/6	50	92.1	DB10-40	ML		Moist, hard SILT with fine sand and trace gravel, gray, solvent odor. Collected water sample 20130329-DB10-40. Set conductor casing at 40 feet bgs.	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6	50	82.6	DB10-45	SP-SM		Wet, very dense, medium to fine SAND with gravel and silt, gray, solvent odor (10-80-10).		
50	50/3	30	425	DB10-50	ML		Damp, hard SILT with fine sand, cohesive, gray, solvent odor (65-35-0).		
55	50/6	50	23.0	DB10-55	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).		
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/5	50	28.9	DB10-60	ML		Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).	
65		50/6	50	16.1	DB10-65	ML		Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
70		50/6	50	6.3	DB10-70	ML		Damp to moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
75								Boring terminated at 70.5 feet below ground surface (bgs). Collected water sample 20130401-DB10-70.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
5	7 1 15		100	0.0	DB11-05	SM		Damp, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (15-70-15).	
10	50/6		50	0.0	DB11-10	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-65-15).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	43 50/5	75	0.0	DB11-15	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (15-75-10).		
20	31 50/3	50	0.6	DB11-20	SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (40-50-10).		
25	50/6	50	2.4	DB11-25	SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon (40-50-10).		
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:

Page: | **2 of 4**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	0.6	DB11-30	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
35		50/6	50	0.6	DB11-35	ML		Moist, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
40		50/5	50	0.0	DB11-40	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:

Page: | **3 of 4**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	50	24.6	DB11-45	SM		Wet, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (15-75-10).	
50		50/6	50	0.4	DB11-50	ML		Moist, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
55		50/6	50	0.4	DB11-55	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
60								Boring terminated at 55.5 feet below ground surface (bgs). Temporary well set from 50 to 55 feet bgs. Collect groundwater sample 20130402-DB11-55.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
5	10 10 10		100	0.0	DB12-05	SP (FILL)		Damp, medium dense, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0). Fill material.	
10	10 10 11		100	112	DB12-10	SP (FILL)		Damp, medium dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (10-80-10). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3 5 8		100	110.9	DB12-15	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20). Set temporary screen at 15 feet bgs. Collected water sample 20130403-DB12-15.	
20	9 9 9		100	82.0	DB12-20	ML		Moist, very stiff, SILT with fine sand, gray with brown mottling, no solvent or hydrocarbon odor (60-40-0).	
25	7 6 5		100	75.1	DB12-25	ML		Moist, stiff, SILT with fine sand, brown, no solvent or hydrocarbon odor (60-40-0).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	7 8 10		100	65.1	DB12-30	SM		Moist, medium dense, silty medium SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20).	
35	3 3 5		100	13.4	DB12-35	SM-GM		Wet, loose, silty sandy GRAVEL, brown, no solvent or hydrocarbon odor (30-40-30).	
40	50/6		50	51.5	DB12-40	SP-SM		Wet, very dense, medium to fine SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6	50	75.1	DB12-45	SM		Damp, very dense, silty SAND with gravel, gray, no hydrocarbon odor (35-50-15). Set temporary screen from 40 to 45 feet bgs. Collected water sample 20130403-DB12-45. Boring terminated at 45.5 feet below ground surface (bgs).	
50									
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
5	1 2 3		100	0.0	DB13-05	ML		Moist, medium stiff, silty fine SAND and gravel, brown, no solvent or hydrocarbon odor (50-40-10).	
10	7 8 9		100	0.4	DB13-10	ML		Moist, very stiff, SILT with fine sand and gravel, brown, no solvent or hydrocarbon odor (60-30-10).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	10 10 10		100	0.6	DB13-15	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-55-10). Set temporary well at 15' bgs. Collected water sample 20130403-DB13-15.	
20	14 15 15		100	4.4	DB13-20	SM		Damp, medium dense, silty SAND with gravel, brown, cohesive, no solvent or hydrocarbon odor (35-55-10).	
25	50/6		50	NR	DB13-25			No recovery.	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	18.4	DB13-30	SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (35-55-10).	
35		50/6	50	40.2	DB13-35	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
40		50/6	50	3.4	DB13-40	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6	50	2.0	DB13-45	ML		Moist, hard, silty fine SAND and gravel, gray, no solvent or hydrocarbon odor (50-40-10). Collected water sample 20130403-DB13-45. Boring terminated at 45.5 feet below ground surface (bgs).	-----
50									
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | **DB14**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								4" Asphalt surfacing.	
5		3 3 3	100		DB14-05	ML (FILL)		Moist, loose, SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0). Fill material.	
10		1 2 3	100		DB14-10	ML (FILL)		Wet, loose, SILT with fine sand and trace gravel, wood waste, black, moderate hydrocarbon odor. Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | DB14

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 2 2		100		DB14-15	SM (FILL)		Wet, very loose, silty SAND with gravel wood waste and miscellaneous debris, black, hydrocarbon odor (25-65-10). Fill material. Set temporary well and collected water sample 20130404-DB14-15	
20	2 3 4		50		DB14-20	ML (FILL)		Wet, loose, SILT with fine sand gravel and miscellaneous debris, black, slight hydrocarbon odor (60-35-5). Fill material.	
25	4 8 14		100		DB14-25	ML		Moist, very stiff, SILT with fine sand, greenish gray, no solvent or hydrocarbon odor (55-45-0).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | DB14

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	14 50/6	50			DB14-30	ML		Damp, very dense SILT with fine sand, light brown, no solvent or hydrocarbon odor (55-45-0).	
35	7 10 12	100			DB14-35	SM		Wet, very dense, silty SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
40	14 14 14	100			DB14-40	SP-SM		Wet, medium dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:

Page: | **3 of 4**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | DB14

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	11 20 40	100			DB14-45	SM		Moist, very dense, silty SAND, gray, no solvent or hydrocarbon odor (35-65-0). Set temporary well at 45 feet bgs and collected water sample 20130404-DB14-45.	
								Boring terminated at 46.5 feet below ground surface (bgs).	
50									
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:

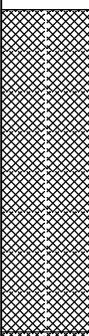
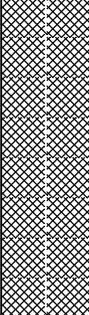
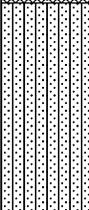
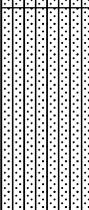
DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

 Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0						Concrete		Concrete surface.	
			20	0.0		Fill		Moist, sandy SILT with gravel. Brown and gray. Contains brick fragments. No hydrocarbon or solvent odor (60-30-10). Fill.	
5				0.0		Fill		Moist, sandy SILT with gravel. Contains pieces of asphalt. Mottled gray and orange. No hydrocarbon or solvent odor (60-30-10). Fill.	
			40	0.0		SM		Moist, silty SAND with gravel. Medium brown. No hydrocarbon or solvent odor (25-65-10).	
10				0.0		SM		Wet, silty coarse to medium SAND with gravel. Medium brown and gray. No hydrocarbon or solvent odor (30-60-10).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
			75	0.1		SP		Wet, SAND with silt. Light gray. No hydrocarbon or solvent odor (10-90-0).	
15						CL		Wet, sandy SILT and CLAY. Gray. No hydrocarbon or solvent odor (85-15-0).	
						GP		Moist, silty GRAVEL with sand. Light gray. No hydrocarbon or solvent odor (30-20-50).	
				0.1		SM		Moist, sandy SILT with gravel. Mottled gray and orange. No hydrocarbon or solvent odor (75-20-5).	
						SM		Moist to wet, silty fine to medium SAND with gravel. Light gray. No hydrocarbon or solvent odor (30-65-5).	
20			100	0.1		SM-SP		Wet, silty medium to coarse SAND. Light gray. No hydrocarbon or solvent odor (20-80-0).	
						SM		Wet, silty SAND with gravel. Light gray to brown. No hydrocarbon or solvent odor (25-65-10).	
				0.3		SM		Moist, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-65-10).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
25			100	0.7		SM		Moist, sandy SILT with gravel. Light gray and brown. No hydrocarbon or solvent odor (20-70-10).	
						SM		Dry to moist, very dense, silty SAND and sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (20-65-15)/(65-20-15).	
				7.9		SM		Dry to moist, gravelly SAND with silt. Light gray. No hydrocarbon or solvent odor (20-55-25).	
30			100	7.5		SM		Sluff: Wet, gravelly SAND with silt and silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (20-55-25)/(30-55-15).	
				8.2		ML		Moist, dense, sandy SILT with clay and some gravel. Light gray. No hydrocarbon or solvent odor (35-60-5).	
						SM		Moist to dry, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-70-5).	
35				5.3		SM		Moist, silty to clayey SAND with gravel. Light gray. No hydrocarbon or solvent odor (30-65-5).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
40				7.3		SM		Moist, silty SAND with some gravel. Light gray. No hydrocarbon odor (35-60-5).	
				10.9		ML		Moist, dense, sandy SILT with gravel. Gray. No hydrocarbon or solvent odor (70-25-5).	
45				0.2		SM		Moist, dense, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-70-5).	
				1.4		SM		Moist, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (30-65-5).	

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 66 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).
Page:		4 of 6



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
50				3.0		SM		Moist, gravelly SAND with silt. Light gray. No hydrocarbon or solvent odor (20-55-25).	
						SM		Moist, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (35-60-5).	
				0.5		ML		Moist, dense, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (60-30-10).	
55				0.3		ML		Moist, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (70-20-10).	
				0.3		ML		Moist, dense, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (70-25-5).	
60				2.0					

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
60								No recovery	
65						ML		Moist, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (60-30-10).	
70									

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 66 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).
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Photograph 1. Sonic core of injection well IW01 from approximately 0 to 15 feet bgs.



Photograph 2. Sonic core of injection well IW01 from approximately 15 to 25 feet bgs.



Photograph 3. Sonic core of injection well IW01 from approximately 25 to 35 feet bgs.



Photograph 4. Sonic core of injection well IW01 from approximately 35 to 45 feet bgs.



Photograph 5. Sonic core of injection well IW01 from approximately 45 to 55 feet bgs.



Photograph 6. Sonic core of injection well IW01 from approximately 55 to 66 feet bgs.



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0						Concrete		Concrete surface.	
				0.1		Fill		Moist, SAND with gravel. Brown. No hydrocarbon or solvent odor (0-70-30). Fill.	
5						Fill		Moist, SAND with gravel. Brown. No hydrocarbon or solvent odor (0-70-30). Fill.	
				0.3		Fill		Moist, SAND with gravel and silt. Gray. No hydrocarbon or solvent odor (10-80-10).	
10						Fill		Moist, SAND with gravel and trace silt. Gray. No hydrocarbon or solvent odor (5-85-10).	
				0.1					
				0.9					
15						Fill		Moist, SAND with gravel and trace silt. Gray. No hydrocarbon or solvent odor (5-85-10).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 75 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (10-70-20): Estimated percentages by volume (silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
20				1.8		SM		Moist, silty SAND. Medium brown and gray. No hydrocarbon or solvent odor (10-90-0).	
25				0.0	IW06-25	SM		Moist, silty fine to medium SAND with gravel. Medium brown and grayish. No hydrocarbon or solvent odor (20-70-10).	
						SM		Moist, dense, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (15-70-15).	
30				0.0	IW06-30	SM		Moist, dense, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-70-10).	

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 75 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (10-70-20): Estimated percentages by volume (silt-sand-gravel).
Page:		2 of 5



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
35				0.0		SM		Moist, dense, gravelly medium SAND with silt. Dark gray. No hydrocarbon or solvent odor (10-70-20).	
						SM		Moist, gravelly SAND with silt. Becomes coarser with increasing depth. Dark gray. No hydrocarbon or solvent odor (10-65-25).	
40				0.0	IW06-40	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-70-10).	
						SM		Moist, silty fine to medium SAND with gravel. Dark gray. No hydrocarbon or solvent odor (25-65-10).	
						SM		Wet, medium to coarse SAND with silt and gravel. Dark gray. No hydrocarbon or solvent odor (10-80-10).	
45				0.0					

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 75 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (10-70-20): Estimated percentages by volume (silt-sand-gravel).
Page:		3 of 5



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
50				0.0	IW06-50	SM		Moist, dense, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-65-10).	
						ML		Moist, sandy SILT with gravel. Dark gray. No hydrocarbon or solvent odor (60-30-10).	
55				0.0	IW06-55	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-60-20).	
						SM		Wet, SAND with silt and trace gravel. Dark gray. No hydrocarbon or solvent odor (10-85-5).	
60				0.0	IW06-60	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15).	

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 75 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (10-70-20): Estimated percentages by volume (silt-sand-gravel).
Page:		4 of 5



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
65				0.0	IW06-65	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon odor (25-60-15).	
70				0.0	IW06-70	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15).	
						SM		Wet, gravelly SAND with silt. Dark gray. No hydrocarbon or solvent odor (10-85-15).	
75					IW06-75	ML		Moist, sandy SILT with gravel. Gray. No hydrocarbon or solvent odor (55-35-10).	
								End of boring at 75 ft bgs. Temporary injection well IW06 installed to ~75 feet bgs. EOS injected into temporary well before the well was abandoned and backfilled with bentonite chips.	
80									

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 75 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (10-70-20): Estimated percentages by volume (silt-sand-gravel).

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE12460

Construction/Decommission

Construction
 Decommission ORIGINAL INSTALLATION Notice of Intent Number _____

Type of Well
 Resource Protection
 Geotechnical Soil Boring

Consulting Firm Sound Earth Strategies

Property Owner 700 Dexter LLC
 Site Address 700 Dexter
 City Seattle County King

Unique Ecology Well ID Tag No. BIX-340

Location 1/4 SW 1/4 NE Sec. 30 TWN 25N R. 4E or WWM EWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,l,r still Required) Lat Deg. x Lat Min/Sec x
 Long Deg. x Long Min/Sec x

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No. 0

Driller Trainee Name (Print) James Goble
 Driller/Trainee Signature _____
 Driller/Trainee License No. 3131

Cased or Uncased Diameter 14" - 0" - 40" Static Level 16'
8" - 40" - 80"

If trainee, licensed driller's Signature and License No. _____

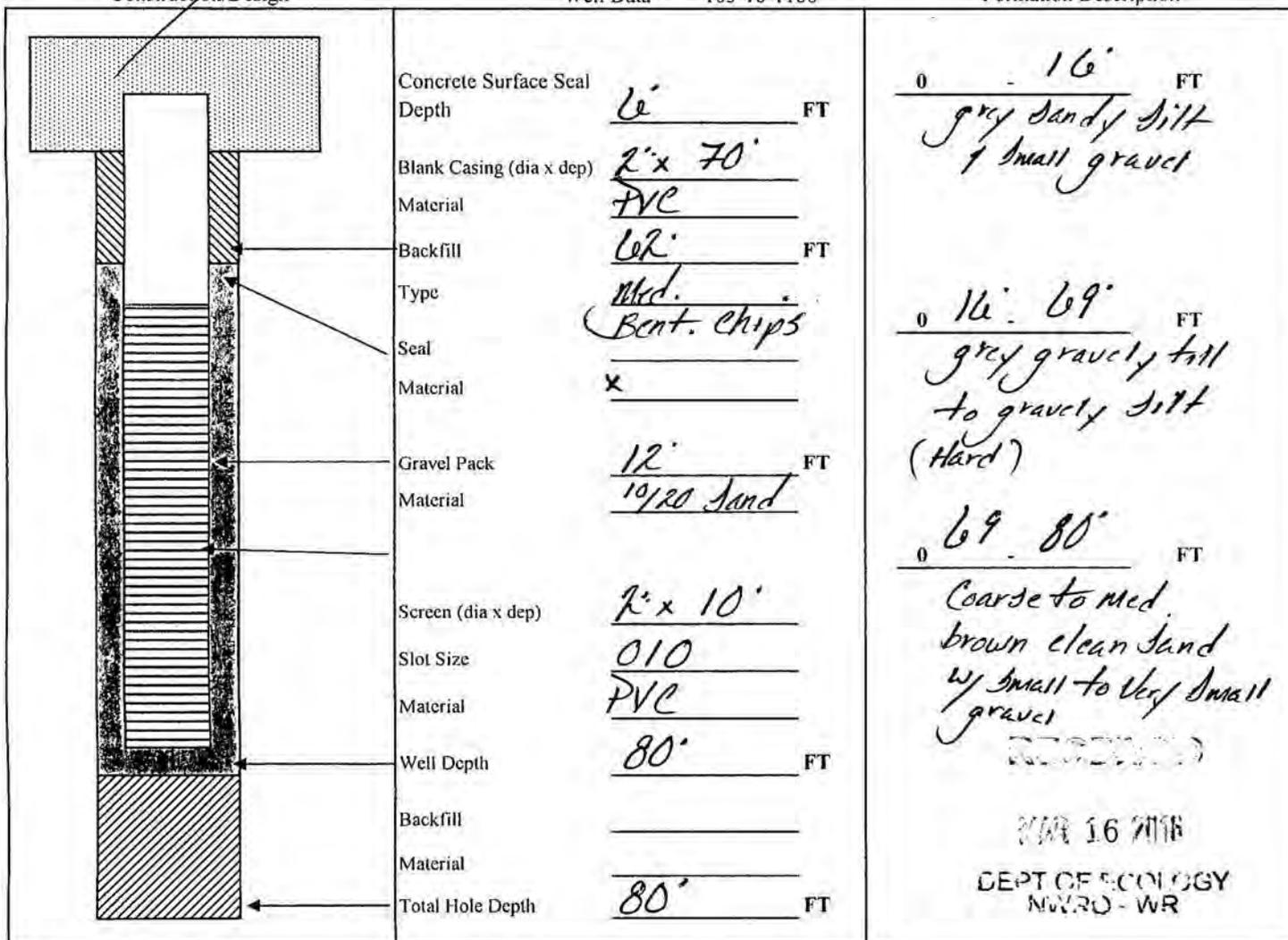
Work/Decommission Start Date 3-1-16

Work/Decommission End Date 3-2-16

Construction/Design

Well Data 103-16-1166

Formation Description



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE12460

Construction/Decommission

Construction
 Decommission ORIGINAL INSTALLATION Notice of Intent Number _____

Type of Well
 Resource Protection
 Geotechnical Soil Boring

Consulting Firm Sound Earth Strategies

Property Owner 700 Dexter LLC
 Site Address 700 Dexter
 City Seattle County King

Unique Ecology Well ID BIX 341
 Tag No. _____

Location 1/4 SW 1/4 NE Sec 30 TWN 25N R 4E or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards.

Lat/Long (s,l,r still Required) Lat Deg x Lat Min/Sec x
 Long Deg x Long Min/Sec x

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No. 0

Driller Trainee Name (Print) James Goble
 Driller/Trainee Signature _____
 Driller/Trainee License No. 3131

Cased or Uncased Diameter 14" - 0' - 40"
8" 10' - 56" Static Level 14'

Work/Decommission Start Date 3-3-16

If trainee, licensed driller's Signature and License No. _____

Work/Decommission End Date 3-4-16

Construction/Design

Well Data 103-16-1166

Formation Description

	Concrete Surface Seal Depth	<u>6'</u> FT	0 - <u>16'</u> FT
	Blank Casing (dia x dep)	<u>2" x 44'</u>	grey silty sand to sandy silt w/ small gravel
	Material	<u>Pvc</u>	
	Backfill	<u>36'</u> FT	0 - <u>16' 56'</u> FT
	Type	<u>Med. Reat chips</u>	grey gravelly Till w/ small areas of sandy gravelly silt
	Seal	<u>x</u>	
	Material	<u>x</u>	
	Gravel Pack	<u>12'</u> FT	0 - _____ FT
	Material	<u>10/20 Sand</u>	
	Screen (dia x dep)	<u>2" x 10'</u>	
Slot Size	<u>010</u>		
Material	<u>PVC</u>		
Well Depth	<u>54'</u> FT		
Backfill	<u>2'</u>		
Material	<u>10/20 Sand</u>		
Total Hole Depth	<u>56'</u> FT		

RECEIVED
MAR 16 2016
 DEPT OF ECOLOGY
 NWRO - WR

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

PROJECT: **Former CP 5353 (1396)**
 LOCATION: **600 Westlake Ave N., Seattle WA**
 PROJECT NUMBER: **01CP.01396.60**

WELL / PROBEHOLE / BOREHOLE NO:

MW-210 PAGE 1 OF 1



DRILLING: STARTED **10/10/08** COMPLETED: **10/10/08**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Cascade Drilling**
 DRILLING EQUIPMENT: **HSA**
 DRILLING METHOD: **Split Spoon**
 SAMPLING EQUIPMENT:

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **9 10/14/08** BOREHOLE DEPTH (ft): **20.0**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft): **20.0**
 WELL CASING DIAMETER (in): **2** BOREHOLE DIAMETER (in): **14**
 LOGGED BY: **SM** CHECKED BY: **DH**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			SAND WITH GRAVEL ; dark gray; fill material, concrete							Concrete
										Bentonite
5		ML	SAND SOME CLAY WITH ROOTS ML		-			0.3	5	
			Wood debris		-			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		-		5 8 11	0	20	Sand
			Borehole terminated at 20 feet.							

LOG OF BORING NO. B-201

Figure No. A-2

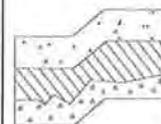
Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 22.5 Ft., 45.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
0		FILL: Brown silty SAND with gravel, fine grained, moist. (SM)					
5		Cuttings appeared wet between samples.	Loose			7	12.4
10		Gray silty SAND with gravel, fine grained, moist. (SM) (Till)				52	11.7
15		Increased drilling resistance at 13 feet. Lightly mottled.				83	9.9
20		DRAFT	Very Dense			50/3"	6.5
25						50/6"	7.4
30				Becomes fine to medium grained.			

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



Terra Associates, Inc.
 Consultants in Geotechnical Engineering
 Geology and
 Environmental Earth Sciences

LOG OF BORING NO. B-201

Figure No. A-2

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

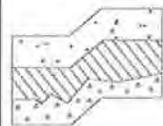
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 22.5 Ft., 45.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
30		Becomes fine grained.	Very Dense					
35							50/6"	13.5
40							50/4"	12.5
45		Wet.					50/4"	11.0
50		Gray SAND, medium grained, wet. (SP)					50/3"	10.5
55		Boring terminated at 50.5 feet. Perched groundwater at 22.5 feet. Groundwater at 45.5 feet.				50/5"	10.0	
60								

DRAFT

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LOG OF BORING NO. B-202

Figure No. A-3

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

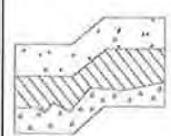
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 20 Ft., 30.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
0		(6-inch CONCRETE SLAB)					
5		FILL: Brown silty SAND with gravel, fine grained, moist, silty lenses. (SM)	Medium Dense			17	10.0
10						24	14.1
15		Brown silty SAND with gravel and GRAVEL with sand and silt, medium grained, wet to saturated. (SM/GM) (Weathered till)	Dense			36	15.3
20			Medium Dense			22	10.5
25		Gray silty SAND with gravel, fine grained, moist. (SM) (Till)	Very Dense			56	12.5
30							

DRAFT

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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LOG OF BORING NO. B-202

Figure No. A-3

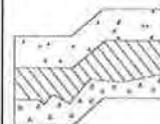
Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 20 Ft., 30.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
30		Gray SAND, fine grained, wet. (SP)	Dense			46	11.2	
35		DRAFT	Very Dense			50/3"	9.6	
40						50/5"	17.6	
45				Gray SAND with silt, fine grained, moist to wet. (SP/SM)			50/6"	13.0
50				Gray SILT with sand, fine grained, moist. (ML)			50/6"	20.1
50.5		Boring terminated at 50.5 feet. Perched groundwater at 20 feet and 30.5 feet.						
60								

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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LOG OF BORING NO. B-203

Figure No. A-4

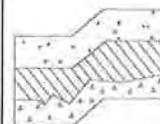
Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 23.5 Ft., 55 Ft. Approx. Elev: N/A

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
0		(2 to 3 inches ASPHALT) FILL: Gray silty SAND with gravel, fine grained, moist. (SM) Brick fragments					
5		FILL: Brown SILT with sandy lenses, fine grained, moist with wet lenses, wood debris. (ML)	Loose			7	14.8
10		DRAFT	Very Loose			3	47.2
15						2	30.2
20		Gray silty SAND with gravel and sandy SILT, fine grained, medium grained SAND lenses, moist. (SM/ML) (Weathered till)	Medium Dense			13	18.3
25		Gray SAND, medium to coarse grained, wet. (SP) (Till, ice contact)				24	13.5
30		Gray sandy SILT, moist. (ML)	Dense to Very Dense				
30		Gray silty SAND and sandy SILT, fine grained, moist. (SM/ML)				53	19.2
35		Gray SAND, medium grained, wet, silty lenses. (SP)				45	13.5
40		Tan silty GRAVEL with coarse grained SAND, moist. (GM)				51	13.4

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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LOG OF BORING NO. B-203

Figure No. A-4

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

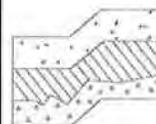
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 23.5 Ft., 55 Ft. Approx. Elev: N/A

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
45		Gray SAND, fine to medium grained, moist to wet. (SP)	Very Dense				10.7	
		Tan and gray silty SAND with gravel, moist, mottled. (SM) (Till)						
50		Becomes gray.						10.9
55		Wet.						
60								15.7
65		Moist.						12.9
70								10.7
75								9.4
80							13.9	
		Boring terminated at 80.5 feet. Perched groundwater at 23.5 feet and 55 feet.						
85								

DRAFT

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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LOG OF BORING NO. B-204

Figure No. A-5

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

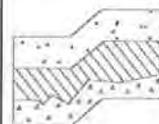
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 16.5 Ft., 38 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
0		(6-inch CONCRETE SLAB) FILL: Brown silty SAND with gravel, fine grained, moist. (SM) Metal debris	Loose				12.0	
5		FILL: Gray SAND with gravel and silt, fine to medium grained, moist. (SP-SM)				8		
10		Gray silty SAND and sandy SILT, fine grained, moist to wet. (SM) (Weathered till/ice contact)	Dense				9.2	
15		Saturated.				42		
20						48		
25		Gray silty SAND with gravel and sandy SILT, fine grained, moist, sandy lenses. (SM) (Till)	Very Dense				13.3	
30						41		
							12.7	

DRAFT

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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LOG OF BORING NO. B-204

Figure No. A-5

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

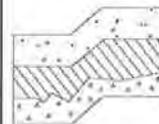
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 16.5 Ft., 38 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
30		<p>1-inch diameter gravel.</p> <p>Becomes siltier and wet.</p> <p>Moist to wet.</p> <p>Medium grained sand lenses.</p>	Very Dense					
35							50/6"	11.6
40							50/6"	7.5
45							50/4"	13.3
50							53	12.6
50.5		Boring terminated at 50.5 feet due to refusal. Perched groundwater at 16.5 ft. and 38 ft.				50/6"	13.5	
55								
60								

DRAFT

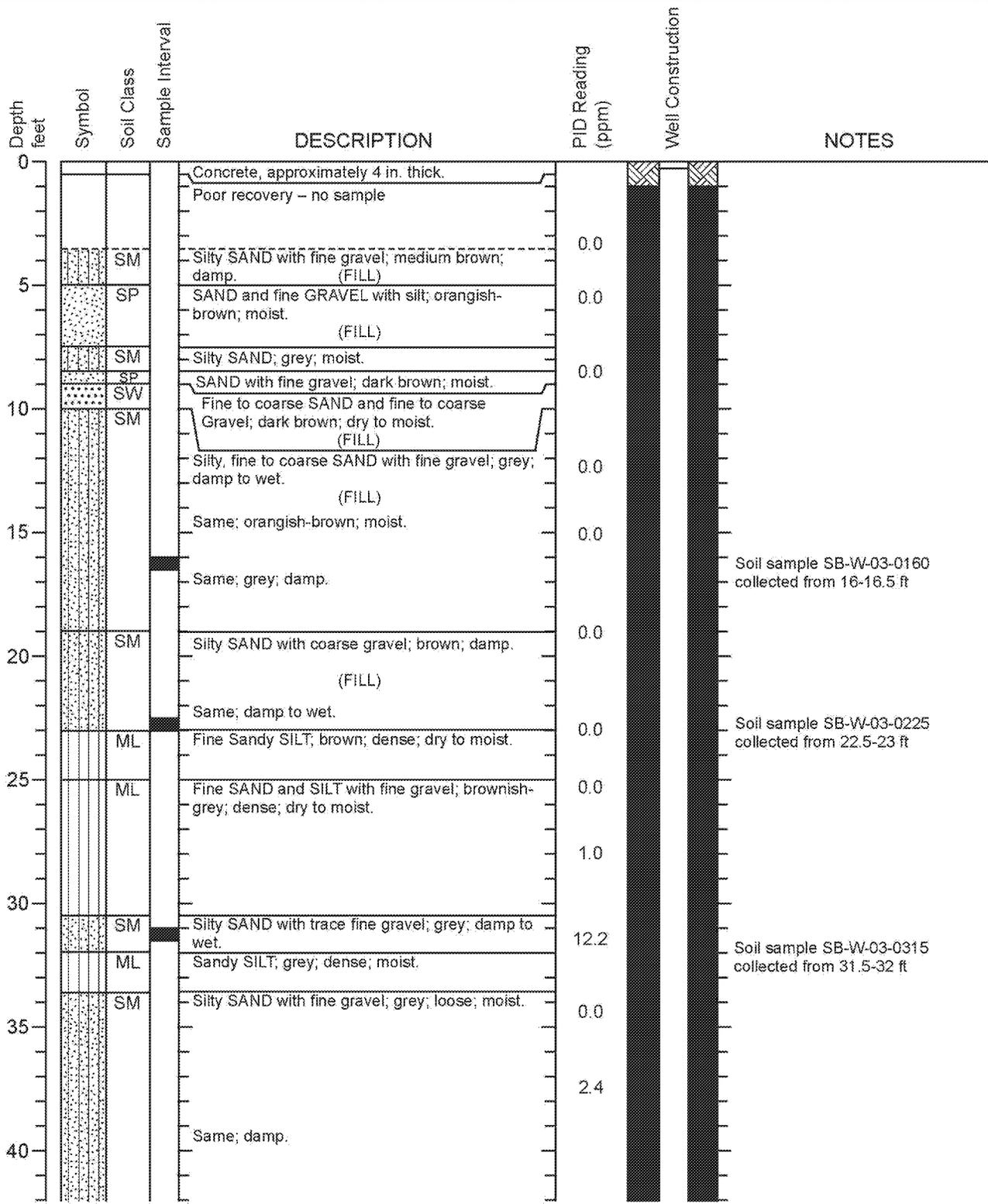
NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

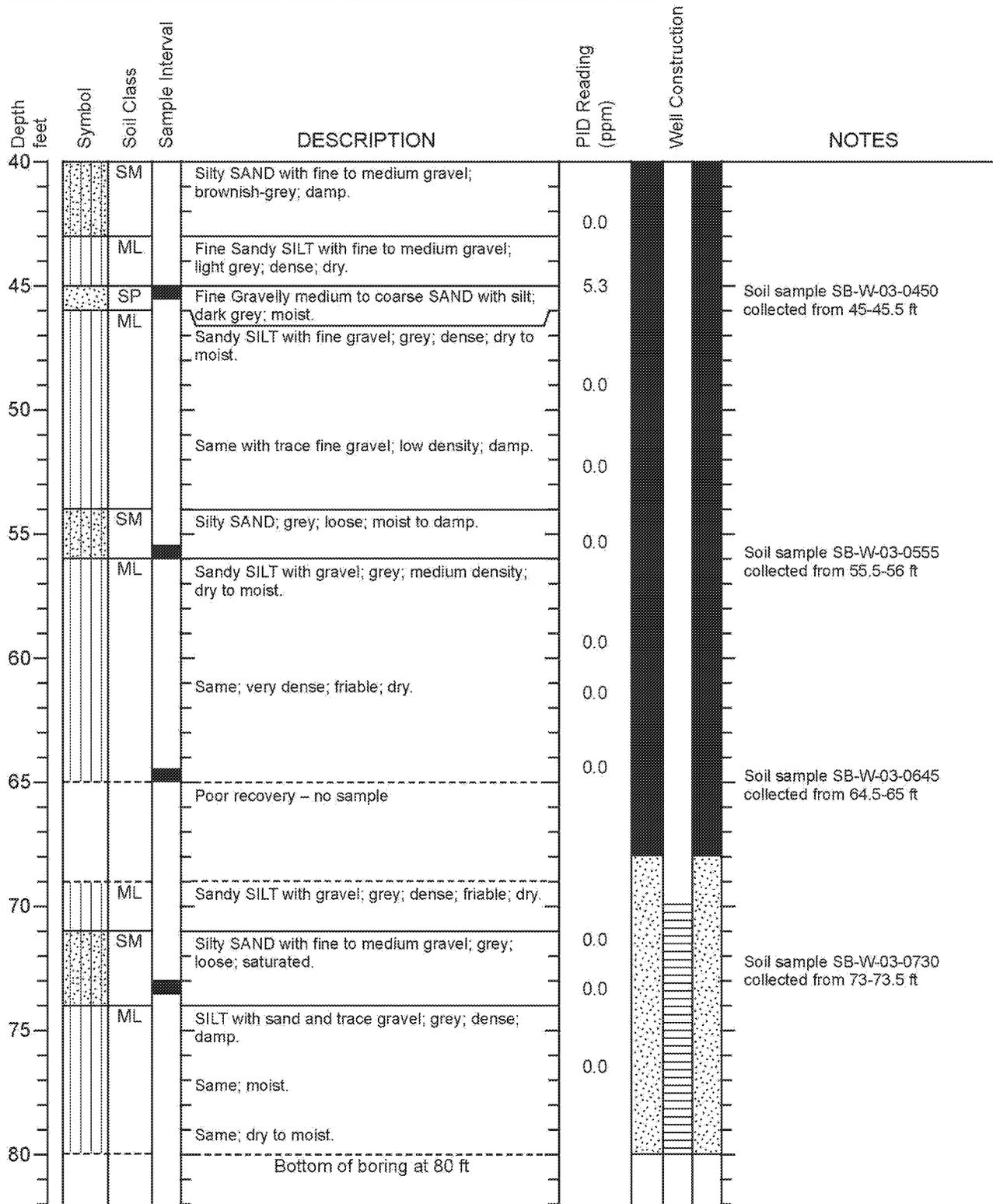
TOTAL DEPTH: 80 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/27/2012
 SURFACE ELEVATION: 45.38 ft, NAVD88



Boring P-03 / Well W-MW-01

DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

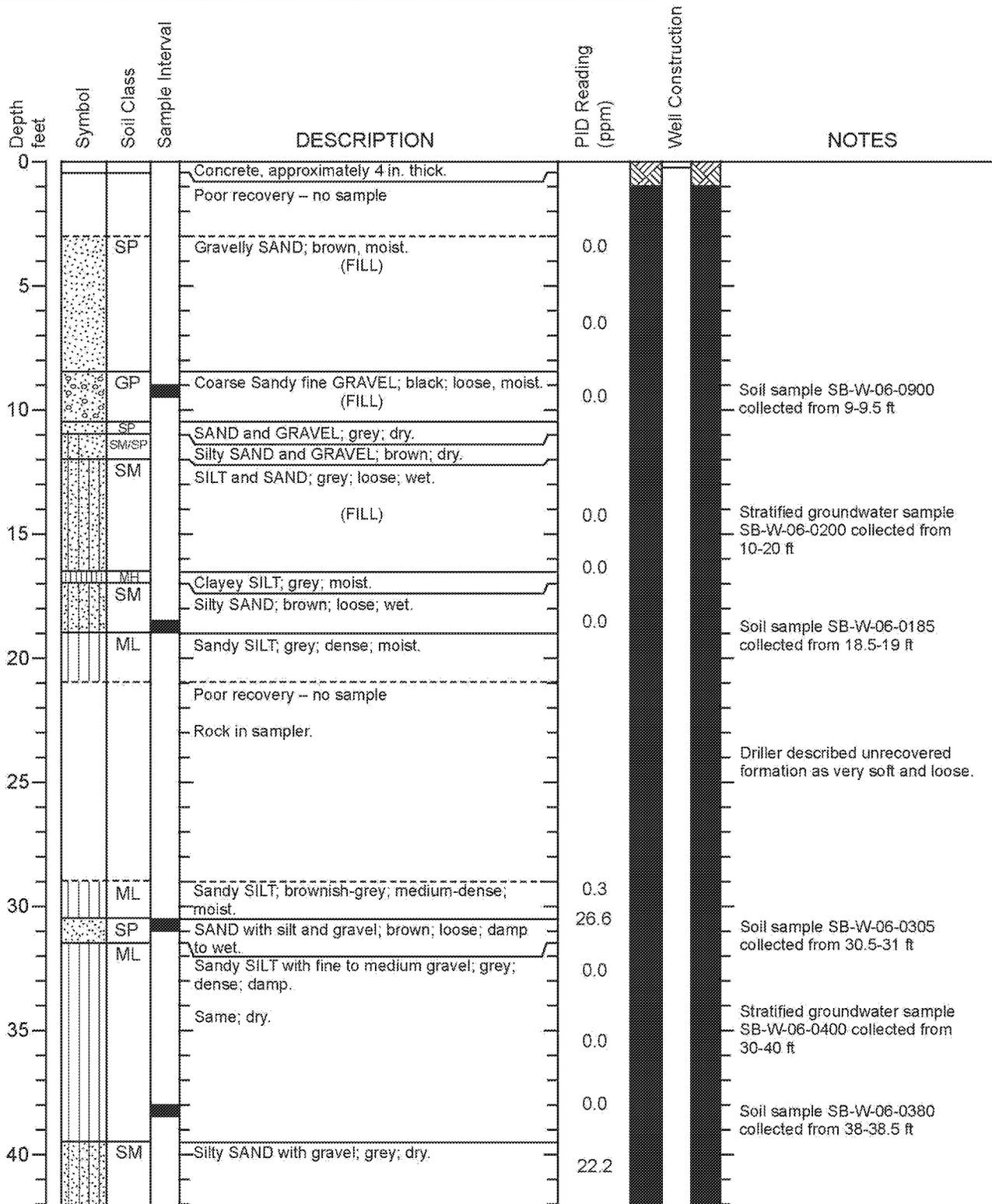
TOTAL DEPTH: 80 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/27/2012
 SURFACE ELEVATION: 45.38 ft, NAVD88



Boring P-03 / Well W-MW-01

DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

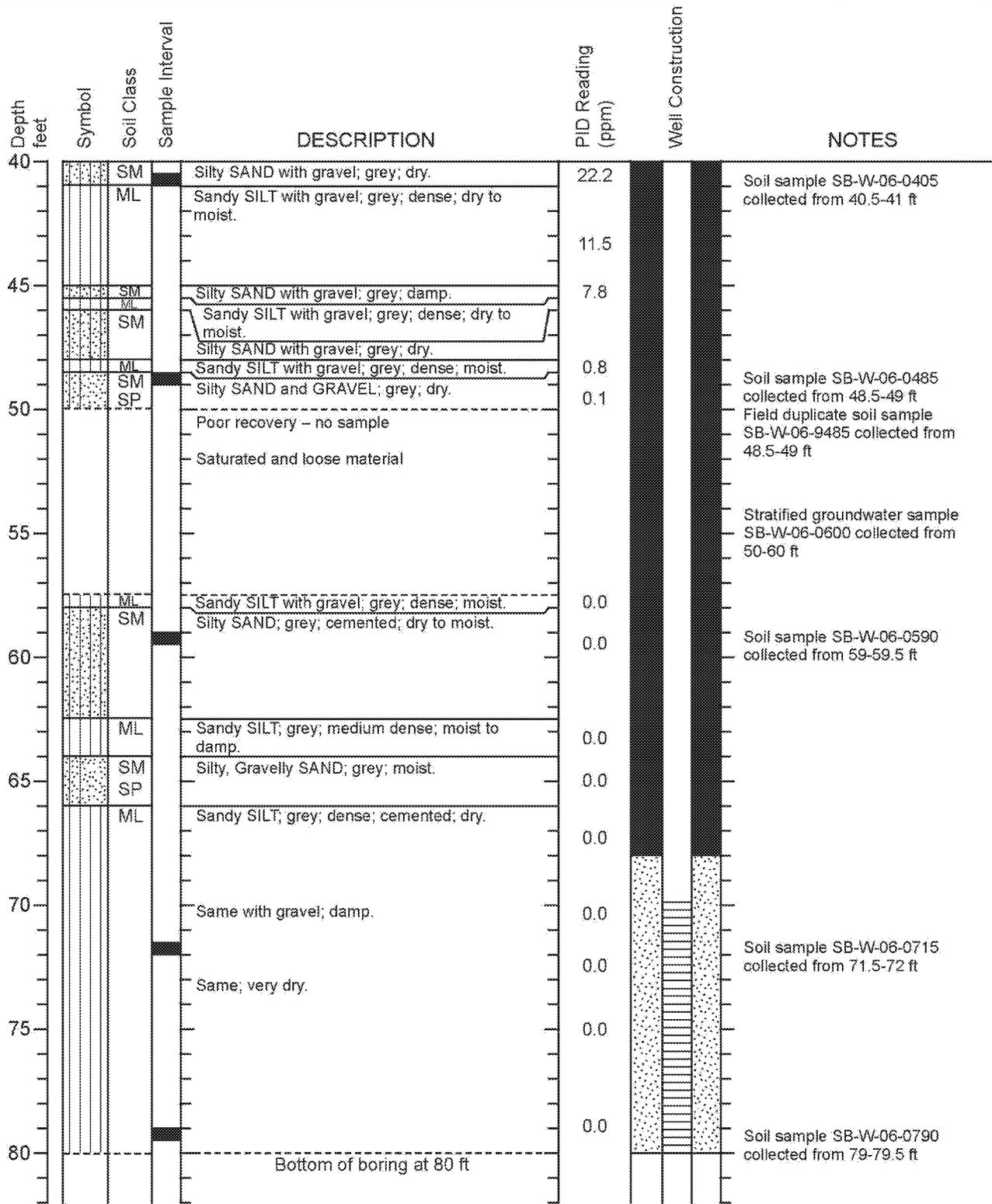
TOTAL DEPTH: 80 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/31/2012
 SURFACE ELEVATION: 43.72 ft, NAVD88



Boring P-06 / Well W-MW-02

DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

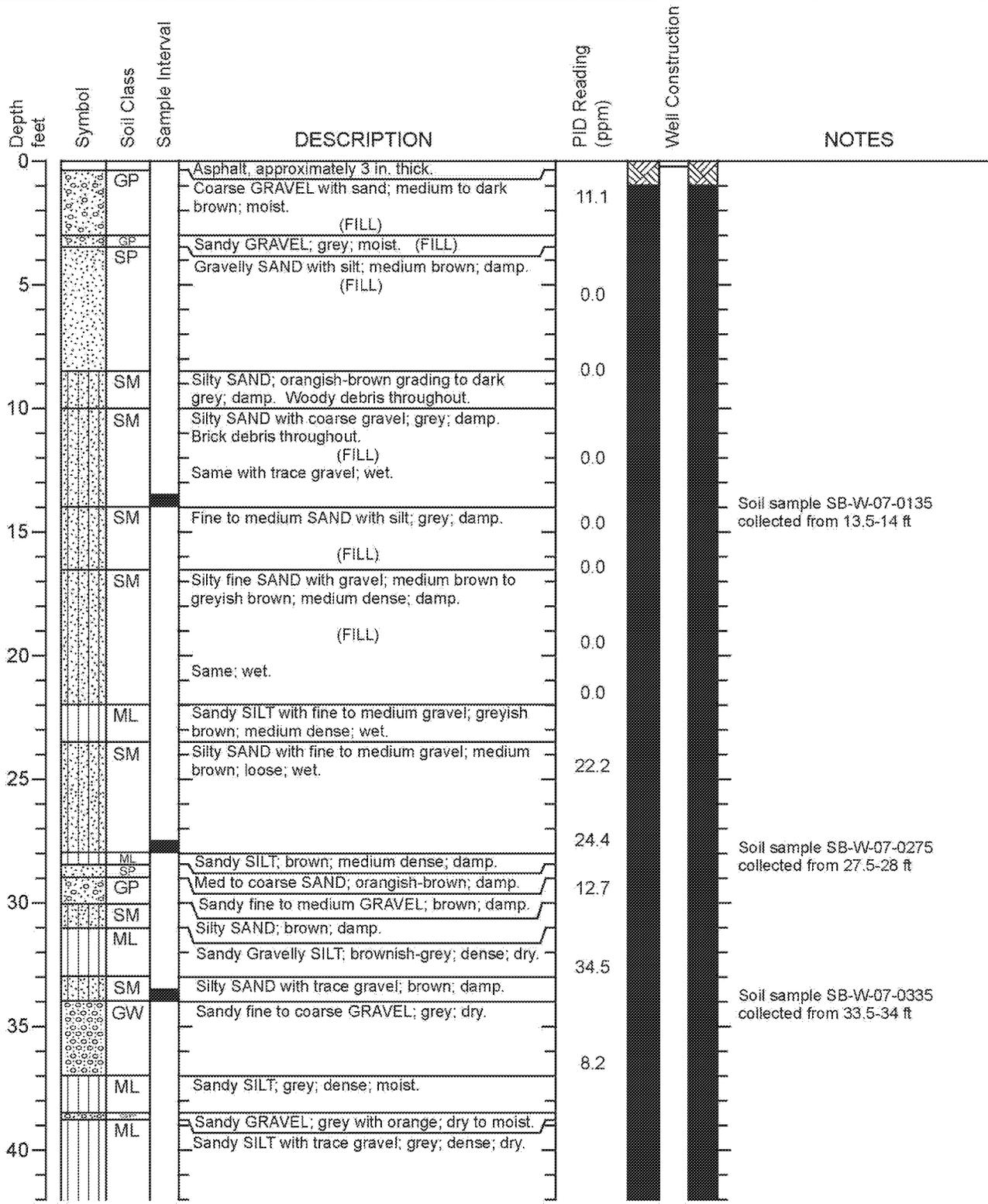
TOTAL DEPTH: 80 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/31/2012
 SURFACE ELEVATION: 43.72 ft, NAVD88



Boring P-06 / Well W-MW-02

DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

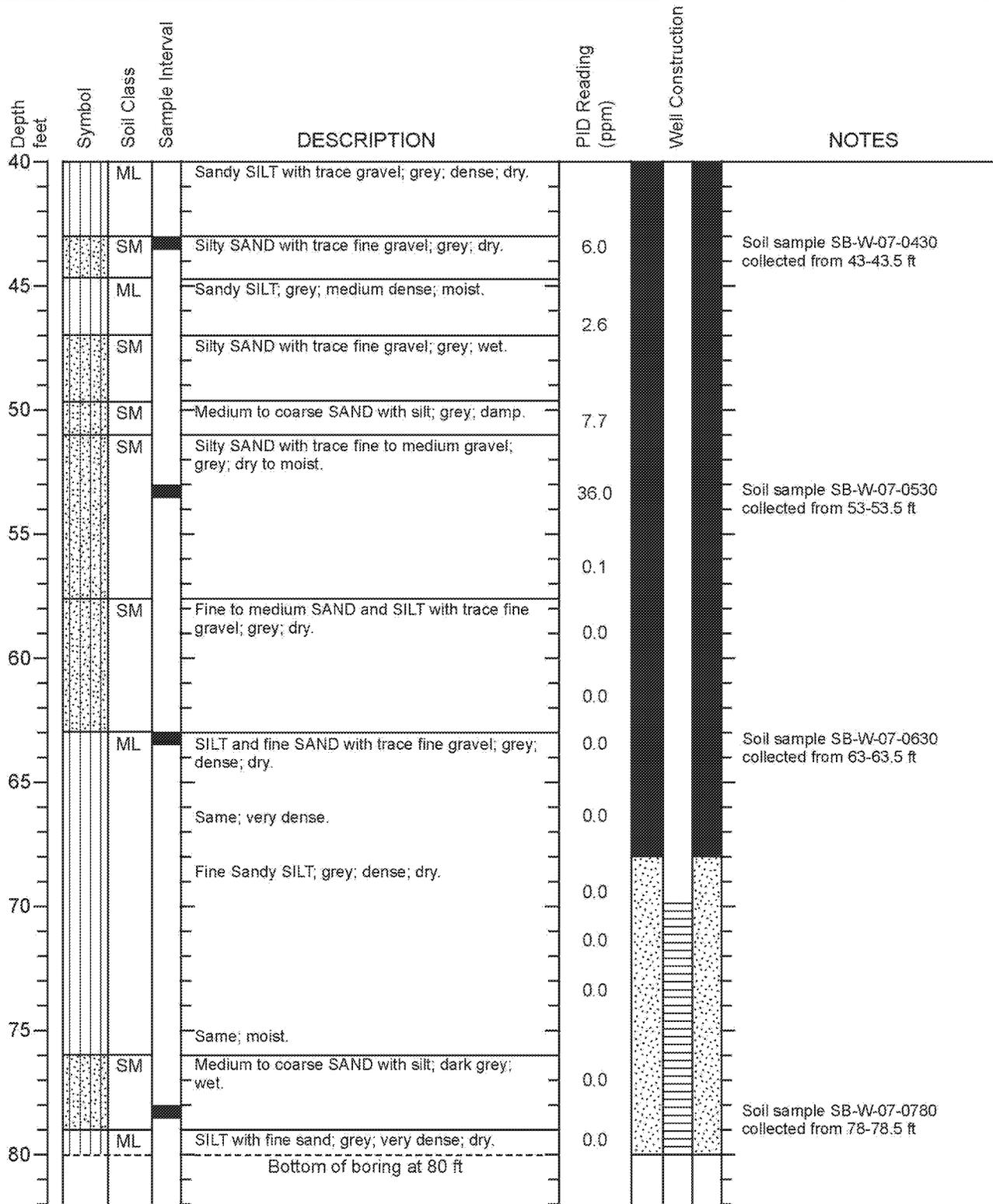
TOTAL DEPTH: 80 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/26/2012
 SURFACE ELEVATION: 39.55 ft, NAVD88



Boring P-07 / Well W-MW-03

DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

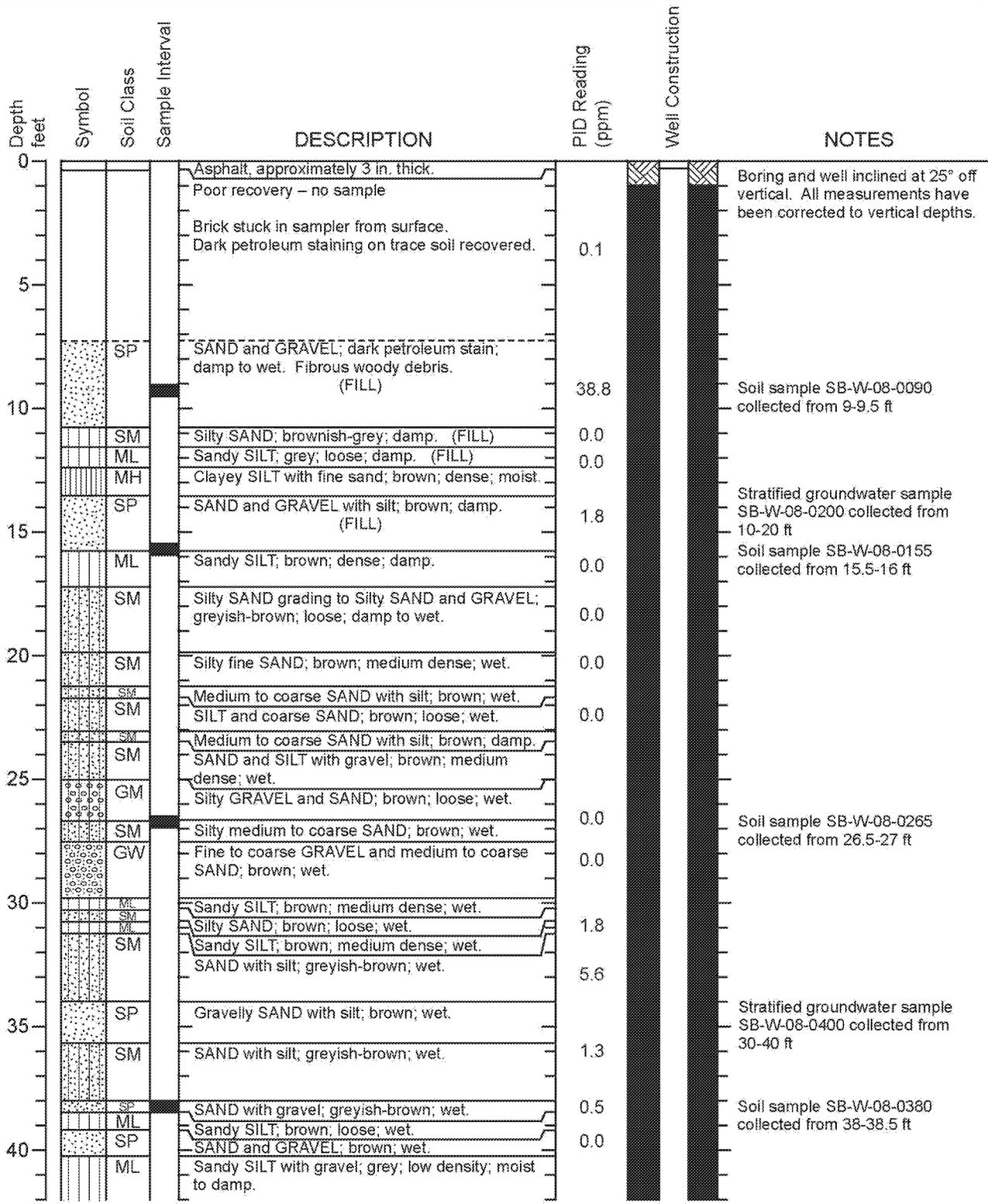
TOTAL DEPTH: 80 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/26/2012
 SURFACE ELEVATION: 39.55 ft, NAVD88



Boring P-07 / Well W-MW-03

DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

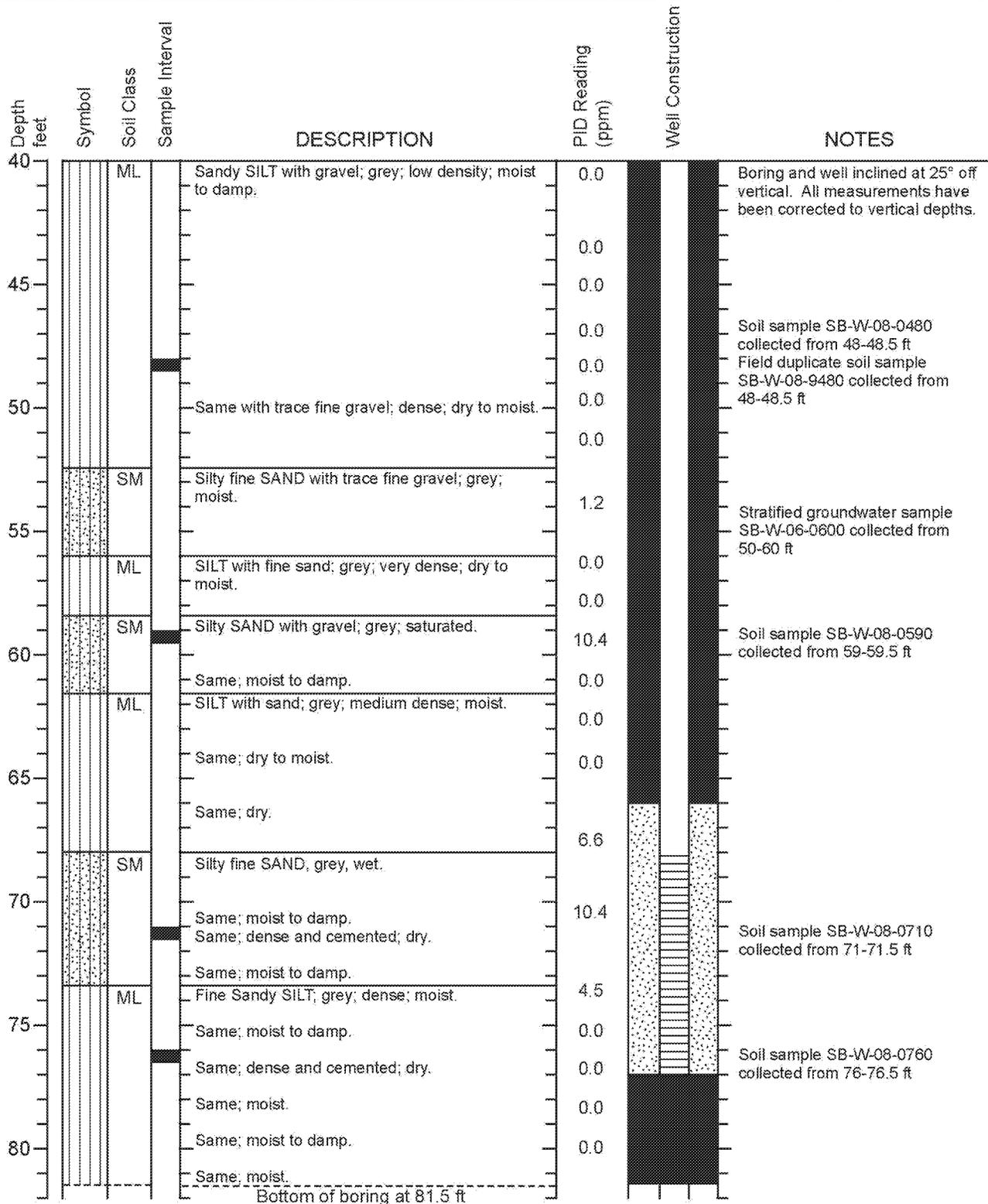
TOTAL DEPTH: 81.5 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/29/2012
 SURFACE ELEVATION: 35.87ft, NAVD88



Boring P-08 / Well W-MW-04

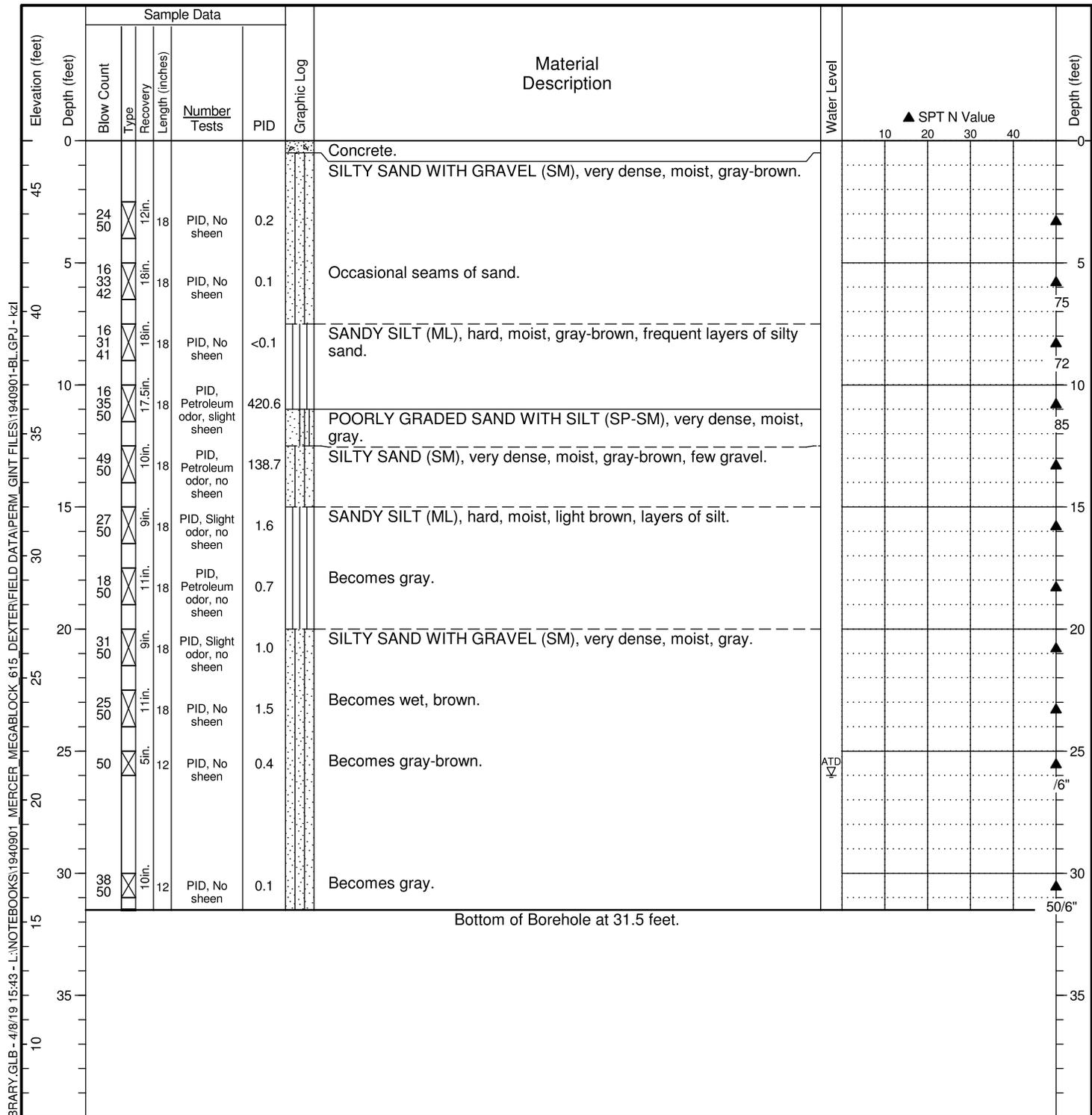
DRILLING CONTRACTOR: Boart Longyear
 DRILLING METHOD: Sonic, BL100C Mini Sonic
 SAMPLING METHOD: Continuous Coring
 LOGGED BY: IDY

TOTAL DEPTH: 81.5 ft
 BORING DIMENSION: 6 in. ID
 DATE COMPLETED: 01/29/2012
 SURFACE ELEVATION: 35.87ft, NAVD88



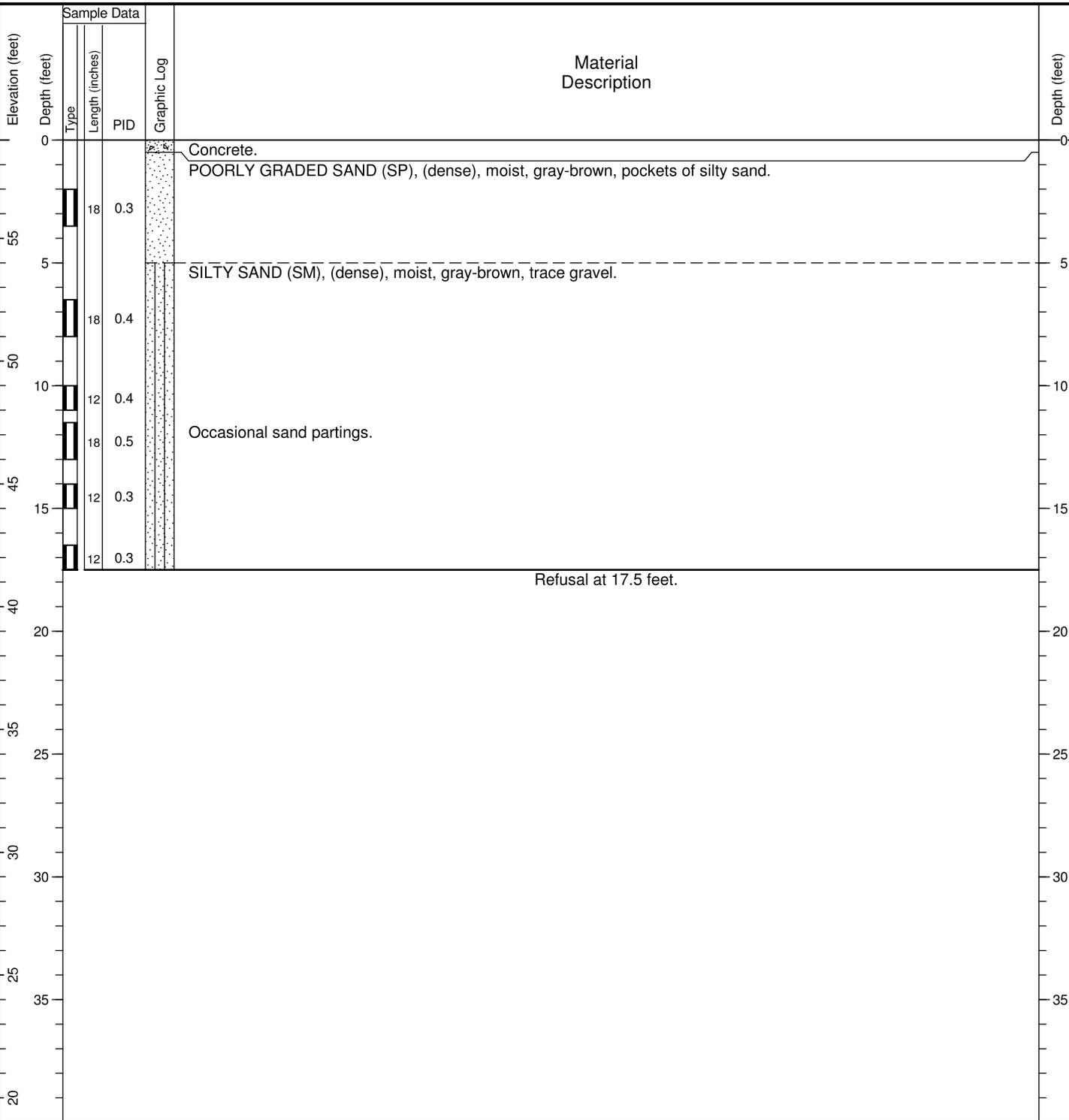
Boring P-08 / Well W-MW-04

Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625079 Long: -122.342671 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Horizontal Datum: Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: Casing Diameter: NA
 LOCATION Total Depth: 31.5 feet Depth to Groundwater: 26 feet



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 3. USCS designations are based on visual-manual identification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.

Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. McDonald Checked by: C. Kroskie Drilling Method: _____
 Location: Lat: 47.625168 Long: -122.342919 Rig Model/Type: GeoProbe® 7822DT
 Ground Surface Elevation: 59 feet Hammer Type: _____
 Horizontal Datum: _____ Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 17.5 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
3. USCS designations are based on visual-manual identification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 4/8/19 15:43 - L:\NOTEBOOKS\1940901 - MERCER MEGABLOCK 615 - DEXTERFIELD DATA\PERM. GINT FILES\1940901-BL.GPJ - kzi

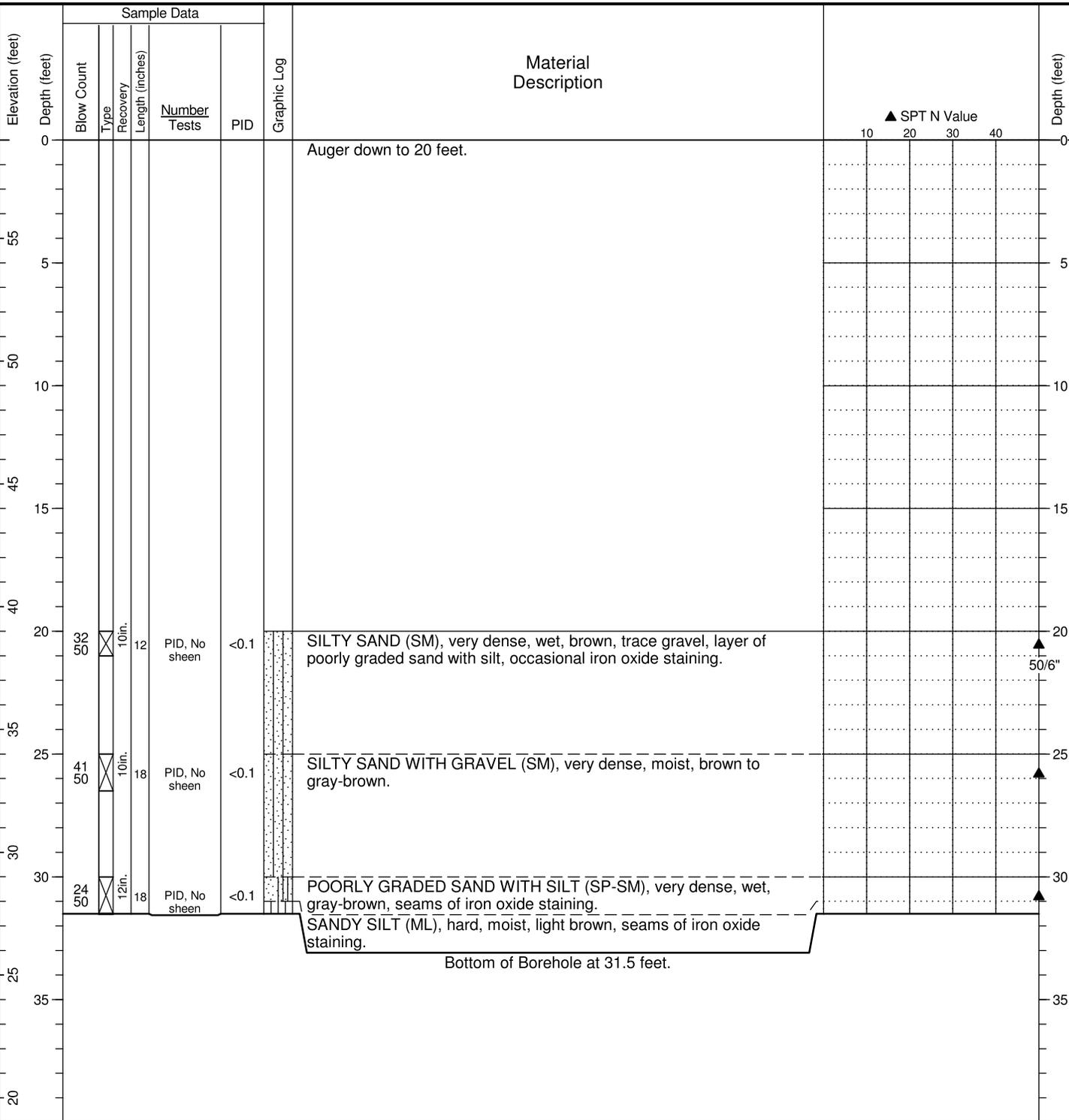


Project: Mercer Megablock
 Location: Seattle, WA
 Project No.: 19409-01

Push Probe Log
DGW-2

Figure **A-3**
 Sheet **1 of 1**

Date Started: 3/7/19 Date Completed: 3/7/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625168 Long: -122.342919 Rig Model/Type: _____
 Ground Surface Elevation: 59 feet Hammer Type: Auto-hammer
 Horizontal Datum: _____ Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 31.5 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
3. USCS designations are based on visual-manual identification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.

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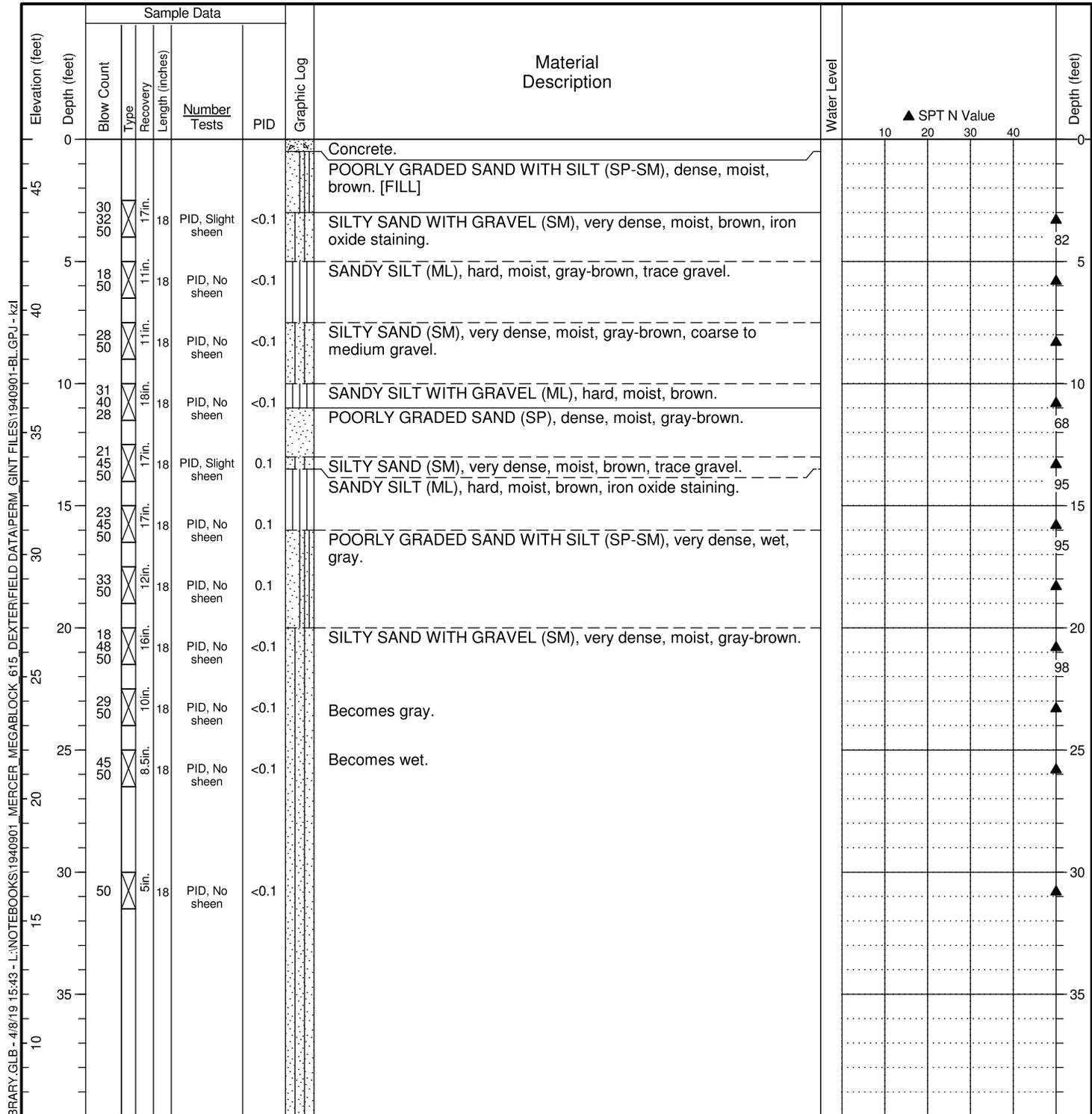


Project: Mercer Megablock
 Location: Seattle, WA
 Project No.: 19409-01

Boring Log
DGW-2 Redrill

Figure **A-4**
 Sheet **1 of 1**

Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625030 Long: -122.342780 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Horizontal Datum: Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: Casing Diameter: NA
 LOCATION Total Depth: 45 feet Depth to Groundwater: 41.5 feet



General Notes:

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
3. USCS designations are based on visual-manual identification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.



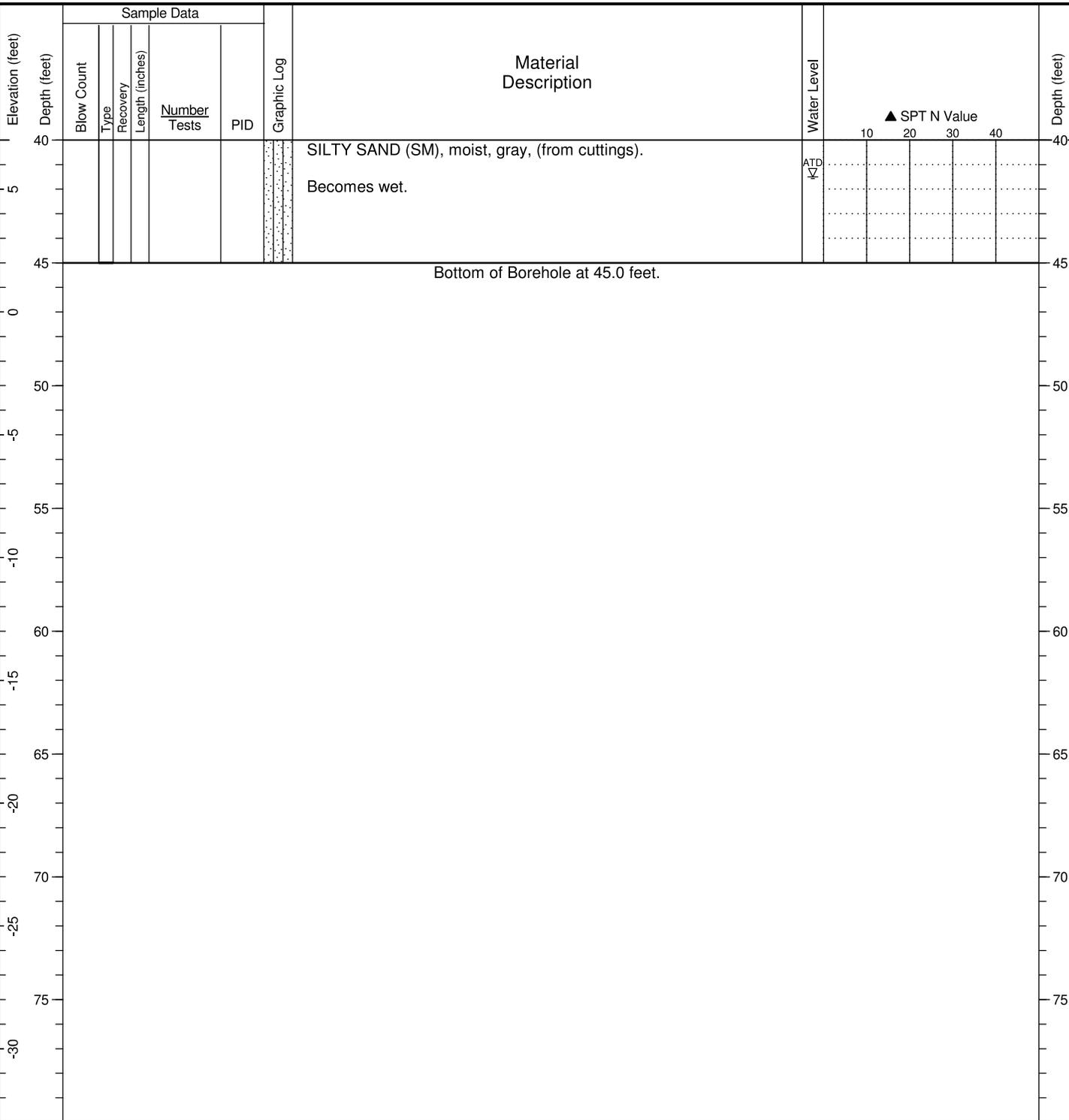
Project: Mercer Megablock
 Location: Seattle, WA
 Project No.: 19409-01

Boring Log
 DGW-3

Figure A-5
 Sheet 1 of 2

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 4/8/19 15:43 - L:\NOTEBOOKS\1940901 - MERCER_MEGABLOCK_615_DEXTERFIELD_DATA\PERM_GINT_FILES\1940901-BL.GPJ - kzl

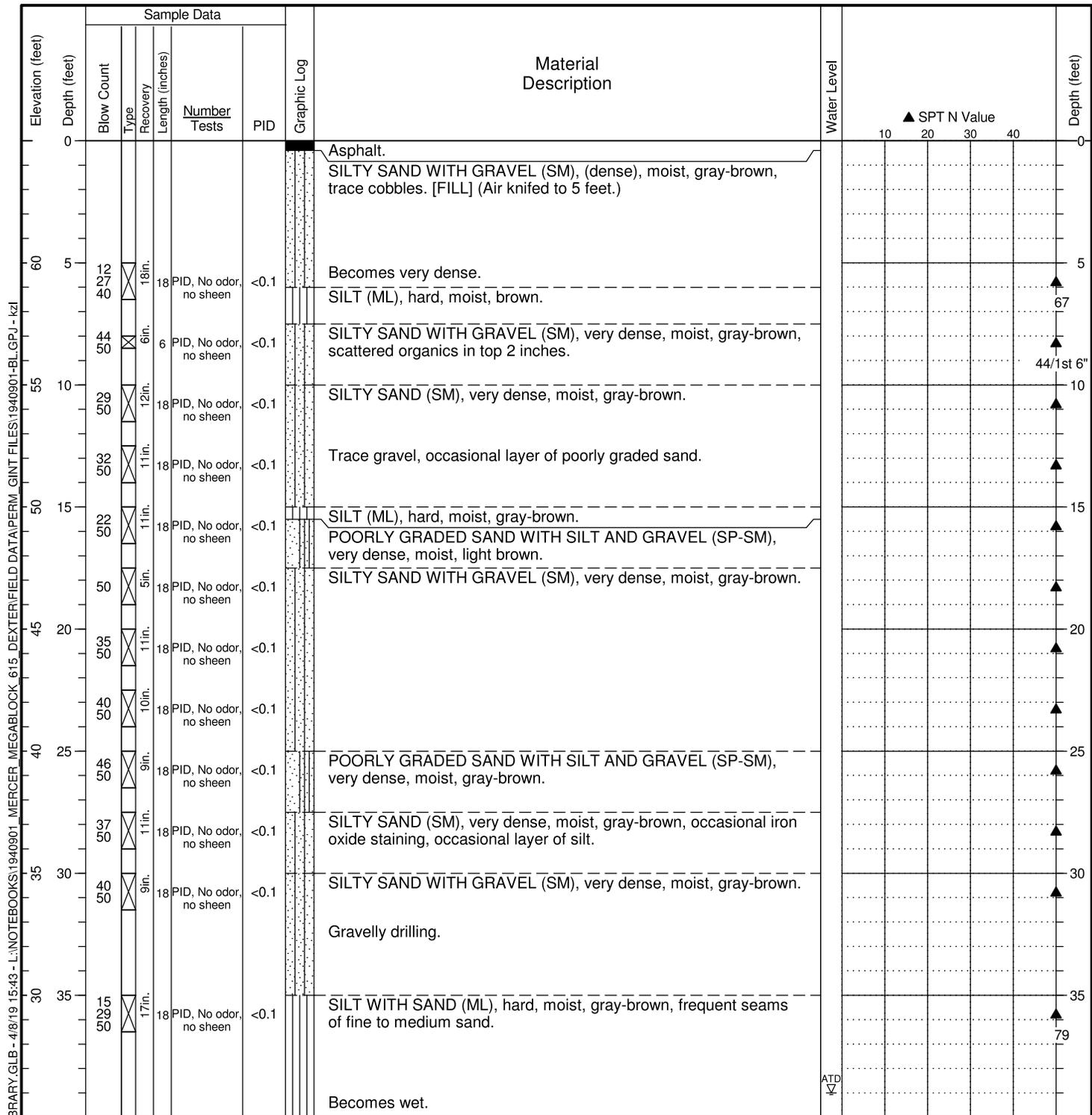
Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625030 Long: -122.342780 Rig Model/Type: _____
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Horizontal Datum: _____ Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 45 feet Depth to Groundwater: 41.5 feet



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 3. USCS designations are based on visual-manual identification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.

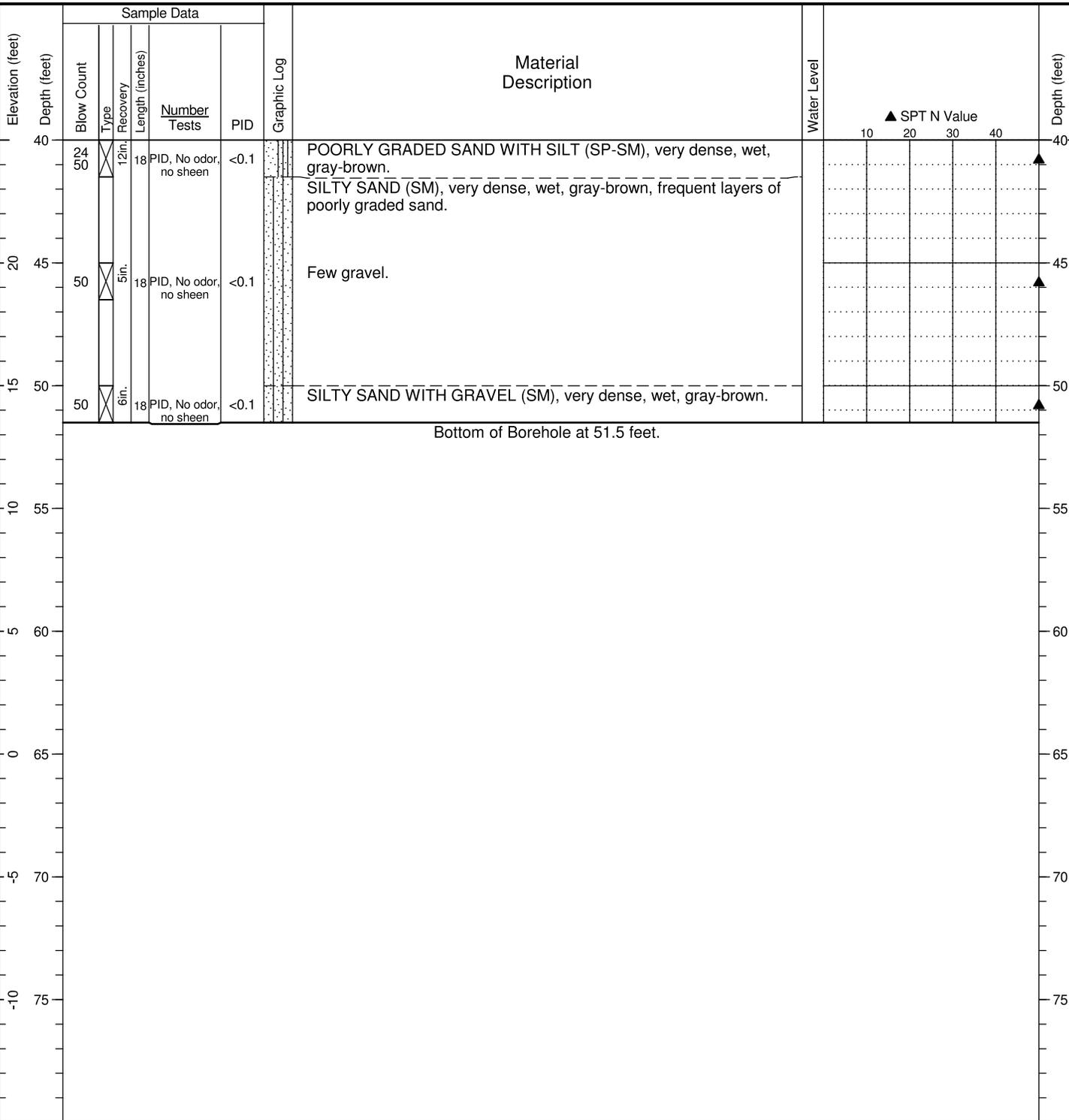
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Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624997 Long: -122.343344 Rig Model/Type:
 Ground Surface Elevation: 65 feet Hammer Type: Auto-hammer
 Horizontal Datum: Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: Casing Diameter: NA
 LOCATION Total Depth: 51.5 feet Depth to Groundwater: 39 feet



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 3. USCS designations are based on visual-manual identification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.

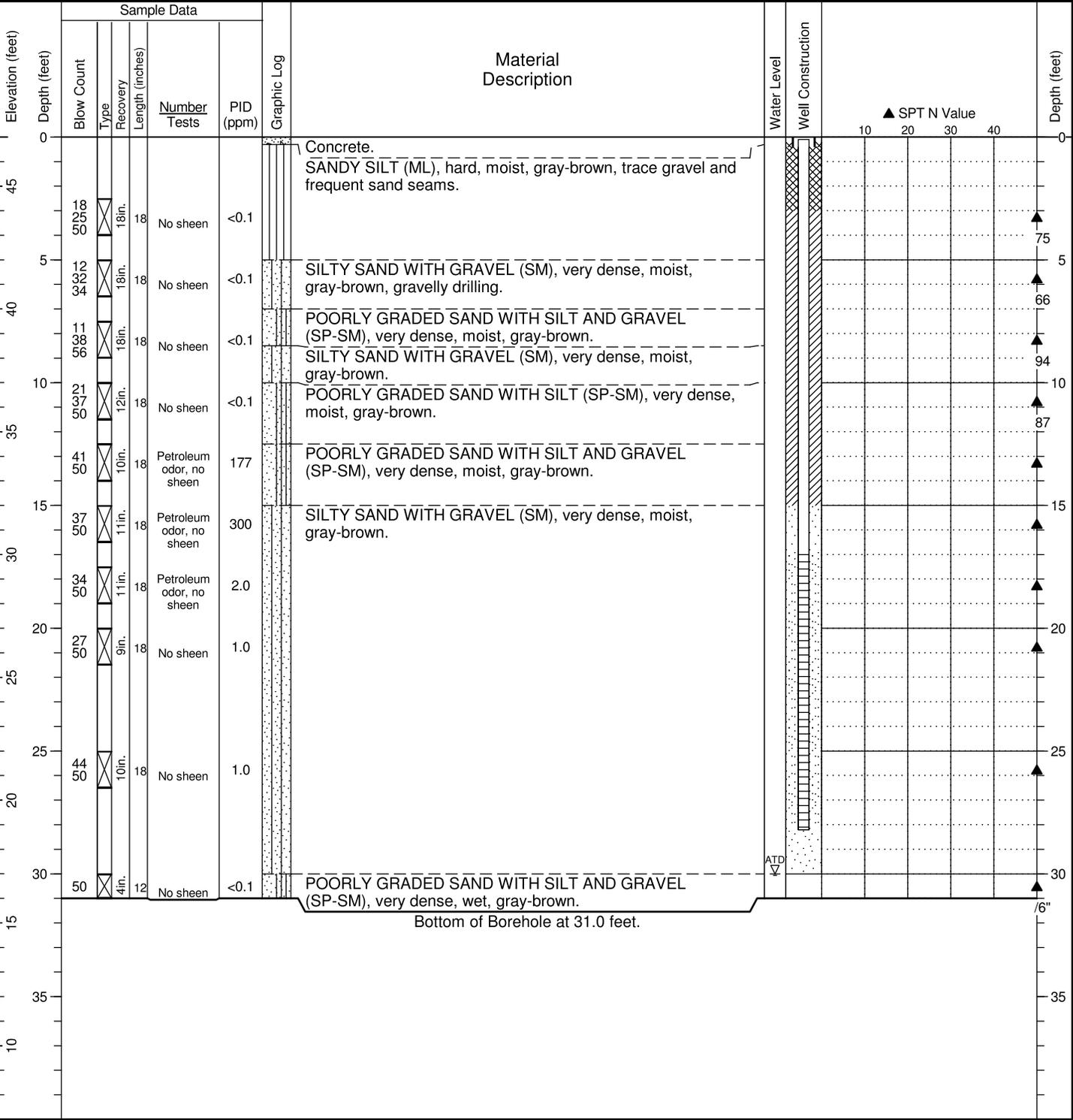
Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624997 Long: -122.343344 Rig Model/Type:
 Ground Surface Elevation: 65 feet Hammer Type: Auto-hammer
 Horizontal Datum: Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: Casing Diameter: NA
 LOCATION Total Depth: 51.5 feet Depth to Groundwater: 39 feet



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 3. USCS designations are based on visual-manual identification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.

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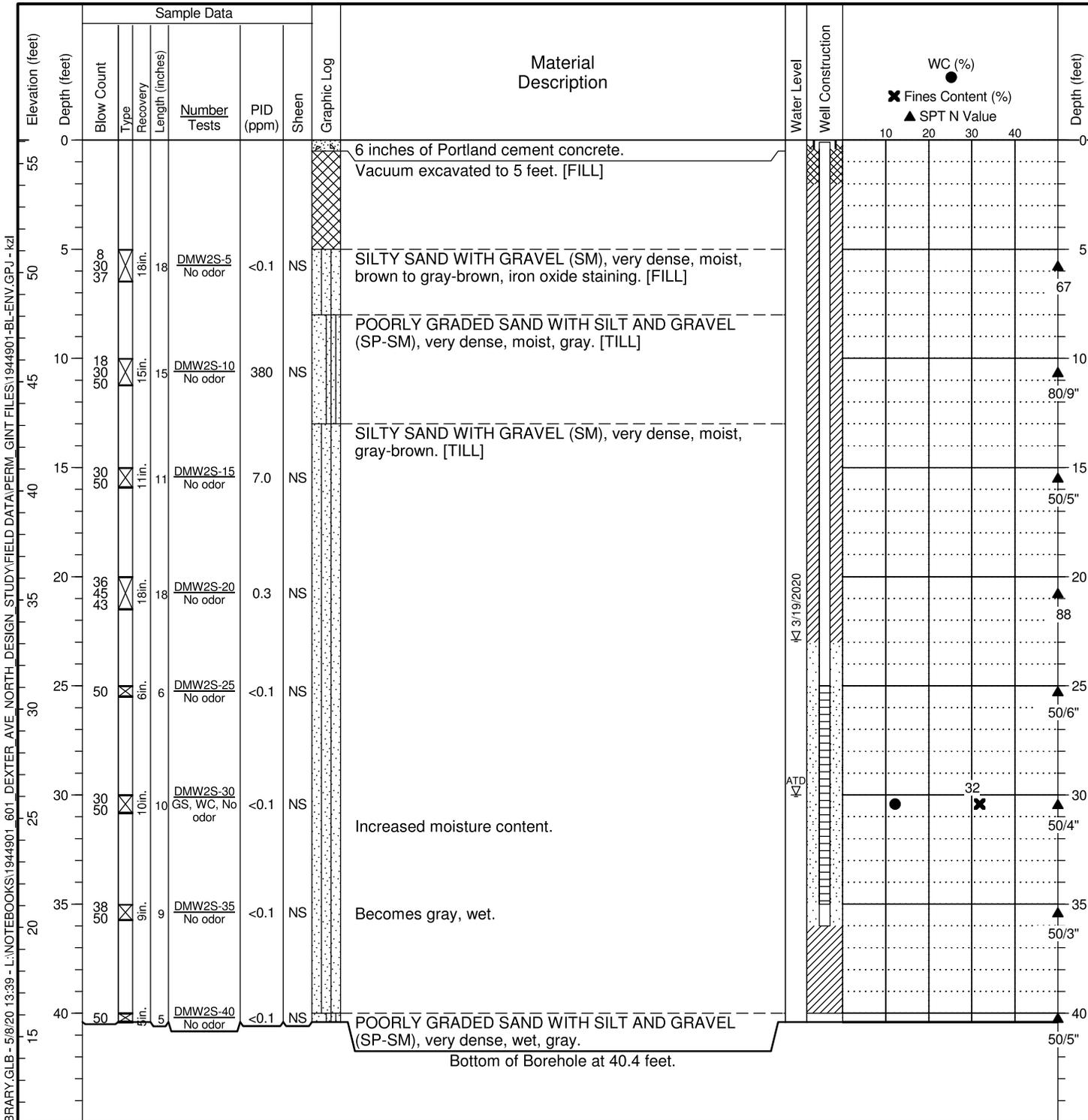
Date Started: 3/5/19 Date Completed: 3/5/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. Dozier Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625058 Long: -122.342652 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-921 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: Casing Diameter:
 Total Depth: 31 feet Depth to Groundwater: 30 feet



General Notes:
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
 5. Location and ground surface elevations are approximate.

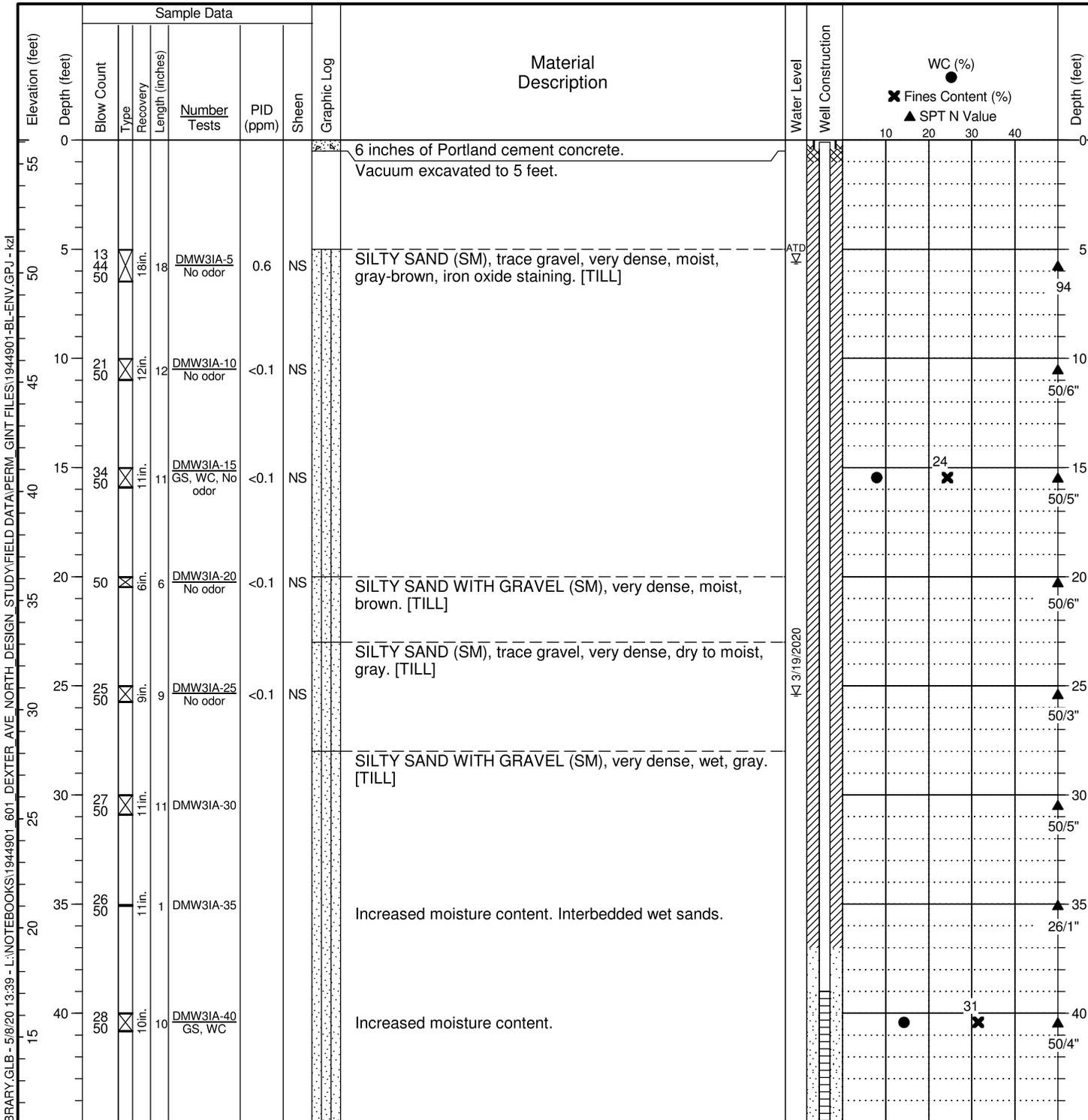
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Date Started: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: J. Blanchette Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625084 Long: -122.342594 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 56.07 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME933 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 40.4 feet Depth to Groundwater: 30 feet



General Notes:
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
 5. Location and ground surface elevations are approximate.

Date Started: 2/27/20 Date Completed: 2/27/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. McCabe Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625186 Long: -122.342587 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 56.09 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME932 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 50.25 feet Depth to Groundwater: 5.6 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



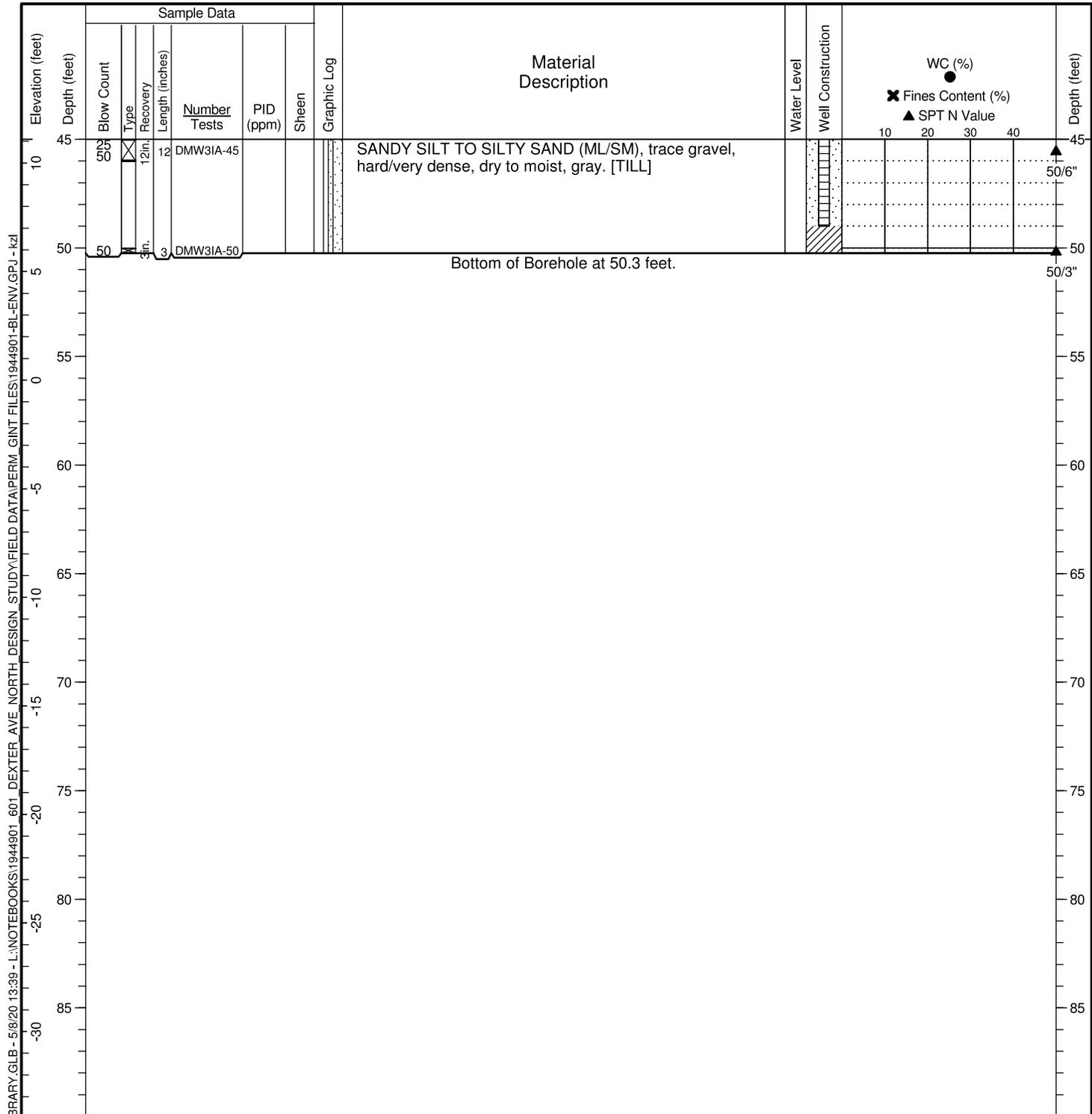
Project: 615 Dexter Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 DMW-3IA

Figure **A1-15**
 Sheet 1 of 2

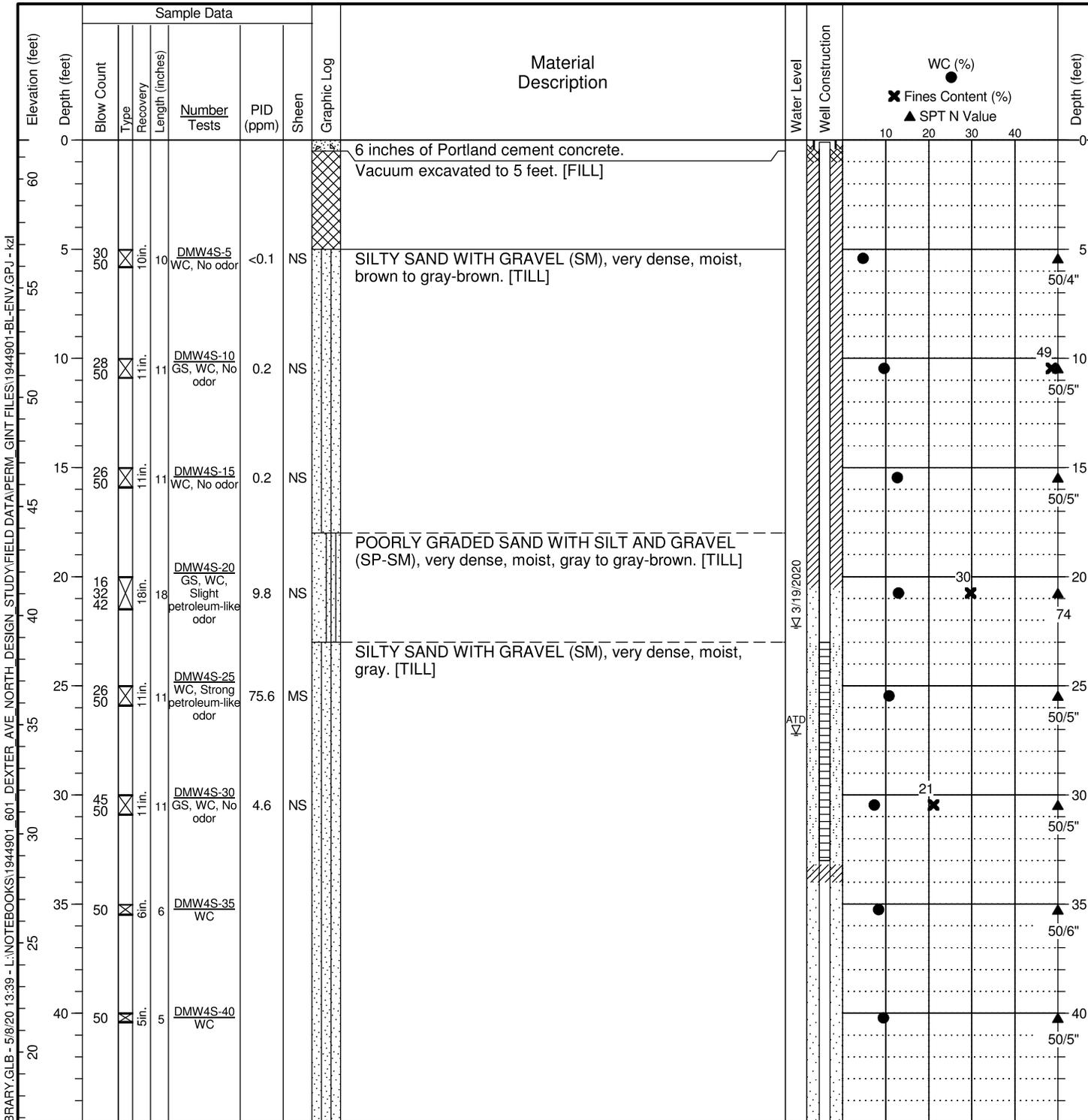
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Date Started: 2/27/20 Date Completed: 2/27/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. McCabe Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625186 Long: -122.342587 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 56.09 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME932 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 50.25 feet Depth to Groundwater: 5.6 feet



General Notes:
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
 5. Location and ground surface elevations are approximate.

Date Started: 2/26/20 Date Completed: 2/26/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. McCabe Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624983 Long: -122.342623 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 61.78 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME929 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 70.33 feet Depth to Groundwater: 27.2 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



Project: 615 Dexter Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 DMW-4S

Figure **A1-16**
 Sheet 1 of 2

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/8/20 13:39 - L:\NOTEBOOKS\1944901-601 DEXTER AVE NORTH DESIGN STUDY\FIELD DATA\PERM_GINT FILES\1944901-BL-ENV.GPJ - kzl