APPENDIX E-1 BORING AND WELL LOGS

(Other Consultants)



Log of Boring: FMW-3D

Page 1 of 3

Client: City Investors XI LLC

Project: Block 31

Location: Seattle, Washington

Farallon PN: 397-014

Logged By: Ryan Ostrom

Date/Time Started: 3/7/2016 @ 1150

Date/Time Completed: 3/8/2016 @ 1100

Jerrod Thompson

Equipment: BK 81

Drilling Company: Holocene

Drilling Method: Auger

Drilling Foreman:

Sampler Type: 1.5' SPT

Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 71.5

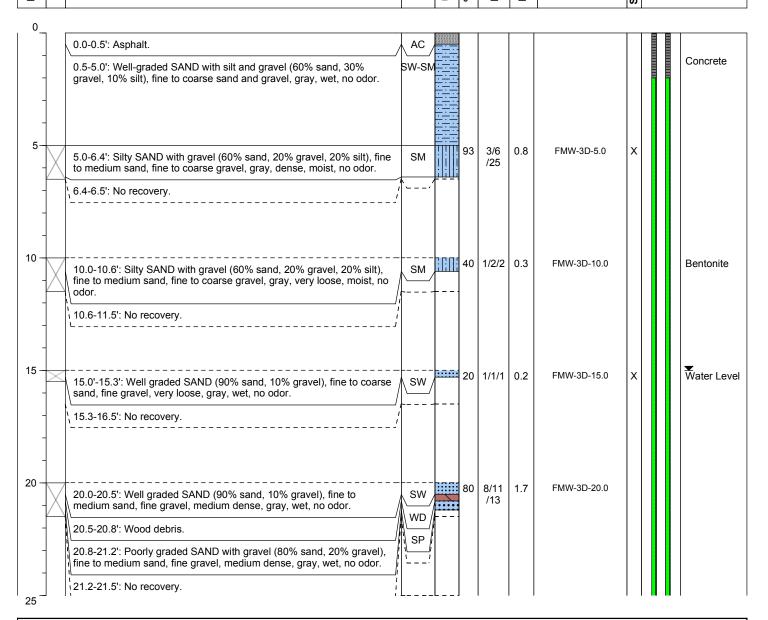
Total Well Depth (ft bgs): 69.0

Sample Interval

Construction

Blow Counts 8/8/8
Sample Analyzed

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

Filter Pack: Sand 10/2
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-3D

Page 2 of 3

City Investors XI LLC Client:

Project: Block 31

Location: Seattle, Washington

Farallon PN: 397-014

Logged By: Ryan Ostrom

Date/Time Started: 3/7/2016 @ 1150

Holocene

Auger

Jerrod Thompson

3/8/2016 @ 1100 Date/Time Completed: **BK 81** Equipment:

Drilling Company: Drilling Foreman:

Drilling Method:

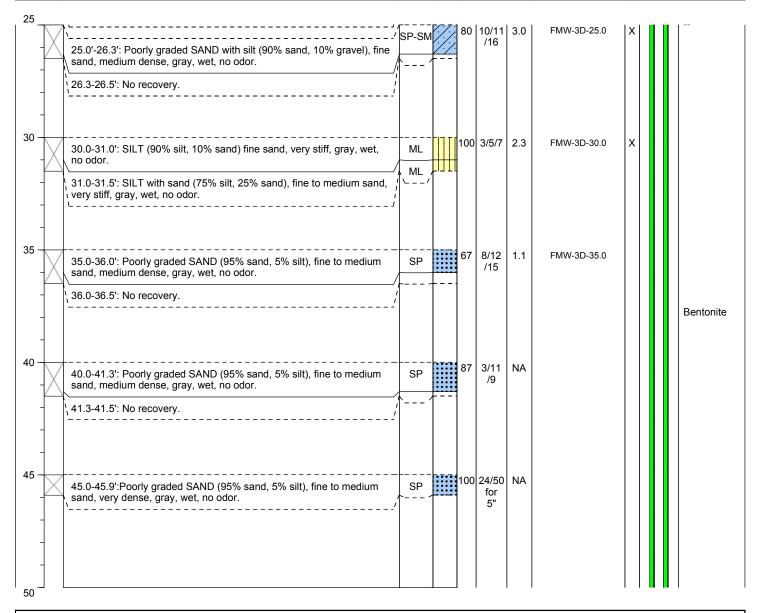
Sampler Type: 1.5' SPT

140 Drive Hammer (lbs.): Depth of Water ATD (ft bgs): 15.0 Total Boring Depth (ft bgs): 71.5

Total Well Depth (ft bgs):

69.0

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



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:**

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

Y: NA

NA

NA



Log of Boring: FMW-3D

Page 3 of 3

City Investors XI LLC Client:

Project: Block 31

Location: Seattle, Washington

Farallon PN: 397-014

Logged By: Ryan Ostrom

Date/Time Started: 3/7/2016 @ 1150

Date/Time Completed: 3/8/2016 @ 1100 BK 81 Equipment:

Holocene

Drilling Company:

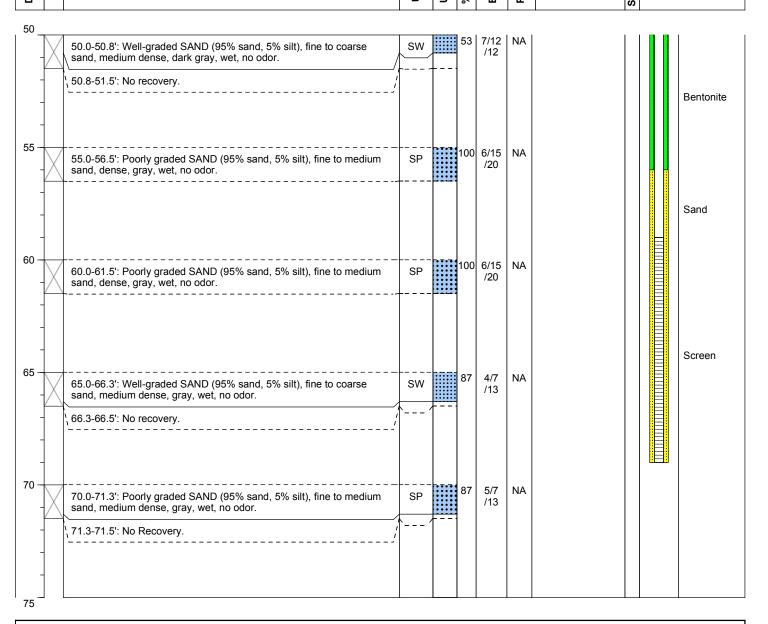
Drilling Foreman: Jerrod Thompson

Drilling Method: Auger Sampler Type: 1.5' SPT

140 Drive Hammer (lbs.): Depth of Water ATD (ft bgs): 15.0

Total Boring Depth (ft bgs): 71.5 Total Well Depth (ft bgs): 69.0

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



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:**

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

Y: NA

NA

NA

RESOURCE PROTECTION		CORRENT	Notice of Intent No. REG9958
(SUBMIT ONE WELL REPORT PER W Construction/Decommission <i>(select one</i>) Construction	epp inglacted)		Type of Well (select one) Resource Protection Geotech Soit Boring
Decommission ORIGINAL INSTALLATION of Intent Number			City of Seattle
Consulting Firm Farallon	5545)	Site Address &	6 Mercer ST
Unique Ecology Well ID	*	City Seattle	County King Select One Style
Tay No. BIE 055		Location NW 1/4-1	4 KE1/4 Sec 30 Twn 25 NR 48 Select One SIVA
WELL CONSTRUCTION CERTIFICATION accept responsibility for construction of this well, and its Washington well construction standards. Majorials used	compliance with all	LaVLong (s, t, r	Lat Deg Lat Min/Sec
above are true to my best knowledge and belief.		still REQUIRED)	Long Deg Long Min/Sec
Driller Engineer Traince Name (Print) Thoras Driller/Engineer /Traince Signature Thoras	es Craney	Tax Parcel No.	24900-0006
Oriller or Trainea License No. 240	29	Cased or Uncased	Diameter 2" Static Level 42" on Start Date 5-/3-14
If traince, licensed driller's			
Signature and License No.		Work/Decommissi	on Completed Date <u>5-16-14</u>
Construction/Design	W	ell Data	Formation Description
	L. D. B. G.		u.
	MONUMENT TYP	E:	
	flush		0 - 6 tt.
+ 3	CONCRETE SURI	FACE SEAL	gravel-sand-concrete Sill -
1 2 2		ft.	
		00	6 -25 ft.
0 40	PVC BLANK	'x 89'	dk grey silty sand
+ 88	BACKELL	80 tt.	
	TYPE: ** 1/8	Bentraita	
	11PE: 3-2.70	is constitution	25 - 75 ft.
1/2 = 3aA	Y		silty sand with intermitten
			SILT Layers
†	PVC SCREEN 2	x 5	
	SLOT SIZE:	,010	Company of the Compan
## <u> </u>	TYPE: PUC FI	uch Thrend	75 - 118 tt.
1 1441			sitty sand med grey
	GRAVEL PACK		weT
	MATERIAL: 10x	20 CiliCA	
			11/4 110 #
			med grey silt w/ gravel
		4	dry .
			REMARKS
		- 14	.*
		30	RECEIVED
100		co. 1	
	WELL DEPTH	61.7	7.000 V 0.10
1			
		100	UEPT DE ECOLOG
	100		DEPT OF ECOLOG
4			
		100	



Log of Boring: FMW-131

Page 1 of 2

Vulcan Client: Project: Block 37

Location: Seattle, WA

Farallon PN: 397-010

Logged By: Jared Kerr/ Amber

Date/Time Started: 8/30/16 @ 0740

8/30/16 @ 0918 Date/Time Completed: D-120 Equipment:

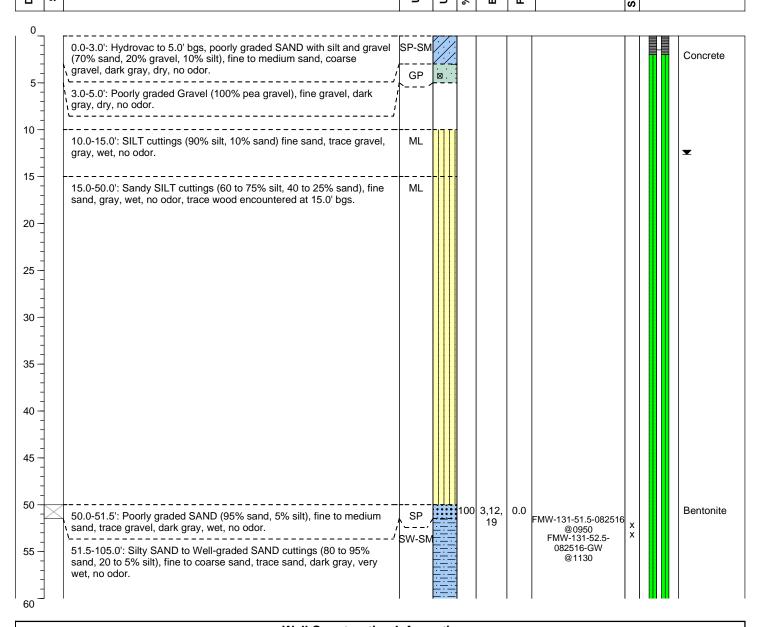
Drilling Company: Holocene **Drilling Foreman:** Matt Graham

Drilling Method: Hollow Stem Auger Sampler Type: SPT 18"

140lbs Drive Hammer (lbs.): Depth of Water ATD (ft bgs): 12.64 Total Boring Depth (ft bgs): 75.0'

Total Well Depth (ft bgs): 74.85'

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



Monument Type: Flush Mount Casing Diameter (inches): Screen Slot Size (inches): 0.010" Screened Interval (ft bgs): 63-73

Well Construction Information Filter Pack: Silica Sand 10-20

Surface Seal: Concrete Annular Seal: **Bentonite Boring Abandonment:**

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

NA NA

X:NA

Y: NA



Log of Boring: FMW-131

Page 2 of 2

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

Farallon PN: 397-010

Logged By: Jared Kerr/ Amber

8/30/16 @ 0740 Date/Time Started: 8/30/16 @ 0918 Date/Time Completed:

Equipment: D-120 **Drilling Company:** Holocene **Drilling Foreman:** Matt Graham

Drilling Method: Hollow Stem Auger

Sampler Type: SPT 18"

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

	22	54 5 7 .										
Depth (feet bgs.)	Sample Interval	Lithologic Descript	ion	nscs	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Cons	ng/Well truction etails
60												
65 -									FMW-131-62.5- 082516-GW @1230	x		Silica Sand Screen
70 -	-								FMW-131-72.5- 082516-GW @1350	x		Bentonite
80 - 80 - - - 85 -									FMW-131-82.5- 082516-GW @1535	x		
90 -									FMW-131-92.5- 082516-GW @1645	x		
100 -												

Monument Type: Flush Mount Casing Diameter (inches): Screen Slot Size (inches): 0.010" Screened Interval (ft bgs): 63-73

Well Construction Information

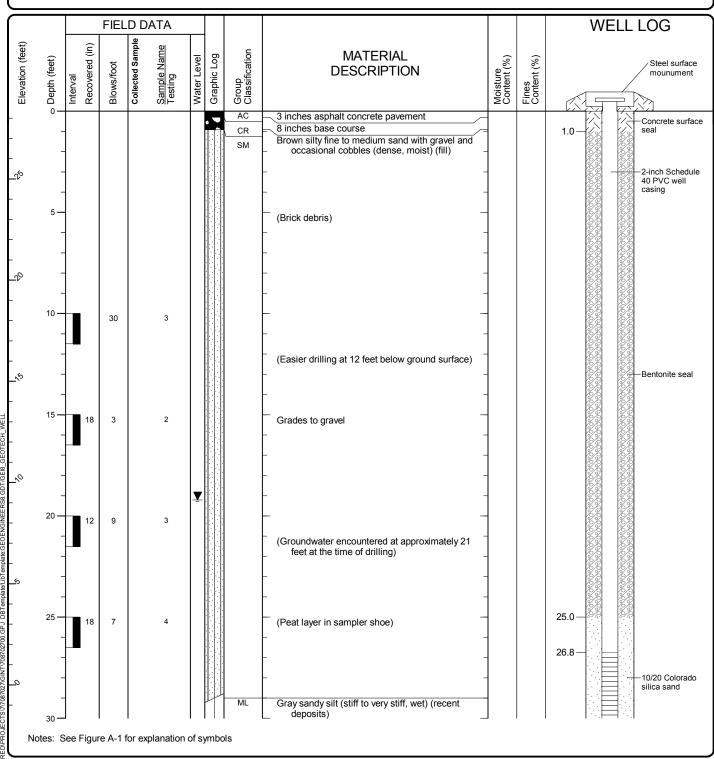
Filter Pack: Silica Sand 10-20 Surface Seal: Concrete **Annular Seal:** Bentonite **Boring Abandonment:** NA

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

FMW-131-102.5-082516-GW

Y: NA

<u>Start</u> Drilled 4/16/2014	<u>End</u> 4/16/2014	Total Depth (ft)	81.5	Logged By Checked By	TKC DPC	Driller Geologic Drill		Drilling Method Hollow-S	Stem Auger
Hammer Data	Pneum 140 (lbs) / 30			Drilling Equipment	Die	drich D-50 Turbo	/	BIJ 461 s installed on 4/16/2014	to a depth of 36.75
Surface Elevation (ft Vertical Datum	, –	8.35 VD88		Top of Casing Elevation (ft)		27.95	(ft). <u>Groundwater</u>	Depth to	
Easting (X) Northing (Y)		62.7704 28.1831		Horizontal Datum		NAD83	<u>Date Measured</u> 7/1/2014	<u>Water (ft)</u> 19.2	Elevation (ft) 8.7
Notes:									



Log of Monitoring Well B-37-1

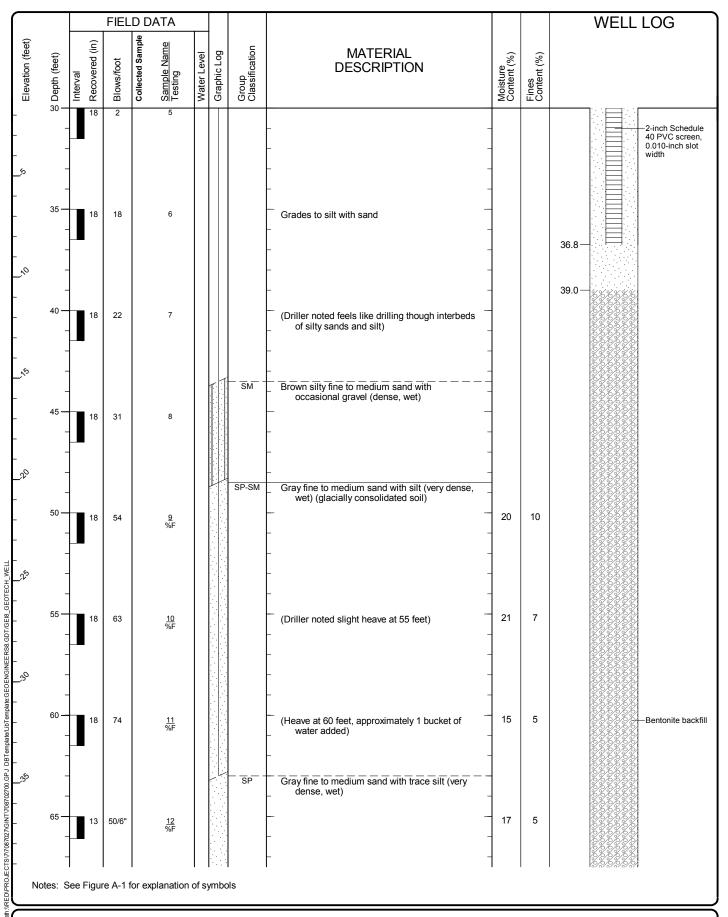


Project: Block 37

Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-2 Sheet 1 of 3



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

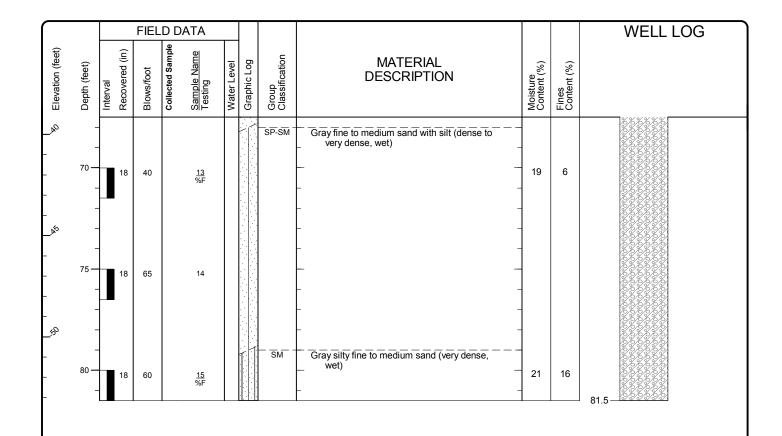


Project: Block 37

Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-2 Sheet 2 of 3



Notes: See Figure A-1 for explanation of symbols

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



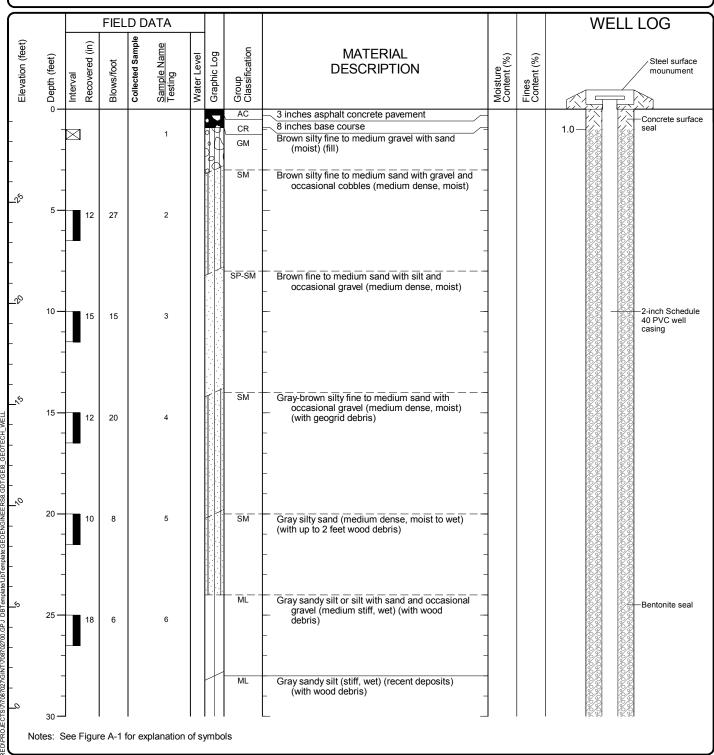
Project: Block 37

Project Location: Seattle, Washington

Project Number: 7087-027-00



<u>Start</u> Drilled 4/16/2014	<u>End</u> 4/17/2014	Total Depth (ft)	81.5	Logged By Checked By		Driller Geologic Drill		Drilling Method Hollow-S	tem Auger
Hammer Data	Pneum 140 (lbs) / 30			Drilling Equipment	Die	drich D-50 Turbo	/	BIJ 462 s installed on 4/16/2014	to a depth of 60.61
Surface Elevation (f Vertical Datum	, -	29.6 VD88		Top of Casing Elevation (ft)		29.38	(ft). <u>Groundwater</u>	Depth to	
Easting (X) Northing (Y)		358.7011 66.0835		Horizontal Datum		NAD83	Date Measured 7/1/2014	<u>Water (ft)</u> 31.4	Elevation (ft) -2.0
Notes:			,						



Log of Monitoring Well B-37-2

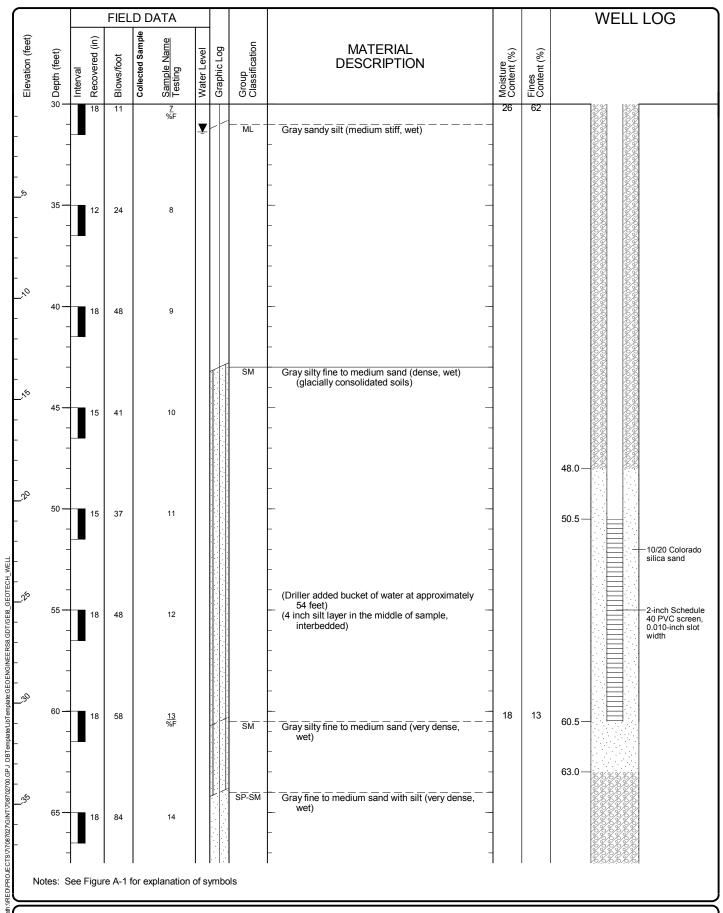


Project: Block 37

Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-3 Sheet 1 of 3



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

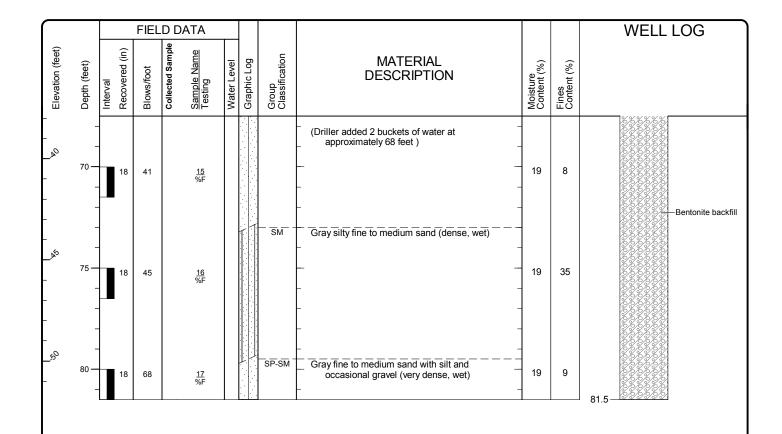


Project: Block 37

Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-3 Sheet 2 of 3



Notes: See Figure A-1 for explanation of symbols

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



Project: Block 37

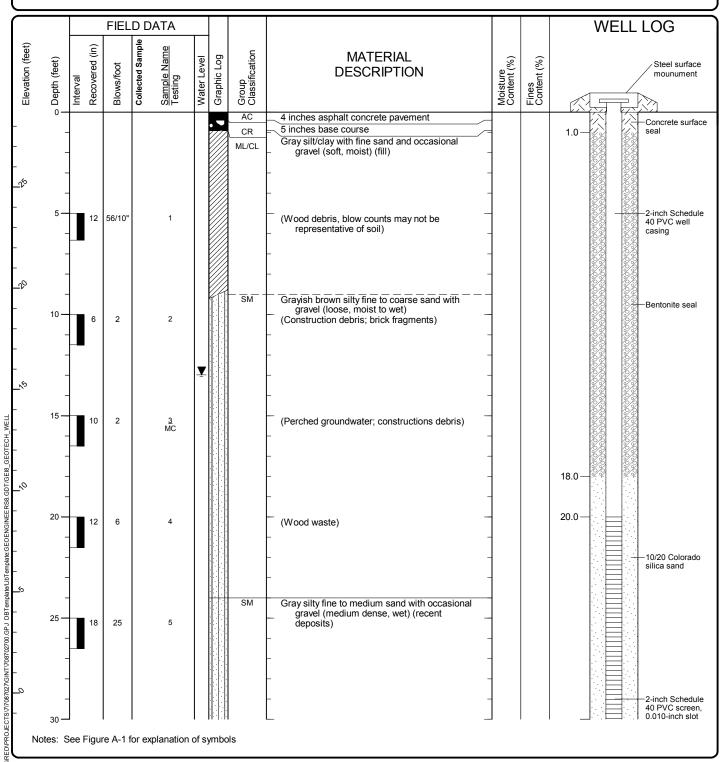
Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-3 Sheet 3 of 3



<u>Start</u> Drilled 4/10/2014	<u>End</u> 4/10/2014	Total Depth (ft)	81	Logged By Checked By		Driller Geologic Drill		Drilling Method Hollow-S	Stem Auger
Hammer Data	Pneum 140 (lbs) / 30			Drilling Equipment	Die	drich D-50 Turbo	DOE Well I.D.: A 2 (in) well was	BIJ 460 s installed on 4/10/2014	4 to a depth of 30 (ft).
Surface Elevation (to Vertical Datum	, –	28.7 VD88		Top of Casing Elevation (ft)		28.41	Groundwater	Depth to	
Easting (X) Northing (Y)		75.6231 74.012		Horizontal Datum		NAD83	Date Measured 7/1/2014		Elevation (ft) 15.4
Notes:							•		



Log of Monitoring Well B-31-3

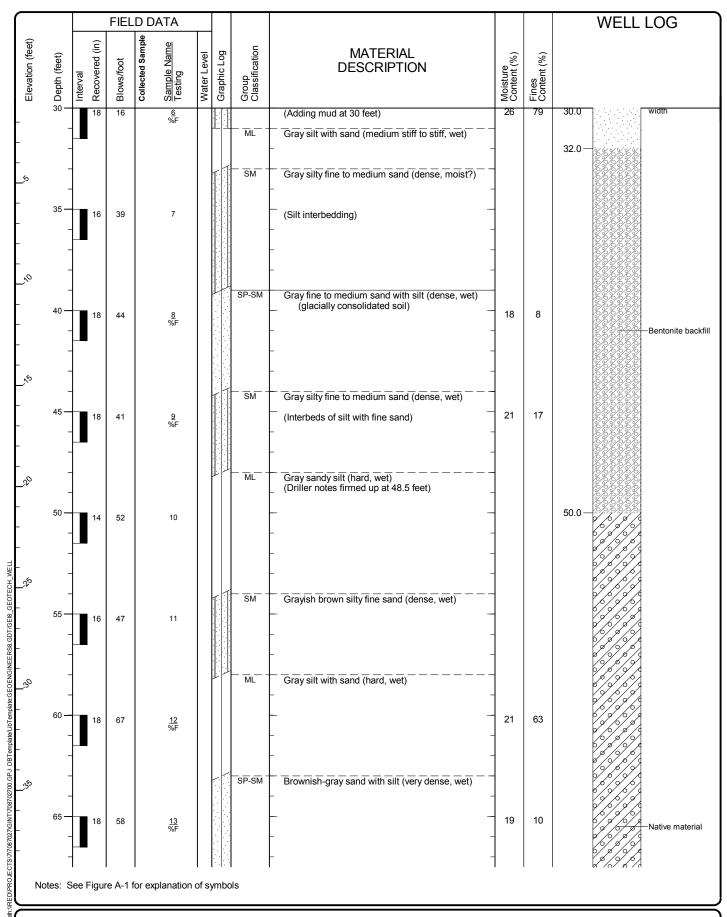


Project: Block 31

Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-4 Sheet 1 of 3



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

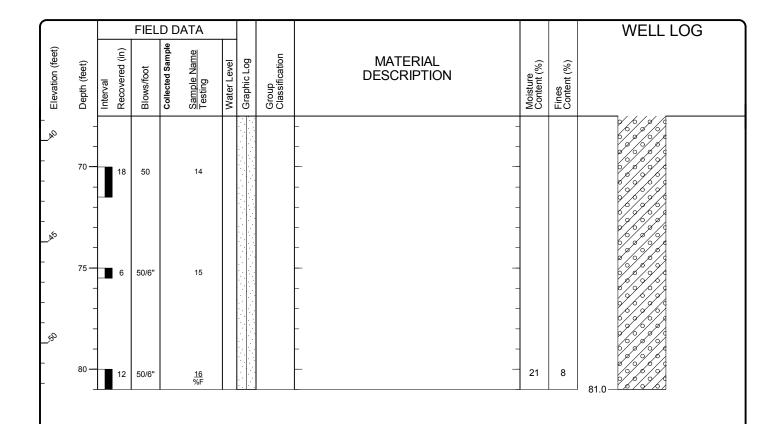


Project: Block 31

Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-4 Sheet 2 of 3



Notes: See Figure A-1 for explanation of symbols

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



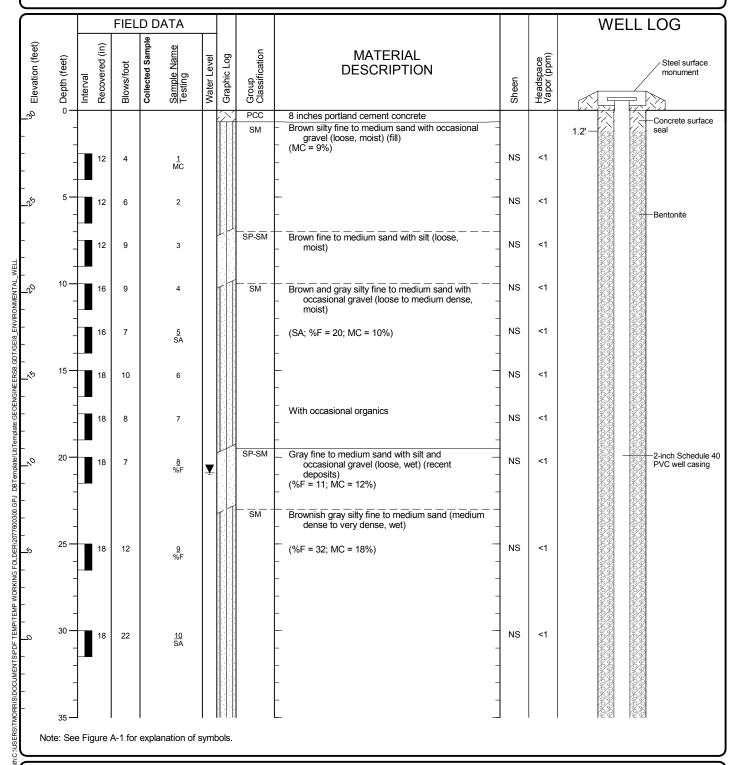
Project: Block 31

Project Location: Seattle, Washington

Project Number: 7087-027-00

Figure A-4 Sheet 3 of 3

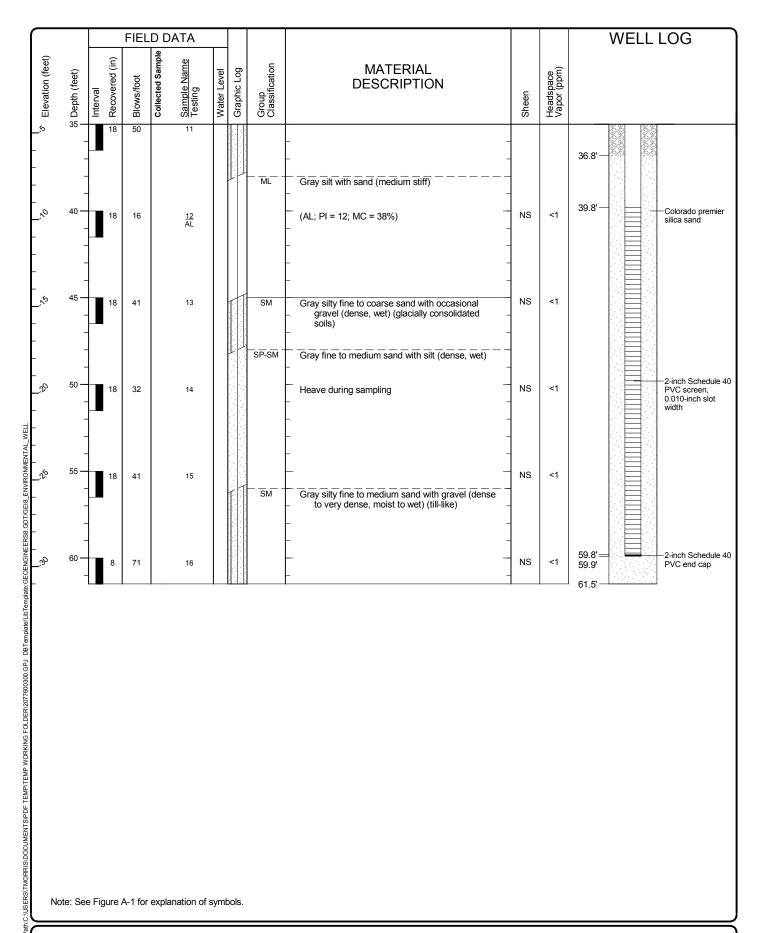
Start Drilled 8/22/201	<u>End</u> 4 8/22/2014	Total Depth (ft)	61.5	Logged By Checked By	GP DPC	Driller Geologic Drill, Inc) .	Drilling Method Hollow-S	tem Auger
Hammer Data	Autohai 140 (lbs) / 30			Drilling Equipment	Die	drich D50 Turbo		BIJ 490 as installed on 8/22/201	4 to a depth of 59.8
Surface Elevation Vertical Datum	` '	30.5 VD88		Top of Casing Elevation (ft)		30.10	(ft). Groundwater	Depth to	
Easting (X) Northing (Y)				Horizontal Datum			Date Measured 9/6/2014	<u>Water (ft)</u> 20.9	Elevation (ft) 9.6
Notes:									



Log of Monitoring Well MW-1



Project: South Lake Union Marriott AC

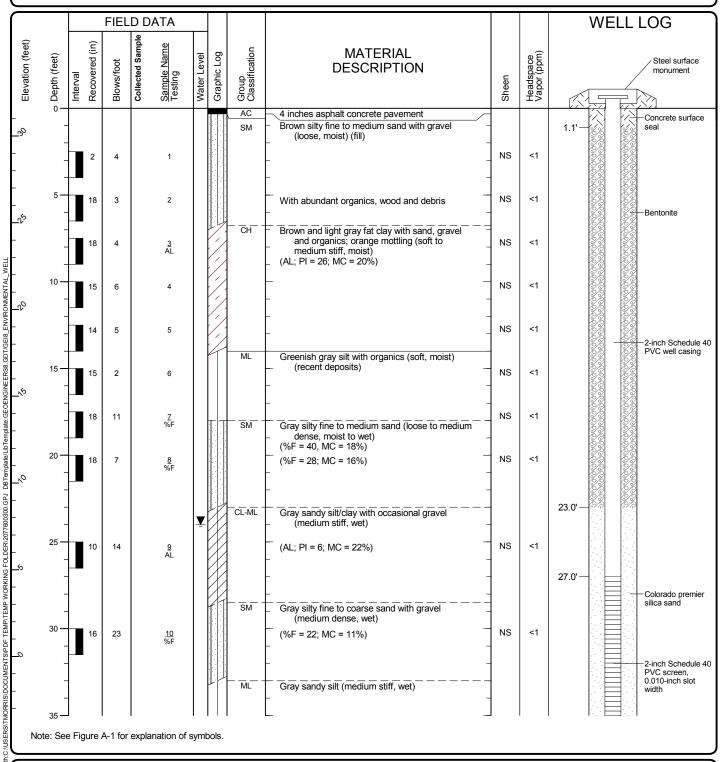


Log of Monitoring Well MW-1 (continued)



Project: South Lake Union Marriott AC

<u>Start</u> Drilled 8/23/2014	<u>End</u> 8/23/2014	Total Depth (ft)	60	Logged By Checked By	GP DPC	Driller Geologic Drill, Inc) .	Drilling Hollow-S	Stem Auger
Hammer Data	Autohar 140 (lbs) / 30			Drilling Equipment	Die	drich D50 Turbo	/	BIJ 492 as installed on 8/23/201	4 to a depth of 37
Surface Elevation (for Vertical Datum	-,	31.6 VD88		Top of Casing Elevation (ft)		31.00	(ft). <u>Groundwater</u>	Depth to	
Easting (X) Northing (Y)				Horizontal Datum			Date Measured 9/6/2014	<u>Water (ft)</u> 24.0	Elevation (ft) 7.6
Notes:									



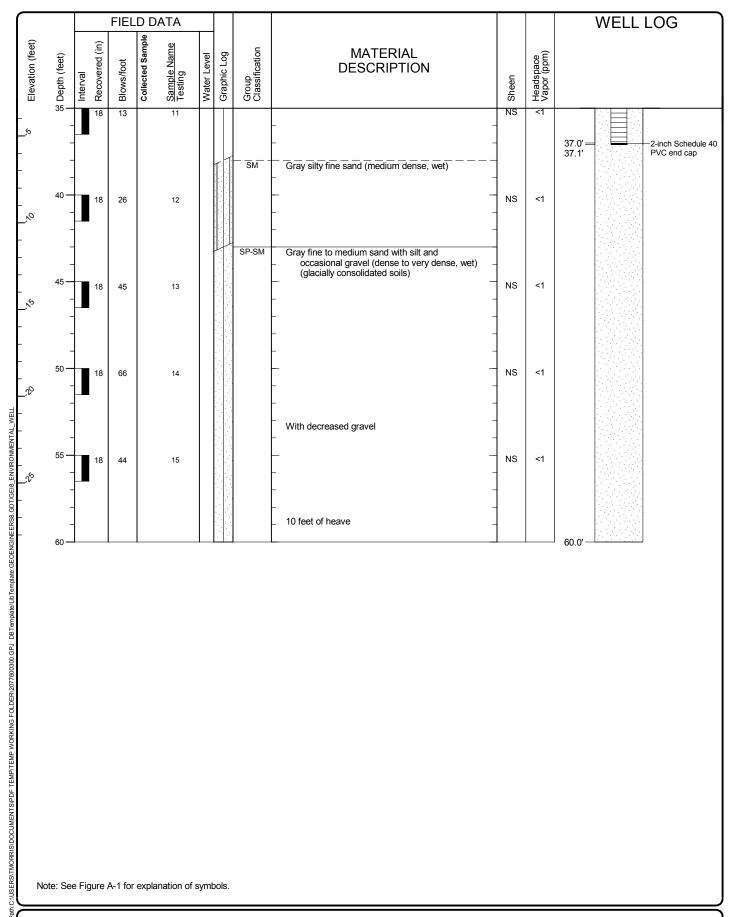
Log of Monitoring Well MW-2



Project: South Lake Union Marriott AC

Project Location: Seattle, Washington
Project Number: 20776-003-00

Figure A-3 Sheet 1 of 2

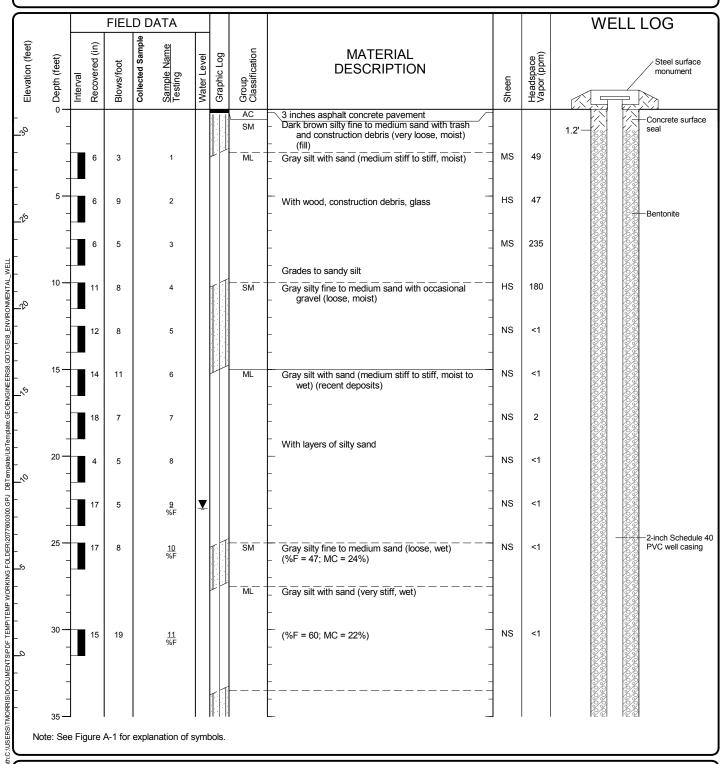


Log of Monitoring Well MW-2 (continued)



Project: South Lake Union Marriott AC

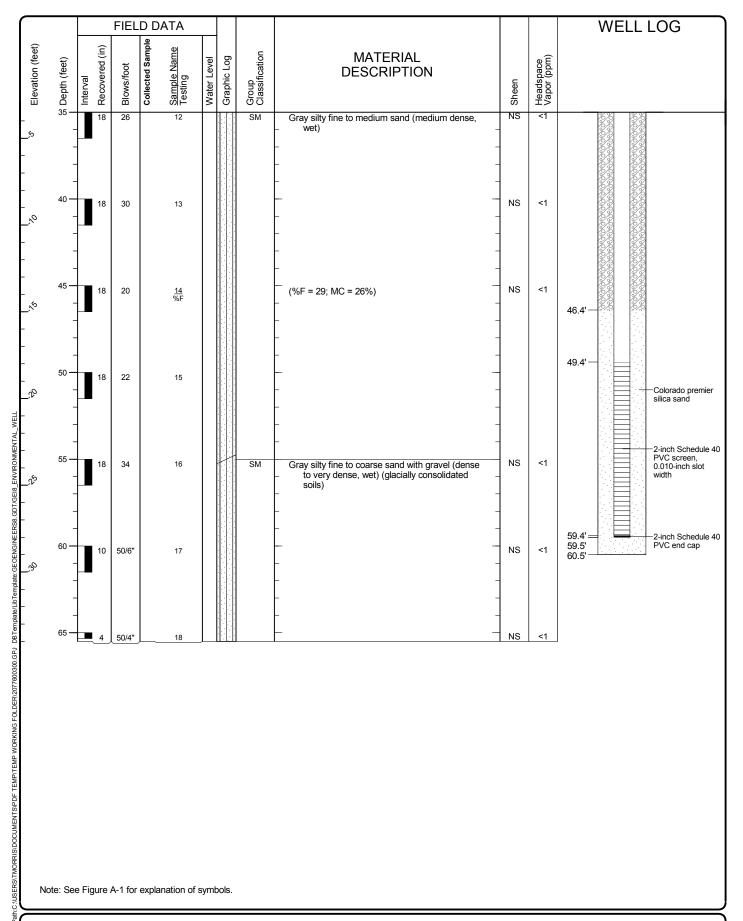
Start Drilled 8/23/201	<u>End</u> 4 8/23/2014	Total Depth (ft)	65.5	Logged By Checked By		Driller Geologic Drill, Inc) .	Drilling Method Hollow-S	tem Auger
Hammer Data	Autohai 140 (lbs) / 30			Drilling Equipment	Die	drich D50 Turbo		BIJ 491 as installed on 8/24/2014	4 to a depth of 59.4
Surface Elevation Vertical Datum	` '	31.5 VD88		Top of Casing Elevation (ft)		30.75	(ft). Groundwater	Depth to	
Easting (X) Northing (Y)				Horizontal Datum			Date Measured 9/6/2014	<u>Water (ft)</u> 23.0	Elevation (ft) 8.5
Notes:									



Log of Monitoring Well MW-3



Project: South Lake Union Marriott AC



Log of Monitoring Well MW-3 (continued)



Project: South Lake Union Marriott AC

<u>Start</u> Drilled 8/24/2014	End Tot 8/24/2014 De	otal 63 epth (ft)	Logged By Checked By	GP DPC	Driller Geologic Drill, Inc).	Drilling Method	Hollow-Stem	Auger
Surface Elevation (ft) Vertical Datum	31 NAVD8	88	Hammer Data		Autohammer (lbs) / 30 (in) Drop	Drilling Equipment		Diedrich D50	Turbo
Easting (X) Northing (Y)			System Datum			Groundwate Date Measure	-	Depth to Water (ft)	Elevation (ft)
Notes:									

\succeq				-								
			T		ATA	\blacksquare						
Elevation (feet)	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
<u>_</u> so	0 —							PCC	7 inches portland cement concrete			
^ - -	-	17	6		<u>1</u> %F			SM	Gray-brown silty fine to medium sand with occasional gravel (very loose to loose, moist) (fill)	NS	<1	%F = 33; MC = 11%
- _%	5 -	6	1		2				_ -	NS	<1	
-	_	7	5		3			ML -	Gray silt with dark organics, wood chips and glass pieces (soft to medium stiff, moist)	NS	<1	
- - <u>-</u> 2	10 —	17	4		4				- -	NS	<1	
- -	- -	12	10		5			ML	Gray silt with sand and gravel (medium stiff to stiff, moist to wet) (recent deposits)	NS	<1	3-inch silty sand layer
_/e -	15 -	16	9		6					NS	<1	
	20 —	18	4		7				Grades to gray-brown sandy silt with occasional gravel; becomes wet	NS	<1	
_ - -	25 -	16	6		<u>8</u> %F				- - -	NS	<1	%F = 89; MC = 71%
- - - - - -	30 —	18	30		9		Yan and a second a	SM	Gray silty sand with gravel and occasional cobbles (dense, wet)	NS	<1	
No		Figure	A-1 foi	expla	nation of	svmh	ools.					
140	000	, iguit	1 101	Слріа	auon on	-yııı.	,013.					

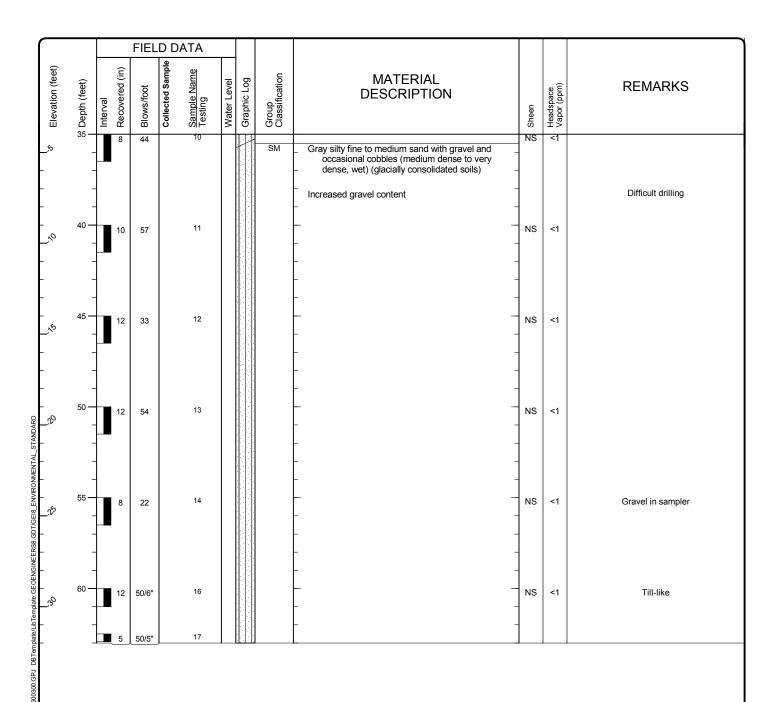
Log of Boring GEI-4



Project: South Lake Union Marriott AC

Project Location: Seattle, Washington
Project Number: 20776-003-00

Figure A-5 Sheet 1 of 2



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

Log of Boring GEI-4 (continued)



Project: South Lake Union Marriott AC

LOCATION: DRILLING COMPANY: Hokkaido Drilling DATE COMPLETED: 9/3/97 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA LOGGED BY: GWE SURFACE ELEVATION: 146 ± Feet ASTM SOIL CLASS PEN. RESISTANCE (blows/6 inches) SAMPLE NUMBER Standard Penetration Resistance OTHER TESTS PIEZOMETER SCHEMATIC DEPTH (feet) (140 lb. weight, 30" drop) ▲ Blows per foot SYMBOL DESCRIPTION 50 10 20 30 40 8 inches concrete pavement. SM Dense, brown, silty fine SAND, moist. Scattered gravel. (FILL) 5 S-2 23-50/4" Very dense, gray to brown, silty fine SAND with occasional embedded gravel, moist. S-3 27-50/4" (Till-like) (GLACIOMARINE DRIFT) 10 ⊠ S-4 50/6" ⊠ S-5 50/5" 15 ⊠ S-6 49-50/2" ⊠ s-7 50/3" 20 ⊠ s-8 34-50/2" ⊠ S-9 50/5" Ţ 25 S-10 37-50/4" Very dense, gray, sandy SILT with embedded ⊠s-11 50/5" gravel, wet. 30-⊠s-12 50/5" ⊠s-13 30/1" Sampler refusal on cobble. SM Very dense, gray, silty SAND, moist. ⊠s-14 22-50/2" GS (ADVANCE OUTWASH) S-15 34-50/4" 20 40 60 80 1**0**0 0 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

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

PAGE: 1 of 2

970<u>61</u> PROJECT NO .:

FIGURE:

LOCATION: DRILLING COMPANY: Hokkaido Drilling DATE COMPLETED: 9/3/97 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA LOGGED BY: GWE SURFACE ELEVATION: 146 ± Feet ASTM SOIL CLASS PEN. RESISTANCE (blows/6 inches) SAMPLE NUMBER Standard Penetration Resistance SAMPLE TYPE OTHER TESTS PIEZOMETER SCHEMATIC DEPTH (feet) (140 lb. weight, 30" drop) ▲ Blows per foot SYMBOL DESCRIPTION 30 40 50 10 20 ⊠s-16 50/5" Very dense, gray, silty fine SAND with embedded coarse sand and gravel, moist. Fines are occasionally plastic. (Till-like) ⊠s-17 50/4" GS (GLACIOMARINE DRIFT) 45 ⊠s-18 57/6" ⊠s-19 51/6" 50 50 ⊠s-20 50/5 ⊠s-21 50/5" 55 55 S-22 42-50/3" Very dense, gray, silty fine SAND to fine sandy ML SILT with trace gravel, moist. (Till-like) ⊠s-23 50/6" Very dense, gray, fine to medium SAND, wet. Some gravel, Layered. 60 60 S-24 26-50 (OUTWASH / ALLUVIUM DEPOSITS) ⊠s-25 50/6* 65 S-26 30-50/5 ⊠s-27 50/6* 70 **⊠**S-28 50/4 Very dense, gray, silty SAND with gravel, wet. Driller notes cobbles/boulders at 72 feet. Very dense, gray, clayey SAND with gravel, ⊠_{S-29} 50/6 (GLACIOMARINE DRIFT) 75 ⊠s-30 50/5 ⊠s-31 50/5 Total Depth = 78 feet. 2" PVC piezometer installed to 40 feet. 80 40 60 80 100 0 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

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

PAGE: 2 of 2

97061 PROJECT NO .:

<u>A-6</u> FIGURE:

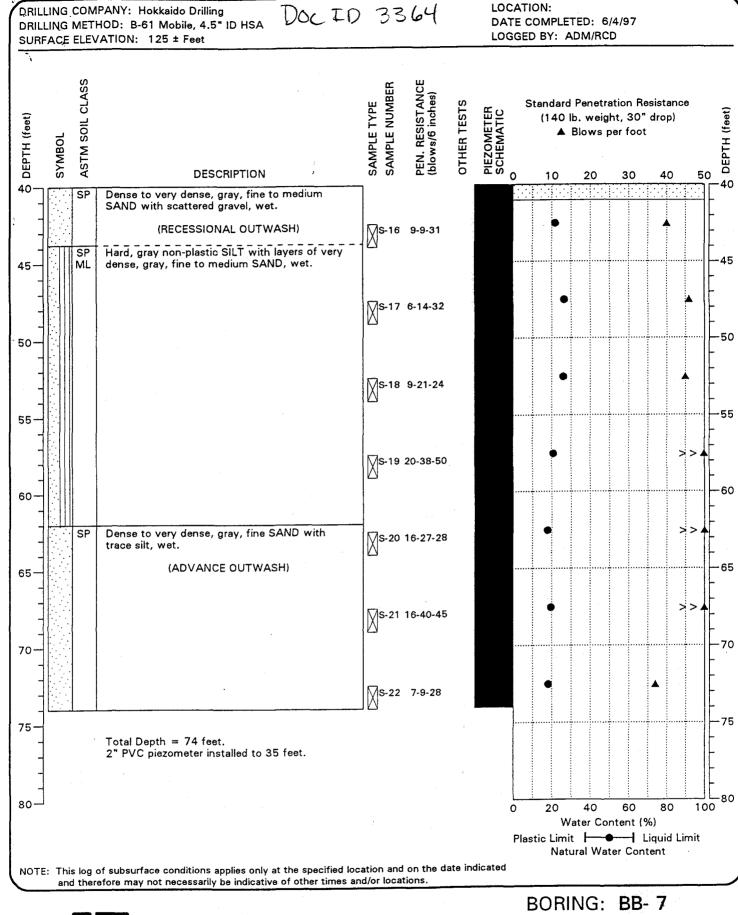
LOCATION: DRILLING COMPANY: Hokkaido Drilling DOC ID 3364 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA DATE COMPLETED: 6/4/97 LOGGED BY: ADM/RCD SURFACE ELEVATION: 125 ± Feet ASTM SOIL CLASS SAMPLE NUMBER Standard Penetration Resistance OTHER TESTS PIEZOMETER SCHEMATIC DEPTH (feet) (140 lb. weight, 30" drop) ▲ Blows per foot SYMBOL DESCRIPTION 30 40 50 10 20 4 inches asphalt pavement. SM Loose to very loose, gray brown mottled, silty/clayey SAND, moist. Some gravel. (FILL) 5 3-2-5 Loose, brownish gray, silty SAND, wet. Wood fibers. Some gravel. SM 10 10 SM Medium dense to dense, brownish gray, silty fine to coarse SAND with gravel, wet. Abundant wood fragments (lumber). Piece of wire in sample S-7. 5-13-25 Loose to medium dense, gray mottled light brown, silty/clayey SAND with gravel, wet. -20 SM 20 Minor wood. 25 Loose to medium dense, gray, silty SAND, wet. SM 25-Few layers /inclusions of gray silt. 30 Loose, dark gray to black, medium to coarse 30 SAND with gravel, wet. Possible ash. Becomes fine to coarse. No gravel. At 35 feet, piece of 1/4" diameter wire. 35 25-50 Very dense, brownish gray, silty fine SAND, SM wet. (RECESSIONAL OUTWASH) SP S-15 43-50/4" Dense to very dense, gray, fine to medium SAND with scattered gravel, wet. 60 80 100 0 40 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

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

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97061 PROJECT NO .:

FIGURE:



HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract B
Seattle, Washington

PAGE: 2 of 2

PROJECT NO.: 97061

LOCATION: DRILLING COMPANY: Hokkaido Drilling DATE COMPLETED: 6/6/97 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA LOGGED BY: ADM SURFACE ELEVATION: 142 ± Feet ASTM SOIL CLASS PEN. RESISTANCE (blows/6 inches) SAMPLE NUMBER SAMPLE TYPE OTHER TESTS Standard Penetration Resistance PIEZOMETER SCHEMATIC DEPTH (feet) DEPTH (feet) (140 lb. weight, 30" drop) A Blows per foot SYMBOL DESCRIPTION 40 50 20 30 10 4 inches asphalt over 6 inches concrete ML Loose, very dark brown, sandy SILT with S-1 2-5-5 gravel, moist. (FILL) Medium dense to dense, dark brown to black, -5 silty fine to coarse SAND with gravel, moist. S-2 9-18-30 Few cobbles. S-3 10-14-15 10 10 Rock in tip of sampler. Very dense, brown, SAND with silt and gravel, very moist. Slightly weathered. (Till-like) SP 15-31-SM 50/4" (GLACIOMARINE DRIFT) 15 Dense to very dense, grayish brown, silty fine SM 15 S-6 23-20-24 SAND with embedded pebbles, very moist. Faint layering. (Till-like) 8-12-30 GS 20 20 S-8 36-50-50 ∇ S-9 37-31-50 Very dense, grayish brown, medium to coarse SAND, wet. Some gravel. 25 SM Very dense, grayish brown, silty fine to coarse SAND with embedded gravel, wet. S-10 28-50/3" Very dense, gray, SAND with silt and gravel, 30 30 SM (ADVANCE OUTWASH) S-11 50/3"-GS 50/3" 35 35 Very dense, gray, SAND, wet. Sand heaved approximately 12 feet into augers prior to sampling. Unable to remove soil plug. Soil type (SP) is inferred. 40 40 100 60 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract B
Seattle, Washington

PAGE: 1 of 2

PROJECT NO .: 97061

LOCATION: DRILLING COMPANY: Hokkaido Drilling DATE COMPLETED: 6/6/97 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA LOGGED BY: ADM SURFACE ELEVATION: 142 ± Feet ASTM SOIL CLASS PEN. RESISTANCE (blows/6 inches) SAMPLE NUMBER SAMPLE TYPE Standard Penetration Resistance OTHER TESTS PIEZOMETER SCHEMATIC (feet) DEPTH (feet) (140 lb. weight, 30" drop) A Blows per foot SYMBOL DEPTH DESCRIPTION 10 20 30 40 50 40 Very dense, gray, silty fine to coarse SAND, wet. Few fine gravel. (GLACIOMARINE DRIFT) ⊠s-12 50/2"-50/1" 45 45 >> ⊠s-13 50/3"-50/2" 50 50 Becomes fine grained. ⊠s-14 50/4"-50/2" Becomes silty sand. 55 55 Hard, gray, fine sandy SILT with embedded ML fine gravel, wet. Slightly plastic fines. (Till-like) ⊠s-15 50/5"-40/1" 60 60 ML Very hard, gray, SILT, wet. (GLACIOLACUSTRINE DEPOSITS) >> S-16 30-50/5" 65 65 >> 14-49-Trace of fine gravel. 50/3" 70 70 Very dense, olive gray, clayey SAND with gravel, wet. (GLACIOMARINE DRIFT) >> XS-18 19-50/4" Very dense, greenish gray to grayish green, clayey GRAVEL with sand, wet. 75 75 Some coarse gravel to 1", >> XS-19 70-150 Total Depth = 78.5 feet. 2" PVC piezometer installed to 40 feet. 80 40 60 80 100 0 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

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

PAGE: 2 of 2

97061 PROJECT NO .:

FIGURE:

LOCATION: DRILLING COMPANY: Hokkaido Drilling DATE COMPLETED: 8/29/97 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA LOGGED BY: GWE SURFACE ELEVATION: 153 ± Feet ASTM SOIL CLASS PEN. RESISTANCE (blows/6 inches) SAMPLE NUMBER Standard Penetration Resistance OTHER TESTS PIEZOMETER SCHEMATIC DEPTH (feet) DEPTH (feet) (140 lb. weight, 30" drop) ▲ Blows per foot SYMBOL DESCRIPTION 50 10 20 30 40 0 8 inches asphalt over 7 inches concrete Dense to very dense, brownish gray, silty fine SAND, moist. Some embedded gravel. 14-26 (GLACIOMARINE DRIFT) Sampler refusal on cobble. 16-19-50/5" S-3 22-50/5" GS Reddish brown vertical striations in sample. 10 At 10 feet, faint layering starts. 19-50/4" S-5 28-50/4" 15 S-6 36-50/3 GS 50/5" 20 S-8 45-50/4" At 20 feet, possible ash layer. S-9 31-50/3" 25 25 ⊠s-10 50/6" ⊠s-11 41-50/4" Sample mottled reddish brown. 30 30 Sampler refusal on cobble. ML Hard, brownish gray, sandy SILT with > > embedded pebbles, moist. S-13 50/6" SP Very dense, gray, fine to medium SAND, wet. Some fine gravel. 32-36 Interbeds of gray SILT. 50/4 (OUTWASH / ALLUVIUM DEPOSITS) ⊠s-15 50/6" SM See next page for description. | | | SM | ML 40 60 100 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

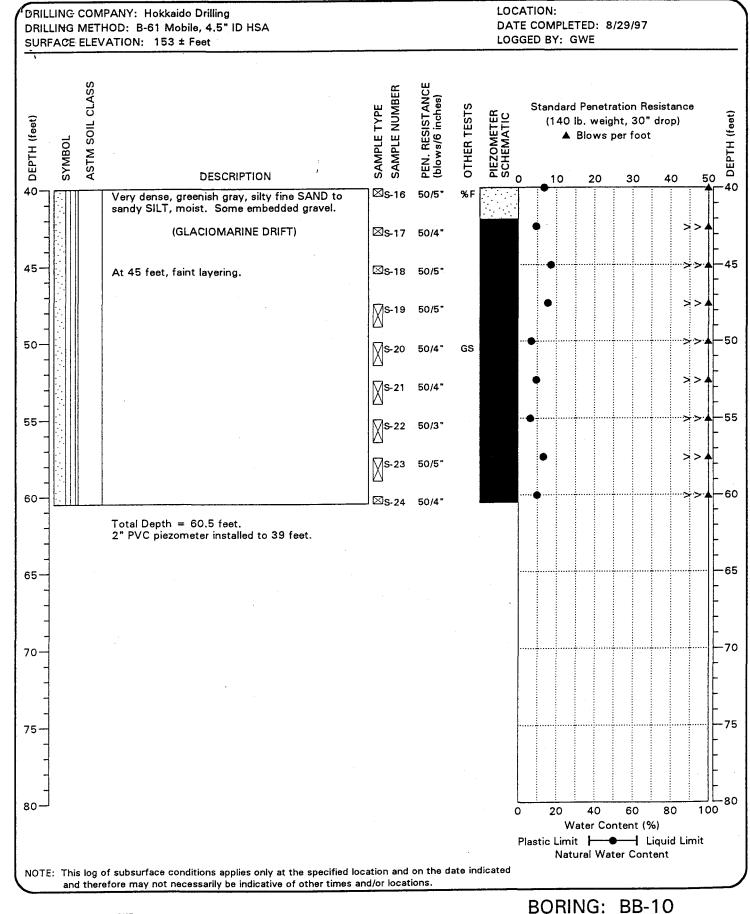
HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract B

Seattle, Washington

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PROJECT NO.: 97061

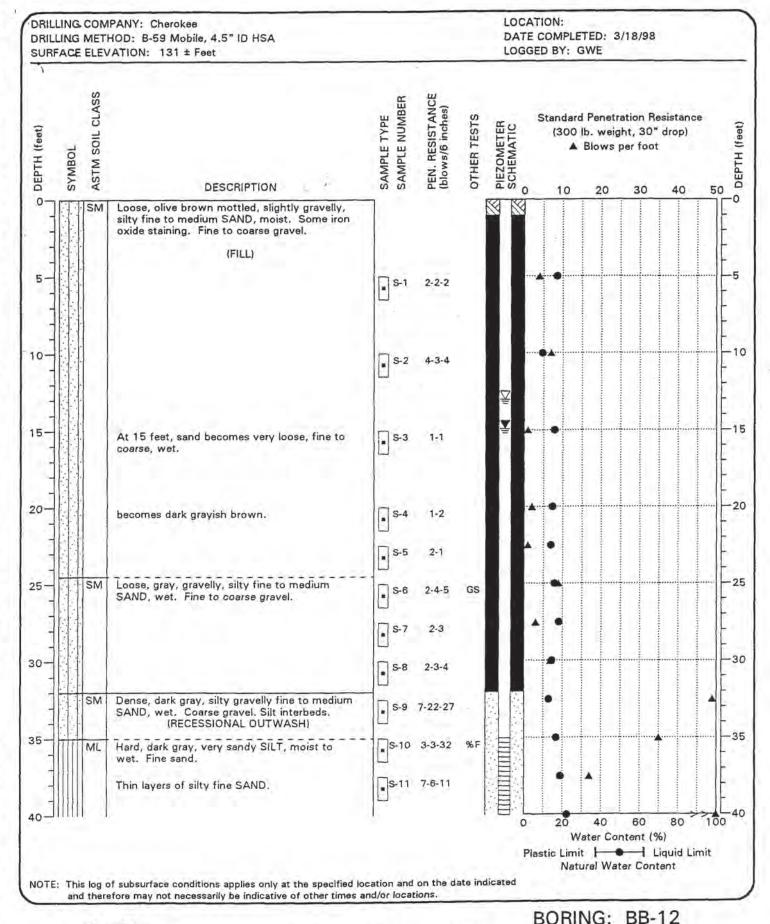


HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract B
Seattle, Washington

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PROJECT NO.: 97061

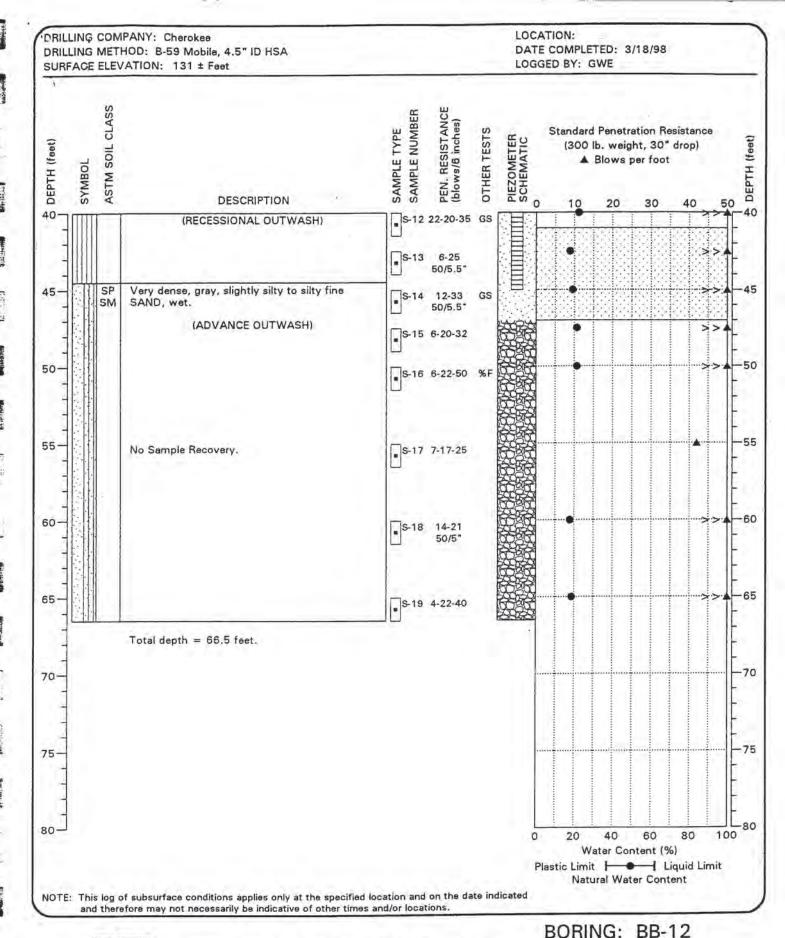


Denny Way / Lake Union CSO, Contract B Seattle, Washington HWAGEOSCIENCES INC.

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97061 PROJECT NO .:

FIGURE:



+JWA

Denny Way / Lake Union CSO, Contract B
Seattle, Washington

HWAGEOSCIENCES INC. Seattle, Wa

PAGE: 2 of 2

PROJECT NO .: 97061

DOCID 3364 LOCATION: DRILLING COMPANY: Cherokee DATE COMPLETED: 3/19/98 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA LOGGED BY: GWE SURFACE ELEVATION: 125 ± Feet ASTM SOIL CLASS SAMPLE NUMBER Standard Penetration Resistance OTHER TESTS DEPTH (feet) (300 lb. weight, 30" drop) ▲ Blows per foot SYMBOL DESCRIPTION 50 20 30 40 Soft, mottled olive brown ,SILT, moist. (FILL) 1-1-2 5 1-2-1 At 5 feet, becomes slightly sandy. Fine sand. At 7.5 feet, becomes olive brown to gray. Iron oxide staining. 10 %F Very soft to soft, mottled dark gray to olive gray, slightly sandy SILT, moist. Fine to coarse 1/12"-1 15 15 1-2-1 At 17.5 feet, wood debris. 20 20 S-8 1-2-1 At 20 feet, trace organics. 25 Soft, mottled brown to gray, organic SILT with OL 25 coarse organic debris, wet. Loose to medium dense, gray, silty fine to Ā medium SAND, wet. Silt interbeds. Trace fine gravel. 30 30 (RECESSIONAL OUTWASH) Stiff to very stiff, dark gray, sandy SILT, wet. ML Lenses of fine to medium sand. 35 35 100 40 Water Content (%) Plastic Limit |-• Liquid Limit Natural Water Content 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

HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract B
Seattle, Washington

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PROJECT NO.: 97061

LOCATION: DRILLING COMPANY: Cherokee DOCID 3364 DATE COMPLETED: 3/19/98 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA LOGGED BY: GWE SURFACE ELEVATION: 125 ± Feet ASTM SOIL CLASS SAMPLE NUMBER Standard Penetration Resistance PIEZOMETER SCHEMATIC DEPTH (feet) (300 lb. weight, 30" drop) ▲ Blows per foot SYMBOL **DESCRIPTION** 40 50 30 S-16 At 40 feet, trace fine gravel and fine sand. Hard, dark gray, sandy SILT / silty fine SAND, ML S-17 7-13-13 %F 45 45 S-18 14-14-15 50 -55 55 Medium dense to very dense, dark gray, silty fine to medium SAND, wet. -60 60 1-9-7 (ADVANCE OUTWASH) S-21 3-7-16 65 No Sample Recovery. 70 S-22 No Sample Recovery. 7-16 50/5.5 Total depth = 71.5 feet. 75 80 100 40 Water Content (%) Plastic Limit | Liquid Limit Natural Water Content 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

HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract B
Seattle, Washington

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PROJECT NO.: 97061

DOCID 3364 LOCATION: DRILLING COMPANY: Cherokee DRILLING METHOD: B-59 Mobile, 4.5" ID HSA DATE COMPLETED: 3/3/98 LOGGED BY: MB SURFACE ELEVATION: 125 ± Feet ASTM SOIL CLASS PEN. RESISTANCE (blows/6 inches) SAMPLE NUMBER Standard Penetration Resistance SAMPLE TYPE OTHER TESTS PIEZOMETER SCHEMATIC (300 lb. weight, 30" drop) DEPTH (feet) ▲ Blows per foot SYMBOL DESCRIPTION 10 20 30 40 50 0 Loose, dark gray, slightly gravelly, silty fine SAND, moist. Trace wood (organics). (FILL) 3-3-5 5 At 5 feet, becomes very loose; few brick fragments. Very soft, dark gray, slightly gravelly, sandy ML \underline{Y} SILT, moist to wet. Some fine gravel and coarse sand. 10 10 No sample recovery SM Loose, dark gray, silty fine SAND, wet. Brick fragment. 1-2-2 Soft, dark gray, slightly sandy SILT, wet. Two ML 15 S-6 1-2-3 2"-thick layers of stiff dark grayish green clay. Very loose, olive gray, clayey fine SAND, wet. Some gravel to 1" diameter. Few silt lenses. 3-2-2 No sample recovery at 17.5 feet. 20 20 2-1/12" 1-2-1 25 GS 2-2-1 At 25 feet, 12" layer of saw dust and wood 3-1-1 At 27.5 feet, becomes fine to medium grained. Wood chips. 30 30 1-2-4 At 30 feet, wood fragments. ジ> Very soft, dark brown PEAT, wet, interbedded 1-2-2 with layers of dark gray fine sand to silt. Trace wood chips. Loose, dark gray, silty fine SAND, wet, 35 35 interbedded with soft, dark brown PEAT. SP Medium dense to dense, dark gray, slightly S-15 8-16-14 SM silty fine to medium SAND, wet. Trace wood. (RECESSIONAL OUTWASH) 40 60 80 100 0 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

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

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97061 PROJECT NO .:

A-15 FIGURE:

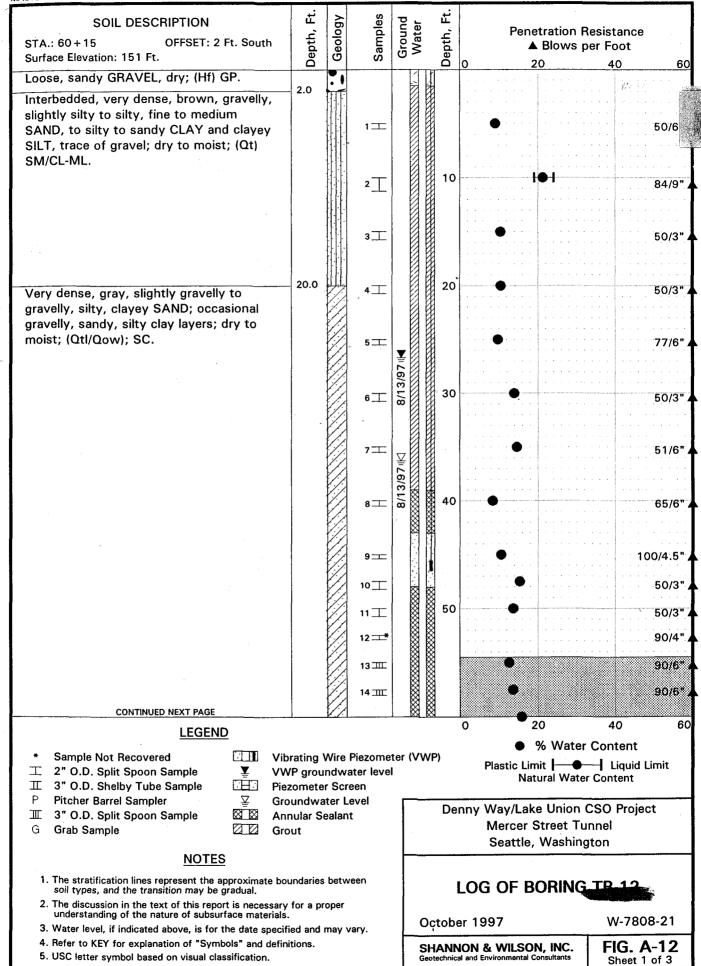
DOC ID 3364 LOCATION: DRILLING COMPANY: Cherokee DATE COMPLETED: 3/3/98 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA LOGGED BY: MB SURFACE ELEVATION: 125 ± Feet ASTM SOIL CLASS SAMPLE NUMBER Standard Penetration Resistance OTHER TESTS (300 lb. weight, 30" drop) DEPTH (feet) ▲ Blows per foot SYMBOL **DESCRIPTION** 10 20 30 40 S-16 5-23-26 GS At 40 feet, becomes dense, slightly silty, slightly gravelly. 3/8" minus subrounded gravel. S-17 4-18-35 (RECESSIONAL OUTWASH) 45 Dense, dark gray, silty fine to medium SAND, SM 45 S-18 5-12-20 GS Dense, dark gray, slightly silty fine SAND, wet. S-19 9-18-28 SM 55 At 55 feet, becomes medium dense. 2" thick layer of gray silt. Very dense, dark gray, fine to medium SAND, wet. 60 60 S-21 18-25-35 (ADVANCE OUTWASH) 65 65 S-22 9-19-30 At 65 feet, becomes medium grained. 70 At 70 feet, some heave. No sample recovery. Total Depth = 71.5 feet. 2" PVC piezometer installed to 50 feet. 80-100 40 60 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

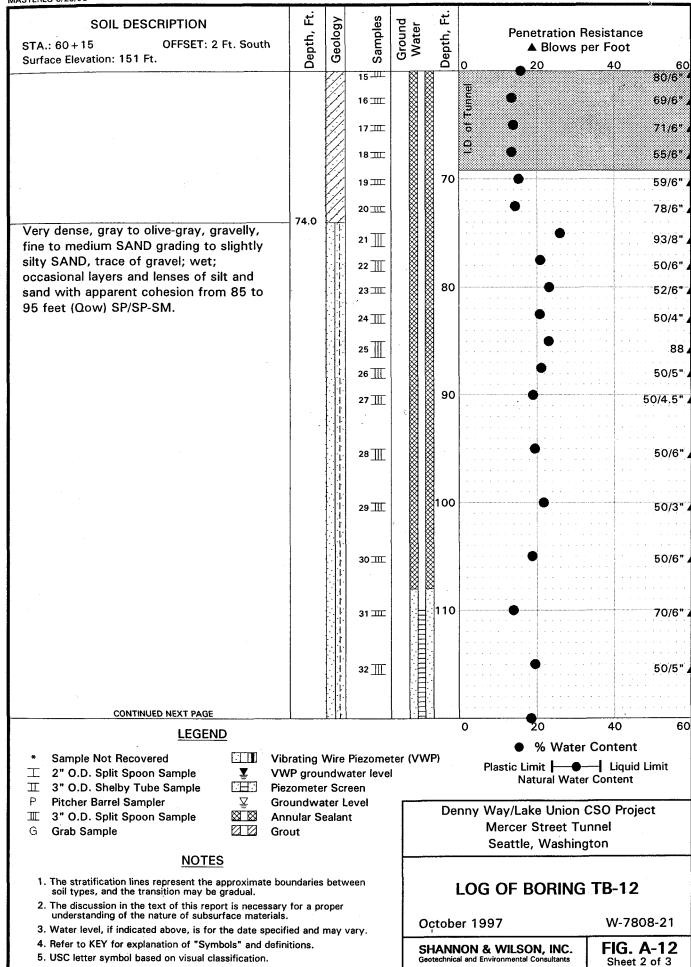
HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract B Seattle, Washington

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PROJECT NO.: 97061





SOIL DESCRIPTION STA.: 60+15 OFFSET: 2 Ft. South Surface Elevation: 151 Ft.	Depth, Ft.	Geology	Samples		Depth, Ft.	Penetration Resistance ▲ Blows per Foot 0 20 40 66				
BOTTOM OF BORING COMPLETED 8/1/97 Groundwater was initially encountered at 31 feet during drilling. NOTE: This boring was moved 5 feet north due to an obstruction encountered during drilling.	120.8	3	33_		30	50/3"				
					10					
					40					
				. 1	50					
				1	60					
				1	70					
LEGEND				· · · · · · · · · · · · · · · · · · ·		0 20 40 60				
* Sample Not Recovered	WP grou iezomete	undv er Sc				Water Content Plastic Limit				
Ⅲ 3" O.D. Split Spoon Sample	iroundwa Innular S irout				Dei	nny Way/Lake Union CSO Project Mercer Street Tunnel Seattle, Washington				
NOTES 1. The stratification lines represent the approximate be soil types, and the transition may be gradual. 2. The discussion in the text of this report is necessal understanding of the nature of subsurface materia	ry for a p					OG OF BORING TB-12				
3. Water level, if indicated above, is for the date spec 4. Refer to KEY for explanation of "Symbols" and def 5. USC letter symbol based on visual classification.	cified and	may	vary.	October 1997 W-780 SHANNON & WILSON, INC. Geotechnical and Environmental Consultants Sheet 3						

LOCATION: DRILLING COMPANY: Cherokee DATE COMPLETED: 3/17/98 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5" LOGGED BY: SG/RD SURFACE ELEVATION: 145.3 ± Feet ASTM SOIL CLASS SAMPLE NUMBER Standard Penetration Resistance OTHER TESTS PIEZOMETER SCHEMATIC DEPTH (feet) DEPTH (feet) (300 lb. weight, 30" drop) ▲ Blows per foot SYMBOL DESCRIPTION 10 20 30 40 50 Medium dense, grayish brown, silty gravelly fine SAND, moist, Fine to coarse gravel. Trace organics. 8-10-9 (FILL) -5 SM Medium dense, dark gray, slightly sandy fine 2-8-7 GRAVEL, moist. Coarse sand. Medium dense, dark yellowish brown, silty SM gravelly fine to medium SAND, moist. Fine to 5-6-12 coarse gravel. At 7.5 feet, brick pieces. 10 10 S-4 10-12-18 SM Medium dense to very dense, grayish brown, silty fine to medium SAND, moist. Trace fine gravel. > > At 12.5 feet, some charcoal. 8-20-35 Very dense, olive brown, silty fine SAND / 15 sandy SILT, moist. Trace fine gravel. (Till-like) ML S-6 10-31-50 (GLACIOMARINE DRIFT) 17-50 20-S-8 31-50/4 GS 15-38 50/3" 25 25 **■**S-10 50/4" S-11 40-50/3" 30 ■S-12 50/4 GS Very dense, dark gray, silty fine to medium SM SAND, moist. Trace fine gravel. ■S-13 50/4 Very dense, dark gray, fine to medium SAND, SP 35 **□**S-14 50/3 wet. Thin layers of silty and coarse sand. Some gravel. $\overline{\Delta}$ S-15 40-50/3" GS (OUTWASH) 100 20 60 80 0 40 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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

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

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97061 PROJECT NO .:

FIGURE:

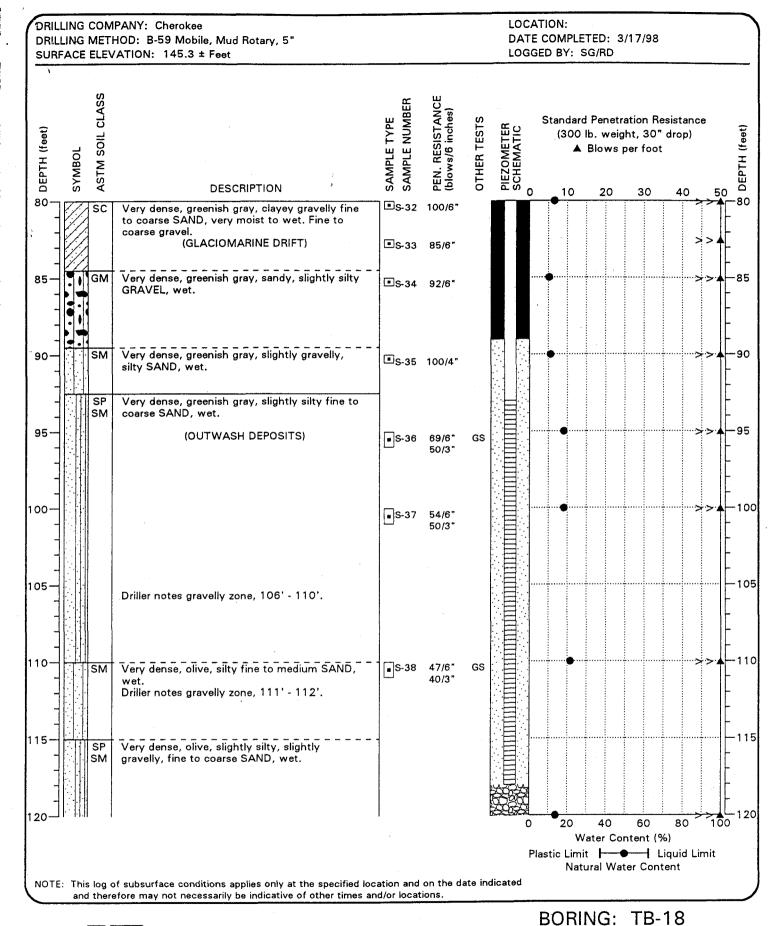
LOCATION: DRILLING COMPANY: Cherokee DATE COMPLETED: 3/17/98 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5" SURFACE ELEVATION: 145.3 ± Feet LOGGED BY: SG/RD ASTM SOIL CLASS SAMPLE NUMBER Standard Penetration Resistance SAMPLE TYPE OTHER TESTS PIEZOMETER SCHEMATIC O DEPTH (feet) (300 lb. weight, 30" drop) ▲ Blows per foot SYMBOL DESCRIPTION 10 20 30 40 50 ■S-16 31-50/3" GS At 40 feet, sand is fine to coarse. Gravel is fine to coarse. (OUTWASH) SM Very dense, dark gray, silty fine SAND / sandy ■S-17 50/4" ML SILT with fine embedded gravel, wet. (Till-like) 45 (GLACIOMARINE DRIFT) ■S-18 50/3" At 45 feet, 2-1/2" rock in sample tip. ジン **⊡**\$-19 50/4 50 **⊡**S-20 50/3" Very dense, dark gray, very silty fine SAND, wet. Trace gravel. **■**S-21 50/3" GS 55 55 **■**S-22 50/4" Hard, dark gray, fine sandy gravelly SILT, moist. Fine to coarse gravel. **□**S-23 50/3" 60 60 **■**S-24 50/4 ■S-25 50/4 Hard, dark gray, slightly gravelly, very sandy 65 65 SILT, very moist. Fine sand. Trace fine gravel. ■S-26 50/4" (GLACIOLACUSTRINE DEPOSITS) S-27 47-50/4" GS Very dense, dark gray, silty fine SAND, wet. 70 Trace fine gravel. (Till-like) ■S-28 50/37 (GLACIOMARINE DRIFT) **■**S-29 50/5" 75 **■**S-30 50/5" Very dense, greenish gray, clayey gravelly fine to coarse SAND, very moist to wet. Fine to **■**S-31 50/3 coarse gravel. 80 0 20 40 60 80 Water Content (%) Plastic Limit Liquid Limit Natural Water Content 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 GEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract A
Seattle, Washington

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PROJECT NO.: 97061

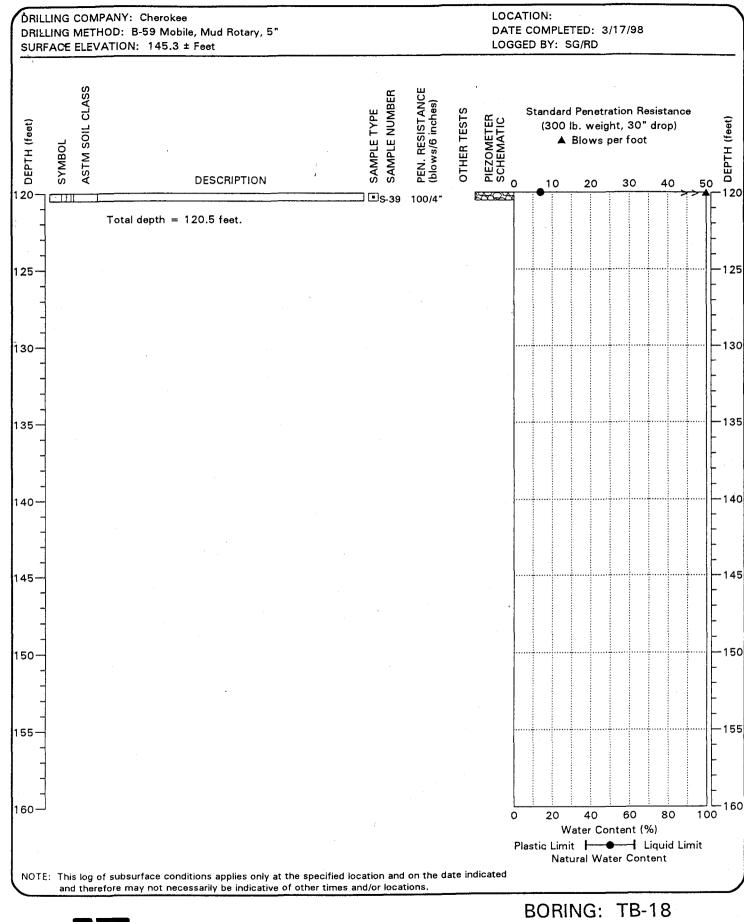


HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract A Seattle, Washington

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PROJECT NO.: 97061



HWAGEOSCIENCES INC.

Denny Way / Lake Union CSO, Contract A Seattle, Washington

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PROJECT NO.: 97061

GOV

773 Valley Street, S Date Started: 10/22/92			Well No.	MV					
عبدان ويستنين ويستندسه فالكالة فالبدد بيد والباد	Completed: 10/22/92		Polet Elevation During Drillin		8.11		Depth (ft)		
Logged By: T. Ramsdan	Checked By: BH		bedule 40 PV		4.3	*****	lized (ft): Bit Diamer	7.4	
Drilling Co: Tacoma Pump & I			0.010 Slot		E	from	14 R	to	4 n
Drilling Mahod: Rollove-stein A	nger	Pack: 10-2			333		15 ft	to	3.5 M
De lling Equipment: Mobile B-16	*	Seal: Bent	onite			from	3.5 ft	to	1.5 ft
Sumpler: Split Spoon		Cem			88	from	1.5 ft	to.	0 0
F E LITHOLO	GIC DESCRIPTION	Lithelogy	Monitoring Well Countruction	Blow Counts	(mdd)	Recovery (%)	REM	(AR	KS:
FILL 50% sand and silt 90% etc. Durk black, west clay. Tarry as	l bricks, concrete blocks, reilroad spikes, ppearance, so od st.			7 10 10	O	75			
Sendy STIT Red and black, fi	ine grained sead, 15% fine graves, very	Ma History West		16 16 12		55			-
in clay mostly well abunded, sale	o course grained, 10% fine gravet, 15% urated. Willia gold calored biodic. Powible ally	J. S. W.		23 28 34					
20 -	·								
25	RAFT								
30						of my winds (44 thinks of the first season of the season o			
33-					-	Hammen de de la companya de la comp			
Project: 26203Y/02	Davis	Associate			I				

GOUX

B Monuett Industri					<u> </u>	$r_{\rm e}$	
Project: Maryatt Industri 773 Valley Street	s. Seattle, Washington	Log of Well No. M	IW2			·	
Da & Started: 10/22/92	Completed: 10/22/92	Measuring Point Elevation (ft):	30.86	Total D	epth (ft):	15.0	
Logged by: T. Ramsden	Checked By: BH	'Water Level During Drilling (A):		Stabiliza		10.2	
Drilling Co: Tacoma Pump	b Drilling	Casing: Schedule 40 PVC			Diamete		10"
Drilling Method: Hollove-stere	Auger	Perforation: 0.010 Slot		from	15 A	CO CO	5 ft
Drilling Equipment: Mobile 11-	56	Pack: 10-20 Sand		from_	15 N	ю	4 ft
Surspice: Split Spoon		Soal: Bentonite		(tom	4 ft	to 1	1.5 ft
)	Cement Monitoring			1.5 ft	(O	0 ft
LITHOI	CGIC DESCRIPTION	Lithology Monitoring Well Construction	Count. OVM (ppm)	Recovery (%)	REM.	ARKS	3
FILL Chy, and bricks SILC Medium granish-ta so odor, <10% wood freg	and a standard prance verifier around such as the			95			
10 mydracarbon odor, (ГШТ)	to brown, very mousi, cohesive, muderate	X :		70			
15 seturated, weak by drocust on	icom and dark groon, modium grained.			30			
25-	RAFT						
30 -							
35							
Preject: 26203W02	Roux	Lssociates	L				\dashv
		70.4103		· ·	age I	OI A	

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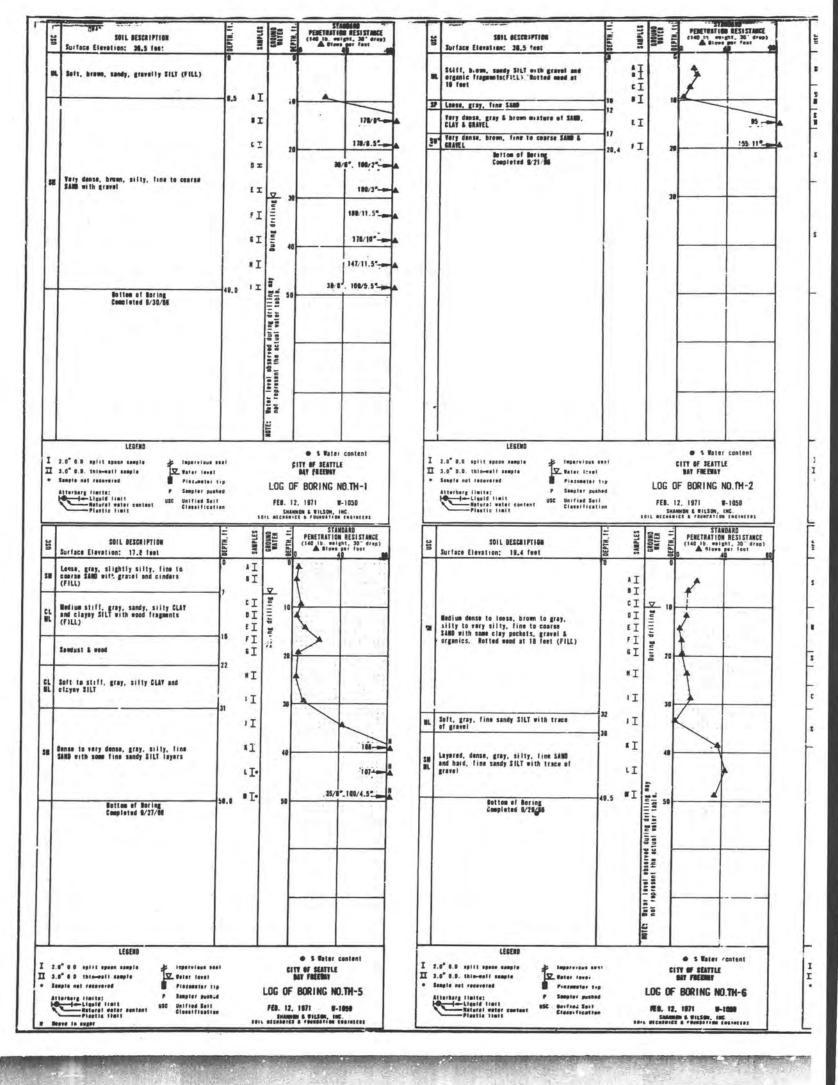
Logged By: T. Ramsden Checked By: BH Water Level During Drilling (R): 12 Drilling Co: Tacoma Pump & Drilling Casing: Schedule 40 PVC Drilling Method: Hollow-Stem Auger Perforation: 0.010 Slot Drilling Equipment: Mobile 13-56 Sungler: Split Spoon Centent Monitoring a a	•	 		<u> La</u>	
Logged By: T. Ramsschen Checked By: BH Water Level During Drilling (R): 11 Drilling Co: Tacoma Pump & Drilling Drilling Method: Hollow-stem Auger Drilling Equipment: Mobile B-56 Sampler: Split Spoon Centent LITHCL CGIC DESCRIPTION Lithology Monitoring Well Construction of Monitoring Well Construction of Monitoring Well Construction of Monitoring of Monit	73				
Drilling Co: Facoma Pump & Drilling Drilling Method: Hollow-Stein Auger Prilling Equipment: Mobile B-56 Sampler: Split Spoon Centent LITHCL CGIC DESCRIPTION Lithology Lithology Construction Silv: Sand Eil Light grave at brown, meet, a lightly cohesive, no odor. San ir Sal Eil Dark brown to green, very moin, cohesive, no odor. Silv: Sand Eil Tra, fine to medium grained, <10% fine gravel, moin, ook sive, no odor. Silv: Sand Eil Medium xxxxxx to black, broken glass fragments, some gravel, wet, cohesive, wery weak hydrocarbon odor.	2.04	Tota	al Depth (ft	t): 17	<u> </u>
Dr. Hing Equipment: Molièle 13-56 Sampler: Split Spoon Cement LITHCL CKGIC DESCRIPTION Lithology Lithology Sile: Sand Ell Light grow int-brown, racin, a lightly cohesive, no odor. Sile: Sand Ell Light grow int-brown, racin, a lightly cohesive, no odor. Sile: Sand Ell Light grow int-brown, racin, a lightly cohesive, no odor. Sile: Sand Ell Light grow int-brown, racin, a lightly cohesive, no odor. Sile: Sand Ell Light grow int-brown are in, a lightly cohesive, no odor. Sile: Sand Ell Light grow int-brown are in, a lightly cohesive, no odor. Sile: Sand Ell Light grow int-brown in grainol, <10% fire grevel, moint, other incomments, and some gravel, well, cohesive, well weak hydrestrion odor. Sile: Sand Ell Medium serven to black, broken glass frequents, some gravel, well, cohesive, well weak hydrestrion odor.	2.0		ilized (ft):		
Dr. Hing Equipment: Molièle 13-56 Sangter: Split Spoon Centent LITHCL CKIC DESCRIPTION Lithology Construction Six: Sand Ell Light grow at-brown, meint, a lightly cohesive, no odor. Sandr Salt Ell Light grow at-brown, meint, a lightly cohesive, no odor. Six: Sand Ell Light grow at-brown, meint, a lightly cohesive, no odor. Six: Sand Ell Light grow at-brown, meint, a lightly cohesive, no odor. Six: Sand Ell Light grow at-brown, meint, a lightly cohesive, no odor. Six: Sand Ell Light grow at-brown, meint, a lightly cohesive, no odor. Six: Sand Ell Light grow at-brown are gravel, moist, other cohesive, no odor. Six: Sand Ell Light grow at-brown in black, breken glass frequencies, some gravel, wet, cohesive, wery weak hydren rhon odor.		Drif	l Bit Diame	uer (io	: 10 ⁺
Sancter: Split Spoon LITHCL CGIC DESCRIPTION Lithology Construction Sile: Sand Eil Light gross ist-brown, racist, a lightly cohesive, no odor. San by Salt Eil Durk brown to green, very moist, cohesive, no odor. Sile: Sand Eil Tea, fine is: medium grainol, <10% fure grevel, moist, cohesive, no odor. Sile: Sand Eil Tea, fine is: medium grainol, <10% fure grevel, moist, cohesive, no odor. Sile: Sand Sand Eil Tea, fine is: medium grainol, <10% fure grevel, moist, some gravel, well as some gravel, well, echesive, way weak hydrocerbon odor.	具	from		lo	7 A
Sile: Sand Ell Light grant at horsen, moist, sightly cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, sightly cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor. 10 Sile: Sand Ell Light grant at horsen, moist, cohesive, no odor.				to	611
LITHCL CGIC DESCRIPTION Lithology Well Construction of Constr	DOCO			فا	1.5 M
Sith Sand Fill Tea, fine to medium grained, <10% fine gravel, moint, coheave, no odor. Sith Sand Fill Tea, fine to medium grained, <10% fine gravel, moint, coheave, no odor. Sith and Sand Fill Medium xown to black, broken glass fragments, some gravel, wet, coheave, were weak hydrocarbon odor.		<u>ात्रा</u>	1.5 n REN	MARI	<u>0 n</u>
Site Sand Fill Medium wown to black, broken glass frogments, some gravel, well, well, well, well, well, well, well weak hydrocarbon odor.		30			
15 Some gravel, well, cohesive, well weak hydrocarbon odor.	s	95			
	7	70	· ·		
25					
30					
35					
Project: 26203W02 Roux Associates		_	Page I		_

Duc Strate	d. 10/23/92	Seattle, Washington Completed: 10/23/92	Mescuria	Point Elevation	(6): 4:	^ O4				
	: I. Ramsden			Point Elevation al During Drillin		0.94		Dopth (ft)		
 		Checked By: BII		chedule 40 PV		J.V		llized (ft): Bit Diamo:	21.5	
	Tacoma Fump &		} 	: 0.010 Slot		Ħ	from	30 ft	(ui):	15
	ni od: Hollow-stern		Pack: 10-2				from	30.5 ft		13 12.5
	uioment: Mohile II-50	6	Seal: Bent					12.5 ft	to	2
Sampler S	plit Spoon		Cem	ent		***	from	2 ft	to	0
(F)	LITHOLO	OGIC DESCRIPTION	Lithology	Mon toring Well Construction	Strapie Blow Counts	MyO (mqq)	Recovery (%)	REM	IAŁK	3
		with in second to Norks near surface.			44 50/2*		75			
-	ke.SANO Maddum grained ke.SANO Benda, 1088 gen	well up 1°, moist slightly loose, so odor.			50/2* 20 50/4*	0	100			
(10 - S2)	to SANI! Dark brown, Sele	O's graved very moust, cohesive no	¥		25/2*		o	orf	Vi T	
- <u>s.</u>	s<u>Y.SO.</u>] B .cvt, <13% 6	lino gen रहे, कर दर्शका, movist, cobberive.		-	50/4*	111	00	V		
30 — San	nry.SDJ Gray-green, 4.55	% facegrand, very moist, bard, so odor.			50/6*	1	∞			
	x SAND Greenith gire), was it is given by the contract of the	actives a crasse grained, < 10% gravel	SP	X	58 43 50/4*	10	00			

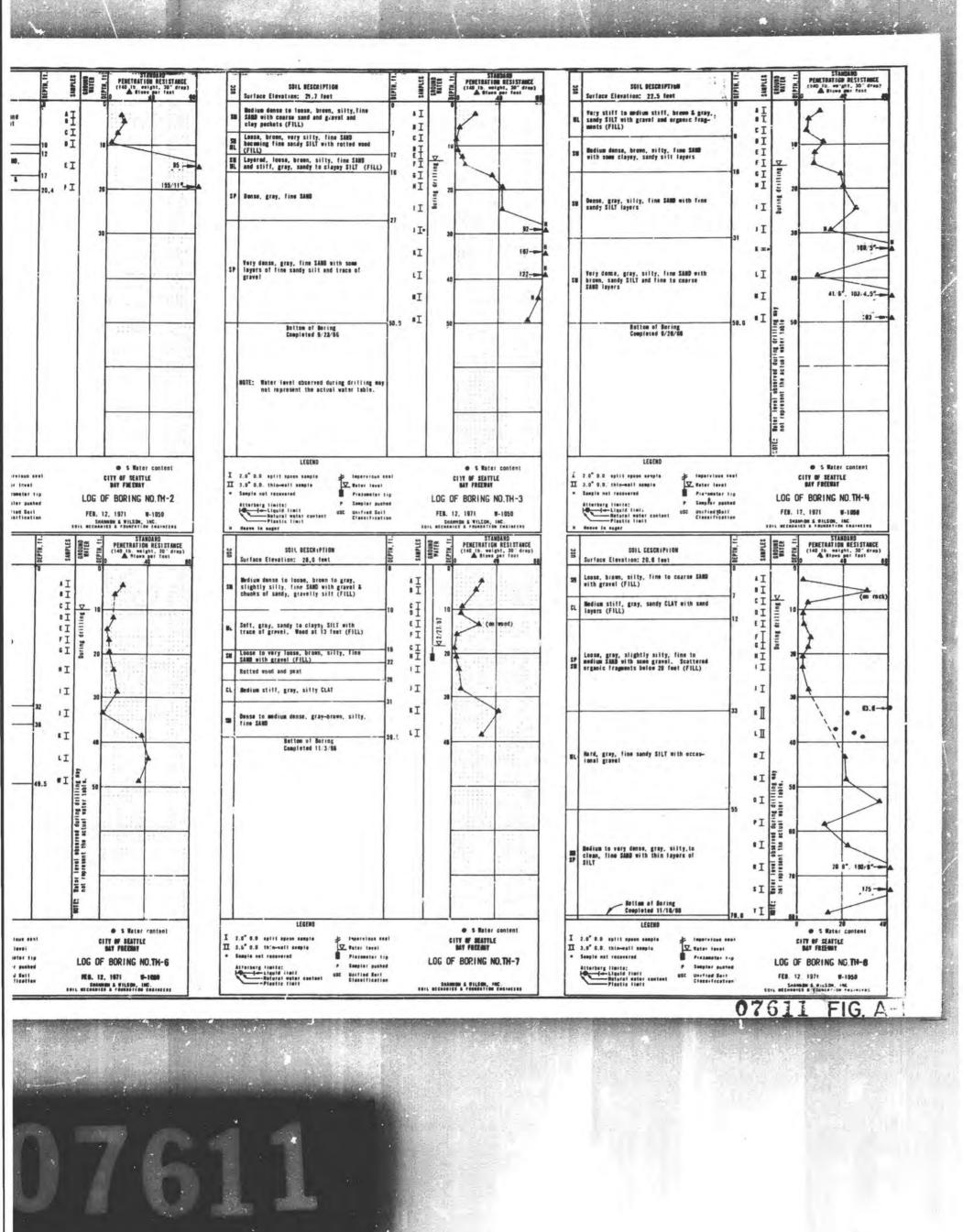
B.F							L		L
Frojee:: Maryart Industries 773 Valley Street, S	eattle, Washington	Logo	f Well No	. M	IW5				-
Duk Started: 1(1/27/92	Completed: 10/27/92	Measuring	Point Ele 1	uioa (ft):	47,20	Total	Depth (it)	31.5	
և։g;;ed 8յ։ В. Н.Ш	Chacket By: TR	Water Lev	el Durlag D	rilling (ft):	26.0		lizo((A):	2:9	
Deilling Co: Tacoma Fump & 1	Orilling	Casing: S	cheduk: #	PVC		Driij	Bit Diame	e: (in):	10"
Drilling Med od: Hollow-stem A	uger	***	: 0.01(\$1	lot		from	30 ft	to	15 ft
Deilling Equipment Mobile X-56		Pack. 10-2					30 ft	to	13 R
Sampler Split Spoon		Scal: Ben			1000		13 ft	ю	1 ft
se	GIC DESCRIPTION	Lithology	Mon tori Well Construct	Stow Blow	Counts OVM (sppm)	TAT	1 ft REV	IARK	<u> </u>
Eil Medican brown, 50% grav	rel, 30% sit., 20% sand, ducup, no adol			X 45.6	0	70			
Sandy Grand Geny, medic, 505	f graech 40% ion ac sanc, 10% ailt, ac	GW DO:		X 2 6 7	0	70	RAF		
Sin SAND Grey-brown, HUR Lo (dox.	fine sand 40≯ sul, hard pack of, dry,			72 10 14	0	80			
Sin most GRAY EL Churt grey mois, no oder.	, 66.9 g-av-t, 20.3 sand, 20% sift,	0.0 GW \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		26 40	0 :	25			
As above, seedium brown, well to	n oler.	C.O.		20 77 15	0 7	0			
15									
Project: 26203VV02	Roux	Associates					Page I	of 1	

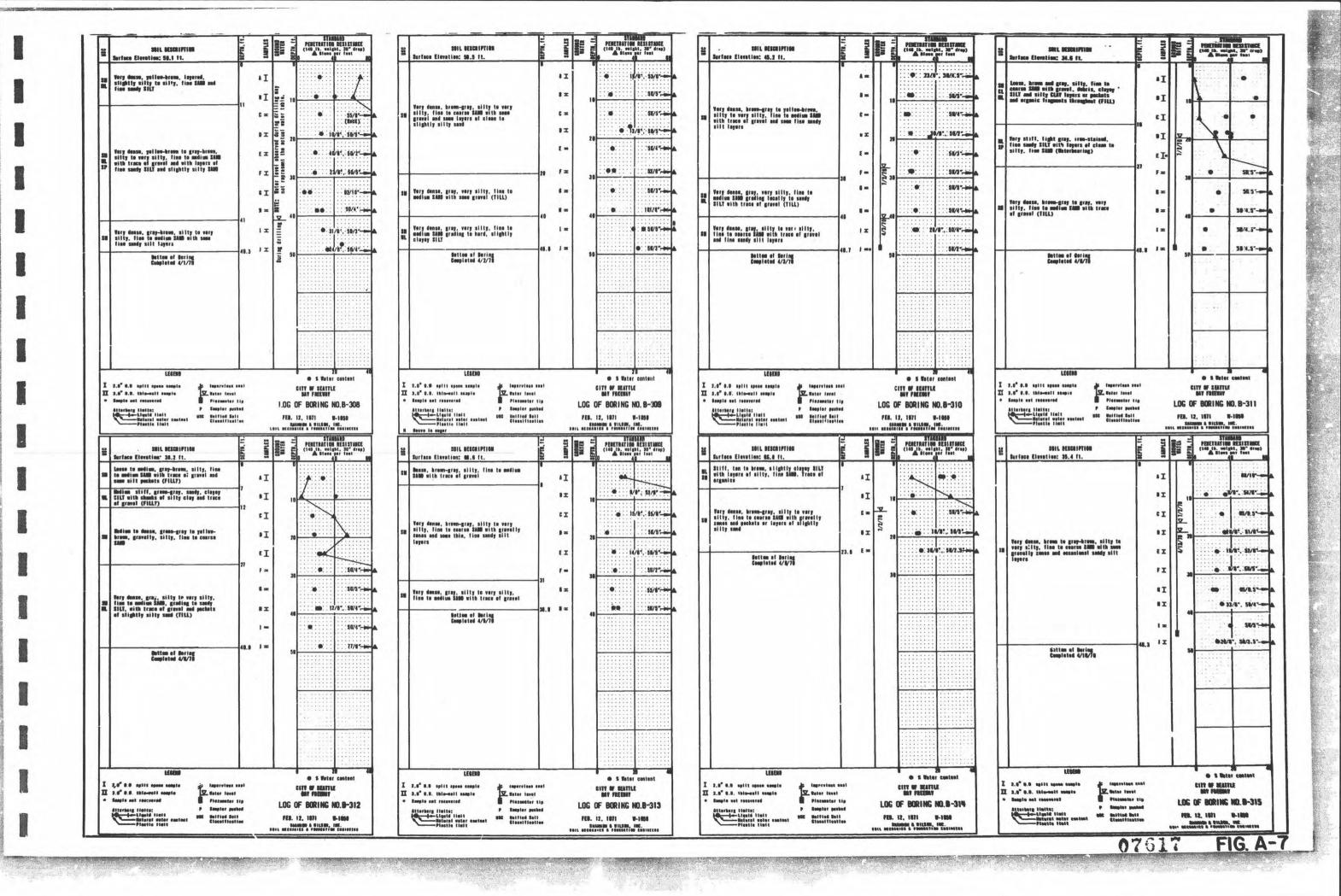
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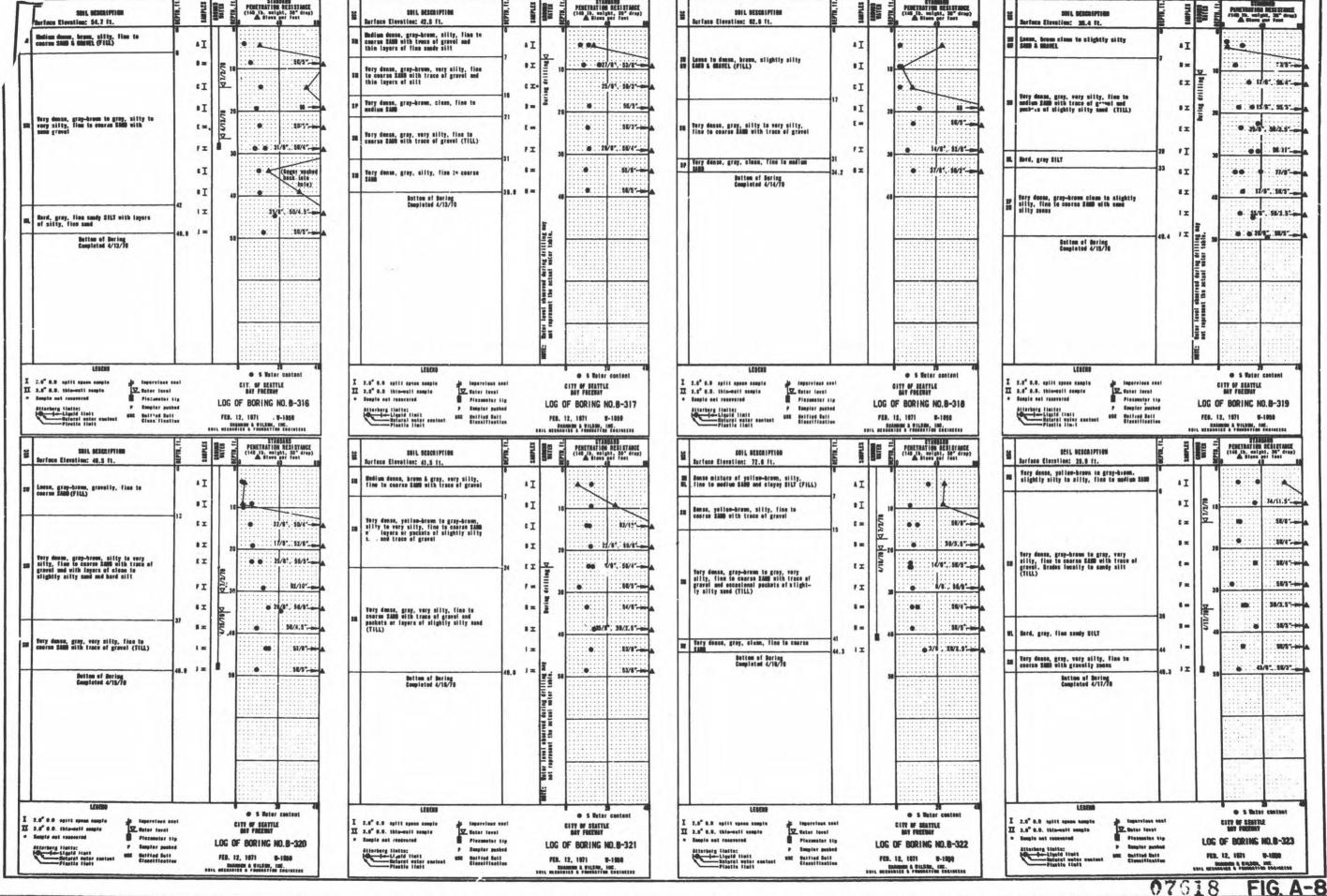
Lidiec	i: Maryatt Industries 773 Valley Street, Seattle, Washington	Log of Well No. MW6
Dete Se	artod: 10/27/92 Completed: 10/27	1/92 Measuring Point Elevation (h): 35.39 Total Depth (h): 22.0
rottec	By: B. Hall Checked By: TR	Water Lovel During Drilling (A): 17.0 Sublited (A: 178
Drittin;	Co: Tacoma Pump & Drilling	Casing: Schedule 40 PVC Erill Bit Distractor (in): 10
Drillin;	Method: Hollow-stem Auger	Perforation: 0.010 Skt
Drillin,	g Equipment: Mobile B-56	Pack: 10-20 Sand [23] from: 22 ft to 10 Seal: Bentonite [16] from: 10 ft to 2
fample	r: Split Spoon	Seal: Bentonide III frui 10 ft to 2 Cement III frui 2 ft to 0
(jest) ()	LITHOLOGIC DESCRIPTION	Monitoring o
6	EM Medium brown, 50% gravel, 30% sand, 20% rin, brick f dame, no odor.	
10 -	" As above, abundant brick fragments,	
15	As above, grey, moint, so edor.	
20 -	As above, wel, no odor.	
25		
30	DRAFT	
35		
	pject: 26203W02	Roux Associate Page 1 of 1

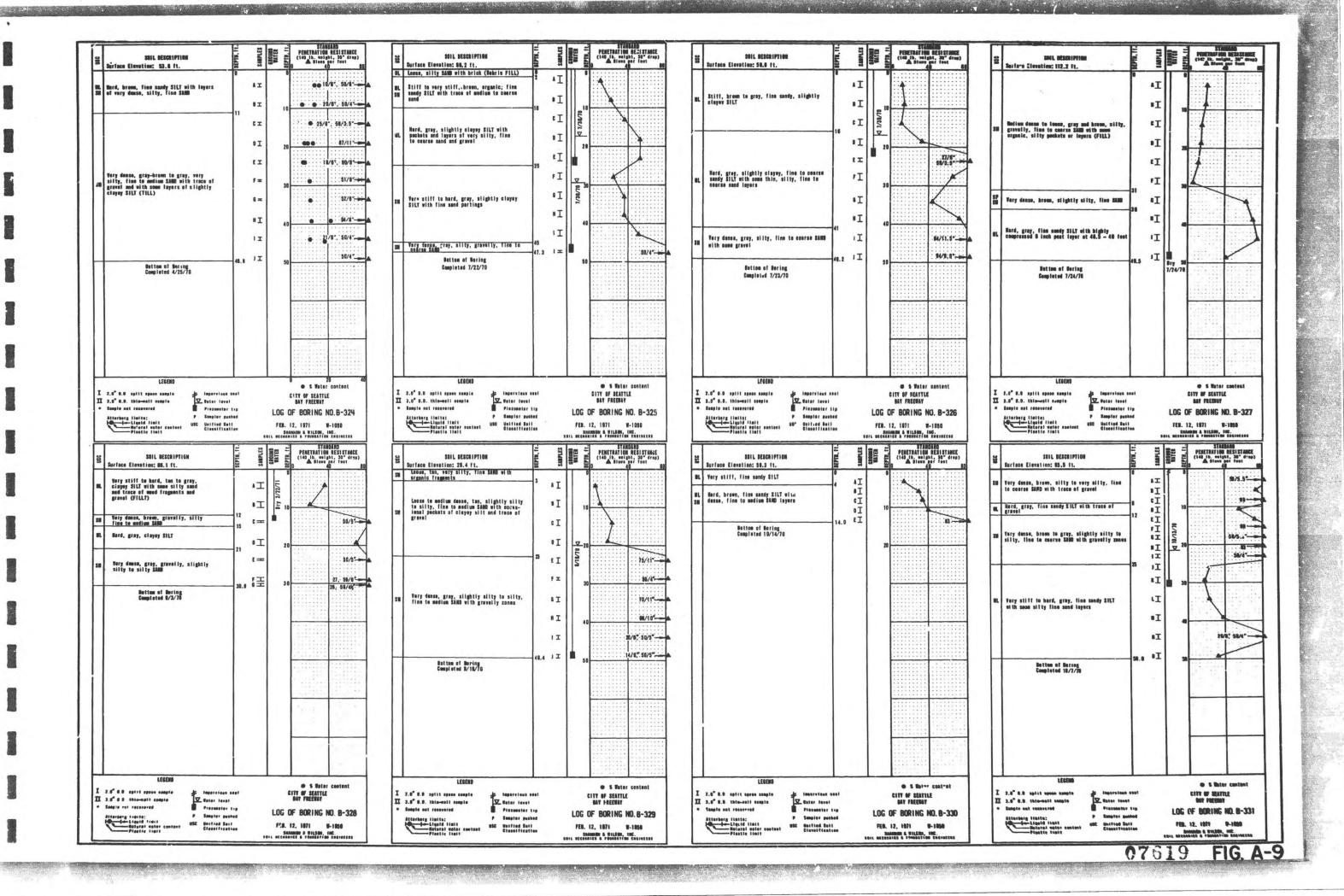


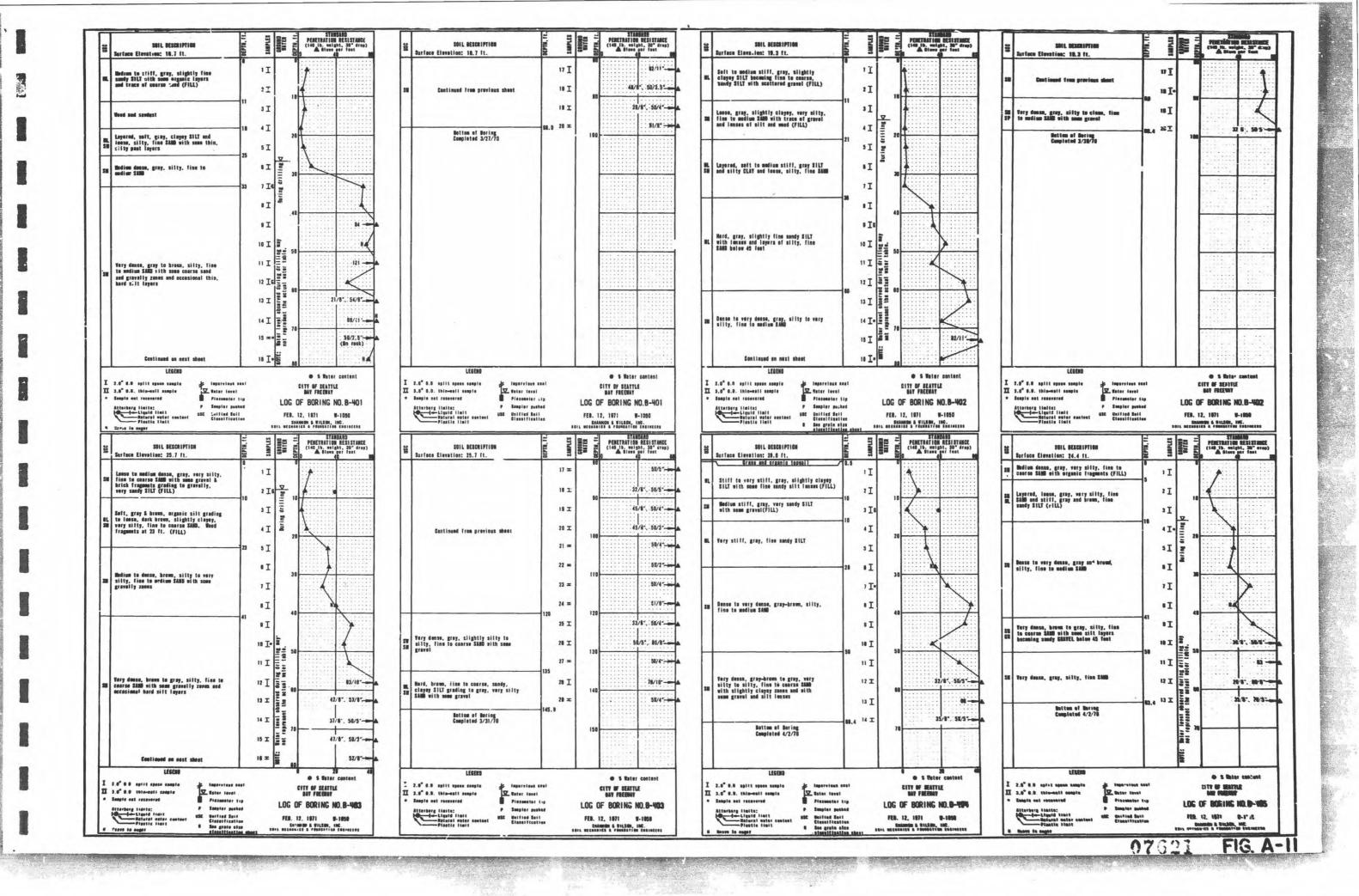












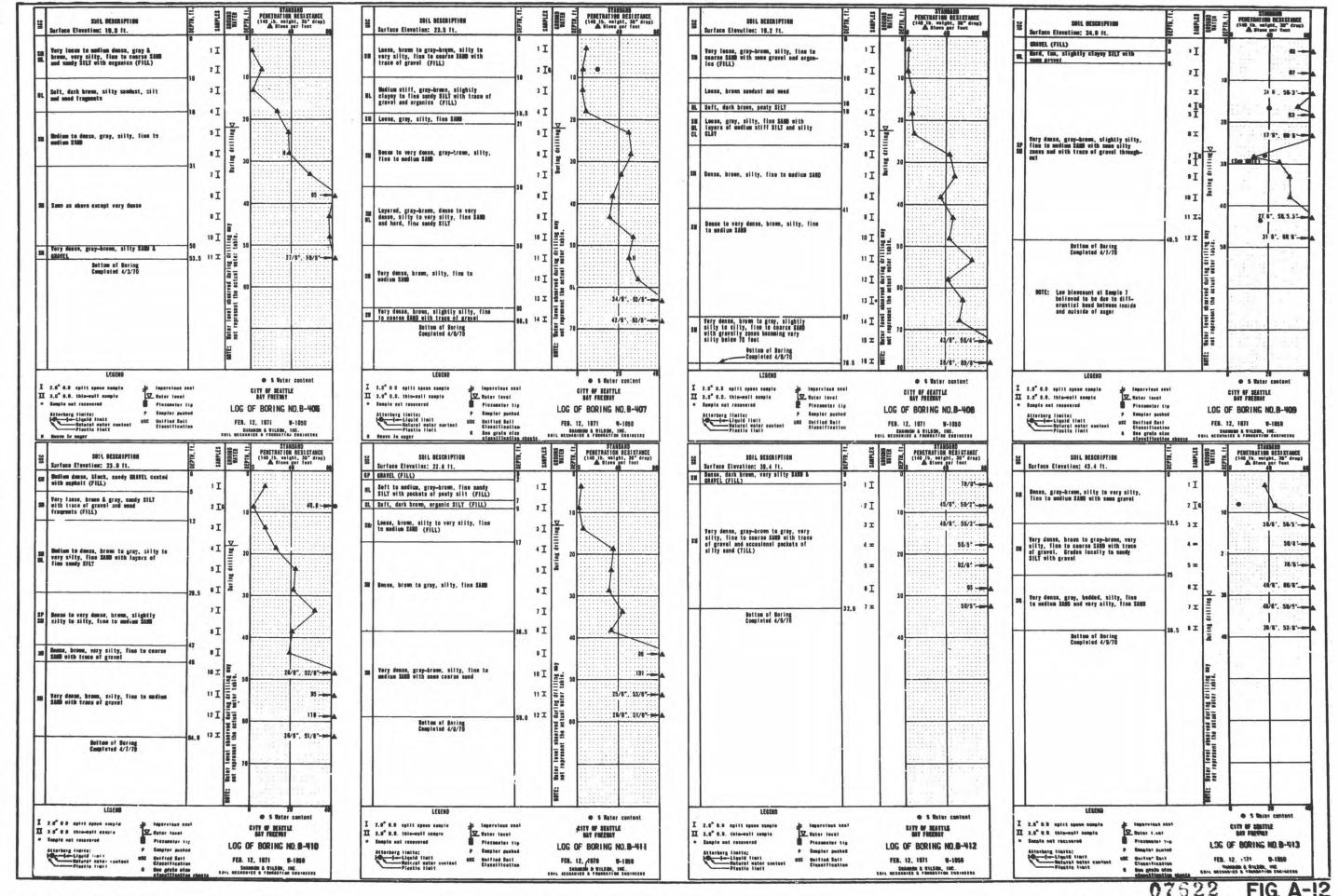
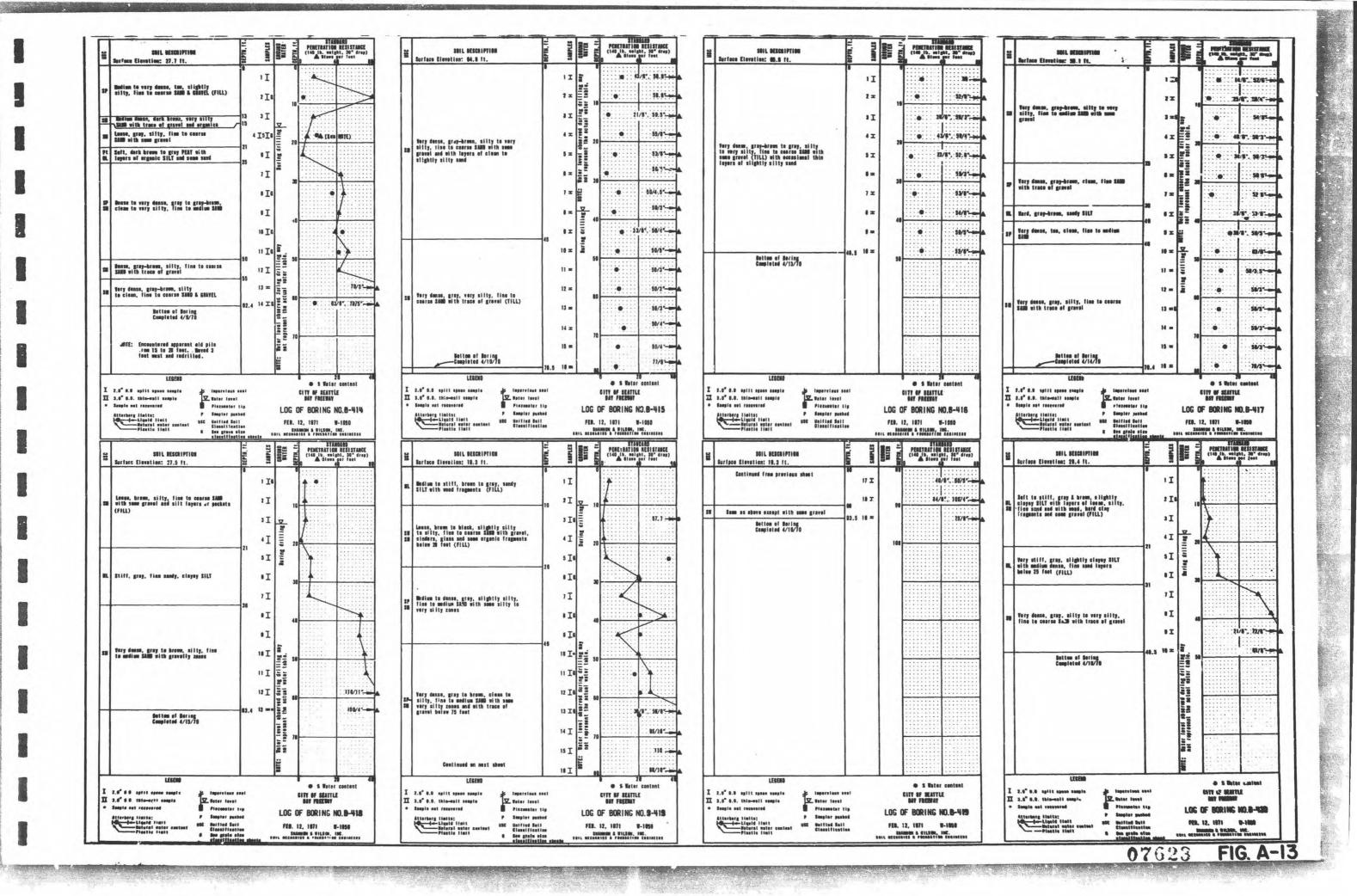
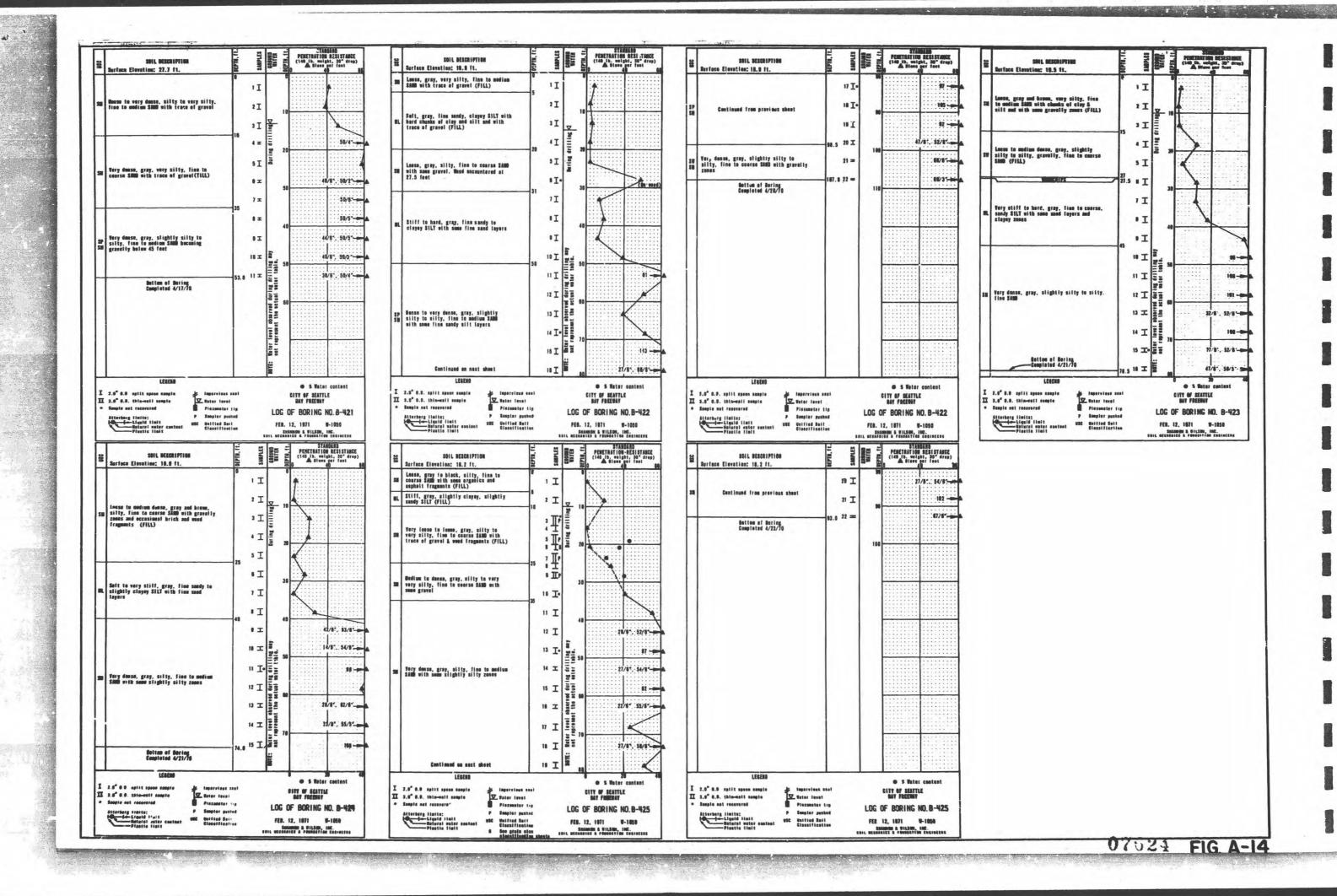
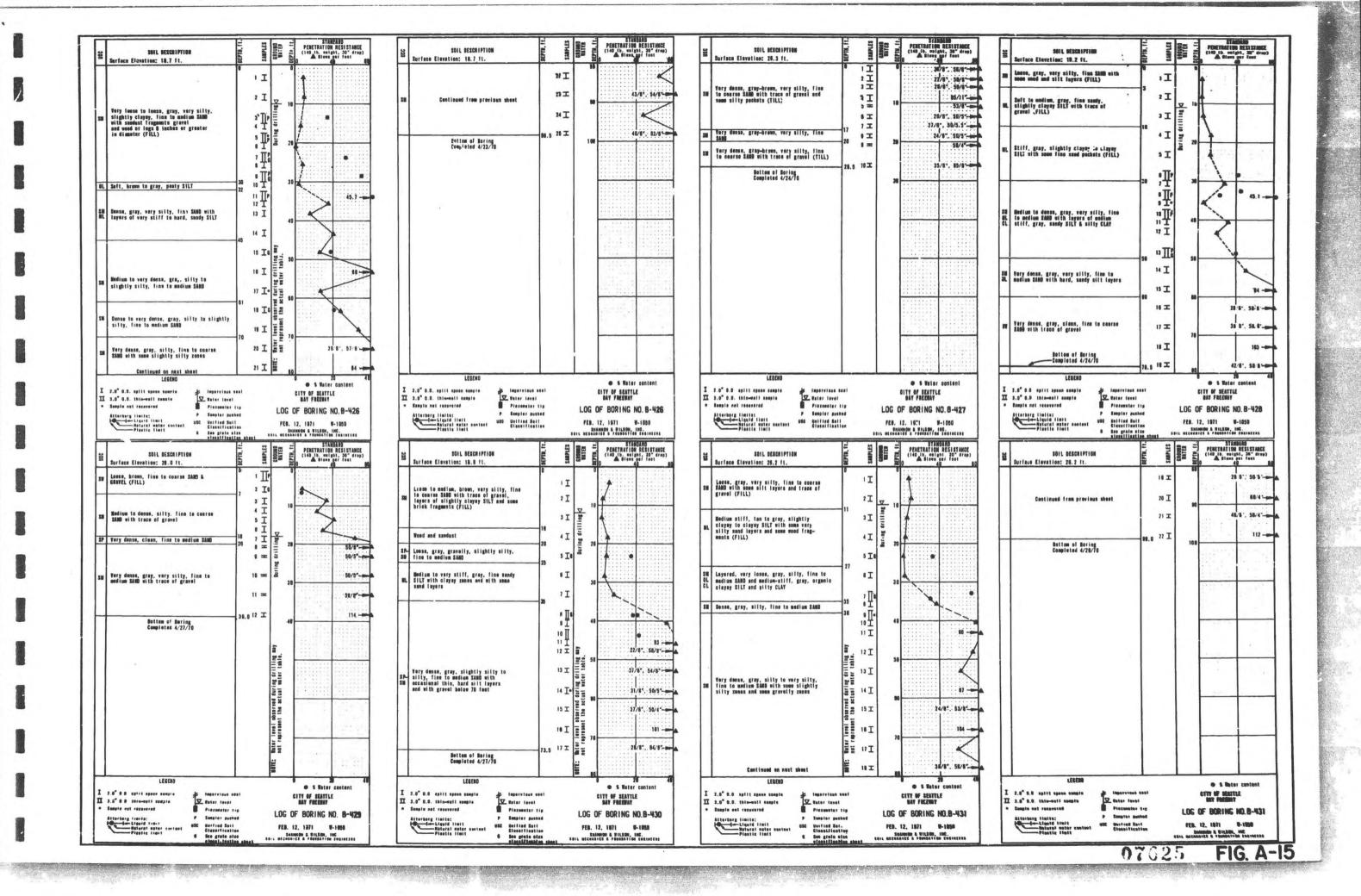
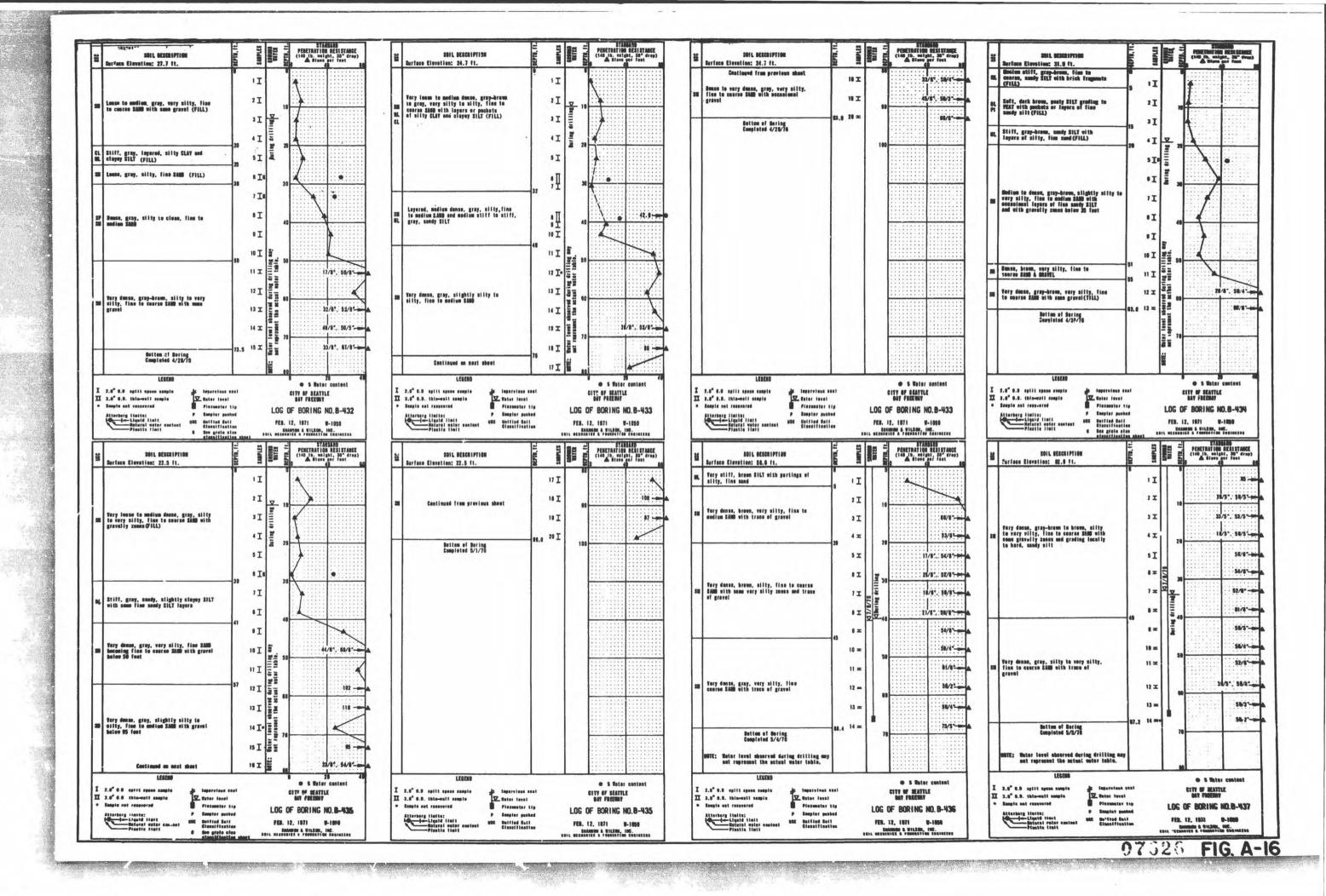


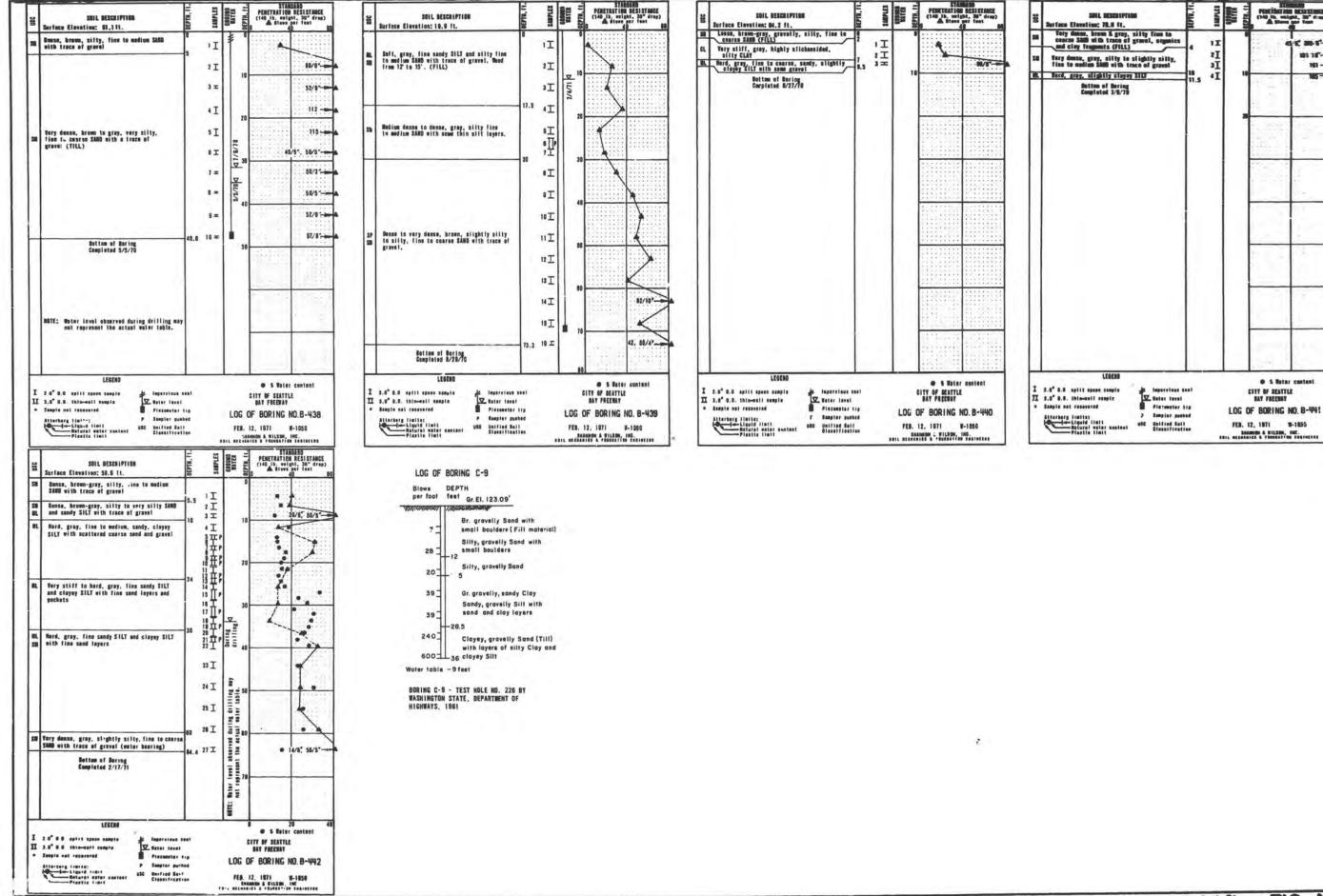
FIG. A-12











101 15-

161 -



Project Number: 0797-001 Logged by: RAH; DMM Date Started: 7/9/2012 Surface Conditions: Concrete

Site Address: 700 Dexter Avenue North

BORING

Seattle, Washington

LOG | MW101

B101

feet bgs

feet bgs

Well Location N/S: 10.8' north of the north wall of the warehouse area

28.5' east of the east wall of the auto shop Well Location E/W:

Reviewed by: CCC **Date Completed:** 7/17/2012 Water Depth At Time of Drilling: 21 Water Depth After Completion: --

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

Drilling Equipment: LAR Sonic Sampler Type: Core Barrel

Drilling Co./Driller:

Hammer Type/Weight: lbs **Total Boring Depth:** 140 feet bgs **Total Well Depth:** 115 feet bgs State Well ID No.: **BCK 014**

Major Drilling/Dan

Well/Auger Diameter: 2/8.6.4 inches 105 to 115 Well Screened Interval: 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

Page: 1 of 10



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

28.5' east of the east wall of the auto shop Well Location E/W:

Reviewed by: CCC

Water Depth At Time of Drilling: 21

BORING

feet bgs

Date Completed: 7/17/2012

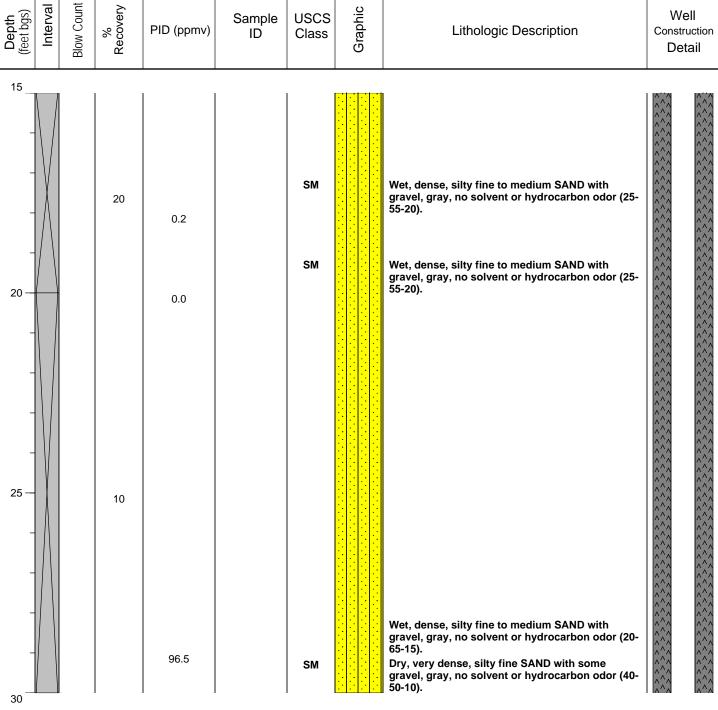
Water Depth After Completion: -feet bgs

B101

Seattle, Washington

LOG | MW101

Site Address: 700 Dexter Avenue North



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

Page: 2 of 10



Project Number: 0797-001 Logged by: RAH; DMM **Date Started:** 7/9/2012

LOG | MW101

B101

Site Address: 700 Dexter Avenue North Seattle, Washington

10.8' north of the north wall of the warehouse area Well Location N/S:

28.5' east of the east wall of the auto shop Well Location E/W:

Concrete

Reviewed by: CCC **Date Completed:** 7/17/2012 Water Depth At Time of Drilling: 21

BORING

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).	
-	$/\setminus$			93.4	B101-34	SP-SM		Damp, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon	
35 —				154		SM		odor (15-70-15). Damp, very dense, silty fine SAND with gravel,	
-	$\setminus /$			121				gray with brown mottling, no solvent or hydrocarbon odor (20-65-15).	
-	\bigvee		100	127		SM		Damp, very dense, silty fine SAND with gravel, brown with reddish brown mottling, no solvent or	
_				60.9			. [. [.].	hydrocarbon odor (20-70-10). 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).	
-	\setminus /			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).	
_	$/ \setminus$			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

Total Well Depth:

State Well ID No.:

feet bgs 115 feet bgs BCK 014

2/8.6.4 Well/Auger Diameter: inches 105 to 115 Well Screened Interval: 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

Page: 3 of 10



Project Number: 0797-001 Logged by: RAH; DMM **Date Started:** 7/9/2012 Surface Conditions: Concrete

LOG | MW101

B101

Site Address: 700 Dexter Avenue North Seattle, Washington

10.8' north of the north wall of the warehouse area Well Location N/S:

28.5' east of the east wall of the auto shop Well Location E/W:

Reviewed by: CCC Date Completed: 7/17/2012 Water Depth At Time of Drilling: 21

BORING

feet bgs Water Depth After Completion: -feet bgs

					te completed.	,,,,,	2012	Trace: Boptimite: Completion	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
1,5									
45				82.3		SM		Damp, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
_			100	56.9	B101-47	SP-SM B101-47		Moist, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				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).	
50				13.8		SM		Damp, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
				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

BCK 014

State Well ID No.:

2/8.6.4 Well/Auger Diameter: inches 105 to 115 Well Screened Interval: feet bgs Screen Slot Size: 0.010 inches Filter Pack Used: Colorado Silica Sand Concrete

Surface Seal: **Annular Seal:** Bentonite grout **Monument Type:** Flush Mount

Notes/Comments:

Set conductor casing at 40 and 80 feet

Page: 4 of 10



Project Number: 0797-001 Logged by: RAH; DMM **Date Started:** 7/9/2012

Site Address: 700 Dexter Avenue North

Seattle, Washington

LOG | MW101

B101

10.8' north of the north wall of the warehouse area Well Location N/S:

28.5' east of the east wall of the auto shop Well Location E/W:

Reviewed by: CCC **Date Completed:** 7/17/2012 Water Depth At Time of Drilling: 21 feet bgs Water Depth After Completion: -feet bgs

BORING |

				Da	te Completed:	//1//	2012	water Depth After Completion:	reet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60									
		Y		59.5		SM		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (35-45-20).	^^
-	1\ /			1.3				40-20).	
- 65 —		\	100	4.2	B101-65	SM		Dry, very dense, silty fine SAND and trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
-	/	V		7.4	B101-03	SM		Wet, dense, silty fine SAND and gravel, gray, no solvent or hydrocarbon odor.	
-			05	7.4				·	^^^ ^^^ ^^^
-			95	5.4		SM-ML		Damp, very dense, silty fine SAND and trace gravel, gray, no solvent or hydrocarbon odor (50-	
	$/ \setminus$			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).	
-			100	0.0		SM SM		Dry, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (40-55-5). 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).	^^^
75		Λ		0.2	B101-75			, ,	\^^^
1									

Drilling Co./Driller: Major Drilling/Dan **Drilling Equipment:** LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: lbs 140

Total Boring Depth: feet bgs **Total Well Depth:** 115 feet bgs State Well ID No.: BCK 014

2/8.6.4 Well/Auger Diameter: inches 105 to 115 Well Screened Interval: feet bgs **Screen Slot Size:** 0.010 inches Filter Pack Used: Colorado Silica Sand Surface Seal: Concrete

Bentonite grout

Flush Mount

Annular Seal:

Monument Type:

Set conductor casing at 40 and 80 feet

Notes/Comments:

Page: 5 of 10



Project Number: 0797-001 Logged by: RAH; DMM **Date Started:** 7/9/2012 Surface Conditions: Concrete

Site Address: 700 Dexter Avenue North

LOG | MW101

B101

Seattle, Washington

10.8' north of the north wall of the warehouse area Well Location N/S:

28.5' east of the east wall of the auto shop Well Location E/W:

Reviewed by: CCC Date Completed: 7/17/2012 Water Depth At Time of Drilling: 21 Water Depth After Completion: --

BORING

feet bgs feet bgs

					te completed.			Tator Bopany ator Completion	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75									
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	***
_	$\left \right $		100	0.0		SM		(30-55-15). Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
80 -				0.2				40-10).	
_				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).	
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). Moist, very dense, silty fine SAND with some	
90						SM		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

2/8.6.4 Well/Auger Diameter: inches 105 to 115 Well Screened Interval: 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

Page: 6 of 10



Project Number: 0797-001 Logged by: RAH; DMM Date Started: 7/9/2012

BORING B101 LOG | MW101

Site Address: 700 Dexter Avenue North Seattle, Washington

feet bgs

Well Location N/S: 10.8' north of the north wall of the warehouse area

28.5' east of the east wall of the auto shop Well Location E/W:

Concrete

Reviewed by: CCC **Date Completed:**

Water Depth At Time of Drilling: 21

Water Depth After Completion: -feet bgs 7/17/2012 Interval **Slow Count** % Recovery Graphic Well Sample **USCS** PID (ppmv) Lithologic Description Construction ID Class Detail 90 0.9 SP Wet, dense, medium to fine SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0). B101-92 0.1 Wet, dense, silty medium SAND, gray, no solvent SM or hydrocarbon odor (20-80-0). 0.1 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). 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 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). B101-104 0.0 Wet, dense, coarse to medium SAND with silt and SP-SM gravel, gray, no solvent or hydrocarbon odor 100 (10-85-5).105

Drilling Co./Driller: Major Drilling/Dan **Drilling Equipment:** LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: lbs **Total Boring Depth:** 140

feet bgs 115 **Total Well Depth:** 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

Page: 7 of 10



Project Number: 0797-001 Logged by: RAH; DMM **Date Started:** 7/9/2012

LOG | MW101

Site Address: 700 Dexter Avenue North Seattle, Washington

B101

10.8' north of the north wall of the warehouse area Well Location N/S:

28.5' east of the east wall of the auto shop Well Location E/W:

Concrete

Reviewed by: CCC Date Completed: 7/17/2012 Water Depth At Time of Drilling: 21

BORING

feet bgs Water Depth After Completion: -feet bgs

			Da	ite Completed.	//1//	2012	water beparrier completion.	icci bgs
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
405								
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). Damp, very dense, SILT with fine sand and	
			0.0		SM		gravel, gray, no solvent or hydrocarbon odor (35-60-5). Wet, dense, silty fine SAND with gravel, gray, no	
			0.1		SP-SM	· · · · · · · · · · ·	solvent or hydrocarbon odor (25-65-10). Wet, dense, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor	
110			0.0		SP-SM		(10-80-10). Wet, dense, coarse to medium SAND and silt, gray, no solvent or hydrocarbon odor (10-90-0).	
			0.0 0.0 6.6		SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
115 —			0.1	B101-114.5	SM		Damp, very dense silt, fine to medium SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
					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					
130			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

2/8.6.4 Well/Auger Diameter: inches 105 to 115 Well Screened Interval: feet bgs Screen Slot Size: 0.010 inches Filter Pack Used: Colorado Silica Sand Concrete

Surface Seal: **Annular Seal:** Bentonite grout **Monument Type:** Flush Mount

Notes/Comments:

Set conductor casing at 40 and 80 feet

Page: 8 of 10



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



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling: 21 f

Water Depth After Completion: --

feet bgs feet bgs

					· ·				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120									
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.	
130 —				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			
_				0.4				Wet, hard, silty fine SAND with trace gravel, slurry consistancy, gray, no solvent or hydrocarbon odor (60-35-5).	
125				0.4				Wet, hard, silty fine to medium SAND with some gravel, cohesive material (45-40-15).	
135									

Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight:

Total Boring Depth:

Total Well Depth:

State Well ID No.:

Core Barrel
-- lbs
140 feet bgs
115 feet bgs
BCK 014

Major Drilling/Dan

LAR Sonic

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

ogs.

Page: **9 of 10**



Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete

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

Seattle, Washington

LOG

BORING

Water Depth At Time of Drilling: 21 feet bgs

Site Address: 700 Dexter Avenue North

Water Depth After Completion: -- feet bgs

B101

MW101

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
135						SM-ML		Dry, hard SILT with fine sand and gravel,	
_				0.0				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					
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 —								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. 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.	
150									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: 27.

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:2/8,6,4inchesWell Screened Interval:105 to 115feet bgsScreen Slot Size:0.010inchesFilter 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

ogs.

Page: **10 of 10**



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 | **B102** LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

28 feet bgs

Water Depth
After Completion --

					ite Completeu	. //24/	2012				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction Detail	
0						Concrete		6 inches of concrete surfac	ing.		
-						SM (FILL) SM (FILL)		Damp, dense, silty fine SAN brick fragments, brown, no hydrocarbon odor (25-65-10 Damp, dense, silty fine SAN no solvent or hydrocarbon material.	ID with gravel and solvent or D). Fill material.		
5						SM (FILL)		Moist, dense, silty fine SAN no solvent or hydrocarbon material.	odor (25-65-10). Fill		
-						SM (FILL)		Moist, dense, silty fine SAN no solvent or hydrocarbon material.	odor (25-65-10). Fill		
-						SM (FILL)		Damp, dense, silty fine SAN and wood debris, brown, no hydrocarbon odor (20-70-10) Damp, dense, silty fine SAN	o solvent or I). Fill material.		
10 —				0.0		(FILL)		asphalt and wood debris, b hydrocarbon odor (20-70-10	rown, no solvent or 0). Fill material.		
_				0.0		SM (FILL)		Damp, dense, silty fine SAN no solvent or hydrocarbon material.	ID with gravel, brown, odor (20-70-10). Fill		
-			100	0.0		SP-SM (FILL)		Damp, dense, fine SAND wi gray, no solvent or hydroca Fill material.			
15				0.0		SM (FILL)		Damp, dense, silty fine SAN no solvent or hydrocarbon			
Drillin	g Co	./Drille		lajor Drilling/Da	n W e	ll/Auger D	iameter:	1/8,6 inches	Notes/Comments:		
	Drilling Equipment: LAR Sonic					II Screene		115 to 125 feet bgs			
Sampl	-	-		ore barrel		reen Slot S		0.010 inches			
, ,						er Pack U		Colorado silica sand			
					9	rface Seal:		Concrete			
		Depth:		25 20K 015	٠ ا	nular Seal		Grout			
State	well	ID No.:	В	CK 015	Mo	nument Ty	ype:	Flush mount	Page: 1	of 9	



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 | **B102** LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

generated feet bgs

Water Depth
After Completion --

Get bgs) Interval and Box Count Sample ID Class	Well Construction
	Detail
Damp, dense, silty SAND with wood debris, brown, no solvent or hydrocarbon odor (25-75-0).	· · · · · · · · · · · · · · · · · · ·
O.0 SM (FILL) Damp, dense, silty SAND with wood debris, brown, no solvent or hydrocarbon odor (25-75-0).	
O.0 SM Damp, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (20-75-5).	
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).	**************************************
SP-SM Moist, very dense, fine to medium SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-80-5).	
SM-ML Wet, very dense fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
30 SM-ML Wet, very dense, fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	^^^ ^^^ ^^^ ^^^
Drilling Co./Driller: Major Drilling/Dan Drilling Equipment: LAR Sonic Sampler Type: Core barrel Hammer Type/Weight: Ibs Total Boring Depth: 125 feet bgs 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	
Total Well Depth: 125 feet bgs Annular Seal: Grout	of 9



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 | **B102** LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

8 feet bgs

Water Depth
After Completion --

L									•	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Des	scription	Well Construction Detail
30 -				0.0		SP		Damp, very dense, medium t and gravel, brown, no solver odor (5-90-5).		
-				0.0		SP		Damp, very dense, medium t and gravel, brown, no solver odor (5-85-10).		
35 —			100	0.0		SP		Wet, very dense, medium to gravel and silt, brown, no so odor (5-75-20).		
				0.0		SP		Wet, very dense, medium to gravel and silt, brown, no so odor (5-75-20).		
					D100.00	SP		Wet, very dense, medium to and gravel, brown, no solver odor (10-80-10).		
_					B102-38	SM-ML		Moist, hard, fine sandy SILT, or hydrocarbon odor (50-50-		
40 —				1.1	B102-40	SM-ML		Damp, hard, fine sandy SILT hydrocarbon odor (50-50-0).	, gray, no solvent or	
_				0.6 34.9		SM-ML		Damp, hard, fine sandy SILT cohesive, gray (40-50-10).	with gravel,	
- 45				51.0		SM		Damp, very dense, silty fine cohesive, gray (40-50-10).	SAND with gravel,	
Drillin Samp	Drilling Co./Driller:Major Drilling/DanDrilling Equipment:LAR SonicSampler Type:Core barrel		,	Well/Auger Di Well Screene Screen Slot S	d Interval:	1/8,6 inches : 115 to 125 feet bgs 0.010 inches	Notes/Comments:			
		ype/We	-			Filter Pack Us		Colorado silica sand		
1		g Dept Depth:			9	Surface Seal: Annular Seal:		Concrete Grout		
1	Total Well Depth: State Well ID No.:					Monument Ty		Flush mount	Page: 3	of 9
								<u>_</u>	*	



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 | **B102** LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

gen feet bgs

Water Depth
After Completion --

				Da	te Completed	l: 7/24/	2012		Aπer Compi	etion	feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription		Well Construction Detail
45						SM-ML		Moist, hard, fine sandy SILT hydrocarbon odor (50-50-0)		ent or	^^^
_				147.5		SP-SM		Moist, very dense, medium gray, no solvent or hydroca	to fine SAND w rbon odor (10-9	ith silt, 90-0).	
_				202	B102-49						
50 —				39.8		SM-ML		Damp, very dense, silty fine cohesive, gray (40-50-10).	SAND with gra	ivel,	
-				42.9		SM-ML		Moist, very dense, silty fine solvent or hydrocarbon odd			^^^ ^^^ ^^^ ^^^ ^^^
-			100	14.2		SM-ML		Dry, very dense, silty fine S or hydrocarbon odor (40-45	AND, gray, no s -15).	solvent	
_				73.7		SM-ML		Dry, very dense, silty fine S or hydrocarbon odor (40-45	AND, gray no s -15).	olvent	^^^ ^^^ ^^^ ^^^
55 —						SM-ML		Dry, very dense, silty fine S or hydrocarbon odor (40-50	AND, gray, no s -10).	solvent	
-			100			SP-SM		Damp, very dense, fine SAN gray, no solvent or hydroca			
60					B102-60	SP-SM		Damp, very dense, fine SAN gray, no solvent or hydroca			
	-	./Drille		ajor Drilling/Dar		ell/Auger D		1/8,6 inches	Notes/Commo	ents:	
Drillin Samp		uipmen	-	AR Sonic ore barrel		ell Screene reen Slot S		115 to 125 feet bgs 0.010 inches			
1 .		/pe: ype/We	_			ter Pack U	-	Colorado silica sand			
Total	Borin	g Dept	_			ırface Seal:		Concrete			
		Depth:	12		9	ınular Seal:		Grout			
State	well	ID No.:	В	CK 015	Mo	onument Ty	/pe:	Flush mount	Page:	4 (of 9



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 | **B102** LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

elle feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description	Well Construction Detail
60						SP-SM		Damp, very dense, fine SAND with silt and grav gray, no solvent or hydrocarbon odor (10-85-5)	rel, ^^^ ^^
-				134.7		SM-ML		Damp, very dense, silty fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odd (45-50-5).	
- 65 —			100	116.0		SM-ML		Damp, very dense, silty fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odd (45-50-5).	
-						SM-ML		Damp, very dense, silty fine SAND, gray no solvent or hydrocarbon odor (50-50-0).	
-				54.6		SM-ML		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (50-50-0).	
70 —					B102-70	SM-ML		Dry, very dense, silty fine SAND and gravel, grand no solvent or hydrocarbon odor (45-50-5).	Py, \(\lambda
-				42.0		SM-ML		Dry, very dense, SILT with fine sand and grave gray, no solvent or hydrocarbon odor (50-45-5)	
75				24.9		SM-ML		Dry, very dense, SILT with fine sand and grave gray, no solvent or hydrocarbon odor (50-45-5)	,
Drillin Drillin Samp Hamn Total	Drilling Co./Driller: Major Drilling/Dan Drilling Equipment: LAR Sonic Sampler Type: Core barrel Hammer Type/Weight: Ibs Total Boring Depth: 125 feet bgs		W S Ibs Feet bgs S	Vell/Auger Di Vell Screene Icreen Slot S ilter Pack Us Iurface Seal:	d Interval: ize: sed:	0.010 inches Colorado silica sand Concrete	, many		
	Total Well Depth: State Well ID No.:			25 CK 015	٠ ١	nnular Seal: Ionument Ty		Grout Flush mount Page:	5 of 9



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 | **B102** LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

8 feet bgs

Water Depth
After Completion --

	_	-								
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
75 -				0.0		SM-ML		Wet, very dense, SILT with solvent or hydrocarbon odd	fine sand, gray, or (50-50-0).	no
_			100	0.0		SM-ML		Wet, very dense, SILT with solvent or hydrocarbon odd		no
-				1.5		SM-ML		Wet, very dense, SILT with solvent or hydrocarbon odd		no
80 —				0.4	B102-80	SM-ML		Dry, very dense, SILT with solvent or hydrocarbon odd	iine sand, gray i or (50-50-0).	no ^^^
-				0.4		SM-ML		Dry, very dense, SILT with gravel, gray, no solvent or 45-5).	ine sand and tr	ace ^^^ ^^^ ^^ ^^ ^^ ^^ ^^
-				0.6		ML		Moist, very dense, SILT wit gray, no solvent or hydroca		
85 —			100	0.6		SM-ML		Moist, very dense, SILT wit gray, no solvent or hydroca	h fine sand and Irbon odor (50-4	gravel, ^^^
_				0.4		SM-ML		Moist, hard fine sandy SILT hydrocarbon odor (60-40-0)		ent or
90				0.6	B102-90	SM-ML		Moist, hard, fine sandy SIL solvent or hydrocarbon odd		y, no
Drillin	ıg Co	./Drille	r: M	lajor Drilling/Dar	n v	Vell/Auger Di	ameter:	1/8,6 inches	Notes/Comme	ents:
	Drilling Equipment: LAR Sonic					Vell Screene		: 115 to 125 feet bgs		
1 .	Sampler Type: Core barrel					Screen Slot S	ize:	0.010 inches		
1	Hammer Type/Weight: lbs				I .	ilter Pack Us		Colorado silica sand		
1					0	Surface Seal:		Concrete		
				9	Annular Seal:		Grout			
State	well	יסא חו:	В	CK 015	10	Monument Ty	pe:	Flush mount	Page:	6 of 9



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 | B102 LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

generated feet bgs

Water Depth
After Completion --

		.,,		
Depth (feet bgs) Interval Blow Count %	PID (ppmv) San		Lithologic Description	Well Construction Detail
90 25 - 25 - 25 - 25	0.2	ML SP-SM	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).	
100 -	0.9	SP-SM	Moist, medium to coarse SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0). Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
105	1.1	SP-SM	Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: 1 Total Well Depth:	25 feet bgs 25 feet bgs	Well/Auger Diamete Well Screened Inte Screen Slot Size: Filter Pack Used: Surface Seal: Annular Seal:	rval: 115 to 125 feet bgs 0.010 inches Colorado silica sand Concrete Grout	
State Well ID No.:	3CK 015	Monument Type:	Flush mount Page: 7 (of 9



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 | B102 LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

general 28 feet bgs

Water Depth
After Completion --

						7/= 1/						
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription		Well Construction Detail	
105			100	0.9		SP-SM		Wet, coarse to medium SAI solvent or hydrocarbon odd		, no		
-				07		SP-SM		Wet, coarse to medium SAI gravel, gray no solvent or h 80-5).				
110 —				0.7	B102-110	SP-SM		Wet, coarse to medium SAI gravel, gray, no solvent or 80-5). Siltier zones present less): wet, silty coarse to m gravel, gray, no solvent or 75-5).	hydrocarbon odd (3 inches thick o ledium sand with	or (15- or 1		
-						SP-SM		Wet, dense, coarse to medi gray, no solvent or hydroca	arbon odor (15-80	D-Ś).		
	V					SP-SM	/////	Wet, dense, medium to fine no solvent or hydrocarbon		gray,		
	٨		50				(/////	no solvent of hydrocarbon	odor (10-90-0).			
	Λ			1.6								
- <u>-</u>				1.6		SP-SM		Wet, dense, medium to fine no solvent or hydrocarbon		gray,		
115 —				0.4		SP-SM		Wet, dense, medium to fine gravel, gray, no solvent or 80-10).				
-			100	0.4		SP-SM		Wet, dense, medium to fine gravel, gray, no solvent or 80-10).	hydrocarbon odd	or (10-		
						SP-SM		Wet, dense, medium to coa and silt, gray, no solvent of (10-75-15).				
120				0.2	B102-120	SP-SM		Wet, dense, coarse to medi and silt, gray, no solvent or (10-70-20).				
Drillin	g Co	./Drille	r: I	Major Drilling/Dar	n V	Well/Auger Di	iameter:	1/8,6 inches	Notes/Commer	nts:		
Drillin	Drilling Equipment: LAR Sonic					Well Screene	d Interval:	115 to 125 feet bgs				
Samp	-	-		Core barrel	8	Screen Slot S	Size:	0.010 inches				
1	Hammer Type/Weight: lbs					Filter Pack Us		Colorado silica sand				
1		g Dept			٠ ا	Surface Seal:		Concrete				
1	Total Well Depth:				9	Annular Seal:		Grout				
State	State Well ID No.:			BCK 015	Monument Ty	pe:	Flush mount	Page:	8	Construction		



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 | **B102** LOG | MW102

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

general 28 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription		Well Construction Detail
120			100	0.4		SW-GW		Wet, dense, GRAVEL with s solvent or hydrocarbon odd	and and silt, gr or (10-55-35).	ay, no	
_	$\left\langle \cdot \right\rangle$			0.7		SM-GM		Damp, very dense, gravelly solvent or hydrocarbon odd		ay, no	
_			100	0.4		SW-GW		Wet, dense, gravelly SAND solvent or hydrocarbon odd		no	
125	$/\!\setminus$			0.4		sw-gw		Wet, dense, gravelly SAND solvent or hydrocarbon odd		10	
130 —								Boring terminated at 125 fe diameter well installed to a screened from 115 to 125 fe sand from 113 to 125 feet b from 103 to 113 feet bgs, be to 103 feet bgs, and finishe mounted monument and co Completed as monitoring w	depth of 125 fee eet bgs, with sili gs, bentonite se entonite grout fr d with a flush- encrete seal.	et bgs, ica eal	
- 135											
Drillir	-	./Drille		⊥ ∕lajor Drilling/Dai AR Sonic		ell/Auger D ell Screene		1/8,6 inches 115 to 125 feet bgs	Notes/Comme	ents:	
Samp		-		ore barrel		reen Slot S		0.010 inches			
1 -	-	/pe/We			lbs Fi	ter Pack U	sed:	Colorado silica sand			
1		g Dept		25		ırface Seal		Concrete			
1		Depth:		25 ICK 015	0	nular Seal		Grout		1	
State	State Well ID No.:			CK 015	M	onument Ty	/pe:	Flush mount	Page:	9	of 9



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

	Well onstruction Detail
Concrete 2 inches of concrete.	
0.2 Damp, dense, silty SAND with gravel and wood debris, dark gray (30-60-10). Fill material.	
FILL Wood debris.	
SM (FILL) No recovery.	
Damp, dense, silty SAND with gravel and brick, metal, porcelain, and wood debris, dark brown to dark gray (30-60-10). Fill material.	**************************************
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.	
Damp, dense, silty SAND with gravel, wood and metal debris, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
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.	
100 0.7 SM (FILL)	
Damp, dense, sitty SAND with graver and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Drilling Co./Driller: Major Drilling/Dan Well/Auger Diameter: 2/8,6 inches Notes/Comments:	
Drilling Equipment: LAR Sonic Well Screened Interval: 105 to 114 feet bgs	
Sampler Type: Core Barrel Screen Slot Size: 0.010 inches	
Hammer Type/Weight: Ibs Filter Pack Used: Colorado silicon sand	
Total Boring Depth: 115 feet bgs Surface Seal: Concrete	
Total Well Depth: 115 feet bgs Annular Seal: Bentonite grout State Well ID No.: BCK 016 Monument Type: Flush mount	
State Well ID No.: BCK 016 Monument Type: Flush mount Page: 1 of	გ



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

th gs)	rval	onnt	/ery		Sample	USCS	hic		Well		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	ID	Class	Graphic	Lithologic Description	Construction Detail		
15				1.1		SP		Damp, dense, fine to medium SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-			
-								0).			
_				3.9							
			100		B103-18						
				5.6	103-10	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 —				4.5				Moist, dense, silty SAND with gravel, gray, slight			
-				4.9		SM		hydrocarbon odor (15-65-20).			
			100	3.3							
-	$\left \right $			0.7		SM		Moist, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-60-5).			
-				0.4							
25 —				0.0				Wet, dense, silty SAND, gray, no solvent or			
_						SM		hydrocarbon odor (30-70-0).			
			100	0.0		SM		Wet, dense, silty SAND, gray, no solvent of hydrocarbon odor (30-70-0).			
-	$\left \right $			0.0		SM-ML		Wet, loose, silt with fine SAND, gray, no solvent or hydrocarbon odor (55-45-0).			
-				0.0				Wet, loose, silt with fine SAND, gray, no solvent			
30				D 222 25		SM-ML		or hydrocarbon odor (55-45-0).			
Drillin	Drilling Co./Driller: Major Drilling/Dan Drilling Equipment: LAR Sonic Sampler Type: Core Barrel				We	ell/Auger D ell Screene reen Slot S	d Interval	2/8,6 inches: Notes/Comments: 0.010 inches			
Hamn	Hammer Type/Weight: lbs					ter Pack U	sed:	Colorado silicon sand			
	Total Boring Depth: 115 feet bgs Total Well Depth: 115 feet bgs					rface Seal: nular Seal		Concrete Bentonite grout			
		ID No.:	В	CK 016	-	nument Ty	/pe:	_,	2 of 8		



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

L						,_,,			<u> </u>		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	ole USCS Class	Graphic	Lithologic De	scription		Well Construction Detail
30			100	0.0	B103-30	SM		Wet, loose, silty fine SAND debris, gray, no solvent or f 60-15).	with gravel and nydrocarbon od	wood lor (25-	
35 —				0.0		SM SP-SM		Wet, loose, silty fine SAND debris, gray, no solvent or 60-15). Wet, loose, fine to medium solvent or hydrocarbon of	nydrocarbon od SAND with silt,	lor (25-	
_			100	0.0		SP-SM		Wet, loose, fine to medium to no solvent or hydrocarbon o		gray,	
40 —			100	0.0 6.1 9.2	B103-40	SP-SM		Moist, loose, fine to mediun gravel, gray, no solvent or h 85-5).			
- 45				5.6		SP-SM		Moist, loose, fine to mediun gravel, gray, no solvent or h 85-5). Moist, dense, fine to mediun gravel, gray, no solvent or h 85-5).	ydrocarbon od m SAND with si	or (10-	
Drillin Drillin Samp Hamn Total	g Equation Equation In Type Type Type Type Type Type Type Type	ype/We ig Dept	nt: LA Co ight: h: 11	5	lbs feet bgs	Well/Auger Di Well Screene Screen Slot S Filter Pack Us Surface Seal:	d Interval: Size: sed:	2/8,6 inches 105 to 114 feet bgs 0.010 inches Colorado silicon sand Concrete	Notes/Comme	ents:	
1		Depth: ID No.:		5 CK 016	9	Annular Seal: Monument Ty		Bentonite grout Flush mount	Page:	3 (of 8



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

				ра	ite Complete	ea: //2//	2012	Arter Completion Teet bys		etion reet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
45			100	3.6 4.6 2.1	B103-45	SM-ML		Damp, very dense, fine san cohesive, gray, no solvent (45-45-10).		
50 —				0.7		SM-ML		Damp, very dense, fine san cohesive, gray, no solvent (45-45-10). Damp, very dense, fine san cohesive, gray, no solvent (45-45-10).	or hydrocarbon dy SILT with gr	avel,
_			100	2.6		SM-ML		Dry, very dense, fine sandy cohesive, gray, no solvent (45-45-10).	SILT with grav or hydrocarbon	el,
55 — _				0.0	B103-55	SM-ML		Dry, very dense, SILT with to cohesive, gray, no solvent (45-45-10). Damp, very dense, silty grano solvent or hydrocarbon	or hydrocarbon vely SAND, dar	odor \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
_			100	0.2		SM-ML		Damp, very dense, silty gra no solvent or hydrocarbon	vely SAND, dar	k gray,
60				0.2		SM-ML		Moist, very dense, silty gra- no solvent or hydrocarbon	odor (35-35-30)	-
Drillin Samp Hamn Total	ig Eq ler Ty ner Ty Borin	o./Drille uipmer ype: ype/We ng Dept Depth:	nt: L C night:	15	lbs Feet bgs S	Vell/Auger Di Vell Screene Screen Slot S Silter Pack Us Surface Seal: Annular Seal:	d Interval: Size: sed:	2/8,6 inches : 105 to 114 feet bgs 0.010 inches Colorado silicon sand Concrete Bentonite grout	Notes/Comm	ents:
1		ID No.:		CK 016	٠ ١	Monument Ty		Flush mount	Page:	4 of 8



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
60				0.0		GM GM		Damp, very dense, silty GR dark gray, no solvent or hy 20-50). Damp, very dense, silty GR	drocarbon odor	(30-
_			400		B103-62.5	Civi		dark gray, no solvent or hy 20-50).		
_	$\left \right $		100	0.0		SM-ML		Damp, very dense, fine san dark gray, no solvent or hy 45-10).		
65 —				0.0		SM-ML		Dry, very dense, silty grave no solvent or hydrocarbon	odor (35-35-30).	
_				0.0		SM-ML		Moist, very dense, fine sand dark gray, no solvent or hy 40-20).	dy SILT with gra drocarbon odor	(40-
_			100	0.0						
_	$\left \right $			0.0						
70 —				0.0		SM-ML		Moist, very dense, fine sand with gravel, dark gray, no s odor (40-40-20). Damp, very dense, silty GR	olvent or hydro	carbon \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
_						GM		dark gray, no solvent or hy 20-50).		
-				0.0						
_	$\left \right $			0.0		SM-ML		Damp, very dense, silty gra no solvent or hydrocarbon	odor (35-35-30).	
75				0.0		SM-ML		Damp, very dense, silty gra no solvent or hydrocarbon	odor (35-35-30).	k gray,
	ng Co	./Drille	r: N	/lajor Drilling/Dar	n We	ell/Auger D	iameter:	2/8,6 inches	Notes/Comme	ents:
	_	uipmer		AR Sonic		ell Screene		,		· · ··
Samp	ler Ty	ype:	C	Core Barrel	Sc	reen Slot S	Size:	0.010 inches		
		ype/We	_			ter Pack U		Colorado silicon sand		
1		ng Dept			9	rface Seal:		Concrete		
1		Depth:		15 BCK 016	- 1	nular Seal		Bentonite grout Flush mount		
State	well	ID No.:	В	010 710	IMIC	nument Ty	/pe:	i iusii iiiouiit	Page:	5 of 8



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

			Da	te Completed	1/2//	2012	Alter Completion	reet bys
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75			0.0	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, sitly GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	^^^ ^^^ ^^^ ^^^
			0.0				·	
80 —			0.0		GM		Moist, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50). Moist, very dense, silty medium to fine SAND	^^^ ^^^ ^^^ ^^^
-					SM		with gravel, brown, no solvent or hydrocarbon odor (20-55-25).	
_		100	0.0	B103-83			Market constant and the second	
-			0.0		SM		Moist, very dense, silty medium SAND with trace gravel, brown, no solvent or hydrocarbon odor (15-80-5).	^^
85			0.0		SP-SM		Wet, dense, medium to coarse SAND with little silt, brown, no solvent or hydrocarbon odor (10-90-0).	
_ \			0.0					^^^ ^^ ^^ ^^ ^^
-		100	0.7		SM		Moist, very dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20).	
90			0.2					
Drilling Co Drilling Eq Sampler T	uipmer	ıt: L	Major Drilling/Dar .AR Sonic Core Barrel	W	ell/Auger D ell Screene creen Slot S	d Interval:	2/8,6 inches 105 to 114 feet bgs 0.010 inches	
Hammer T				-	Iter Pack U	-	Colorado silicon sand	
Total Borin		-			ırface Seal:		Concrete	
Total Well	-			٠ ١	nular Seal		Bentonite grout	
State Well	ID No.:	E	BCK 016 Mon			/pe:	Flush mount Page: 6	of 8



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

Section Sect					Da	te Completeu.				7 ittor Completion	1001.095
SM Dampl, yery, on solvent or hydrocarbon odor (35-69-6). SM Moist, very dense, silty, medium to fine SAND, dark gray, no solvent or hydrocarbon odor (20-80-0). SM Moist, very dense, silty, medium to fine SAND, dark gray, no solvent or hydrocarbon odor (20-80-0). SP-SM Moist, very dense, silty medium to fine SAND, dark gray, no solvent or hydrocarbon odor (20-80-0). Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-73-15). Wet, dense, medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20). Wet, dense, medium SAND with coarse to fine sand and silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand and silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with fine to coarse sand and silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, coarse to fine SAND with gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). Wet, dense, medium SAND with gravel, dark gray, no solvent or hydrocarbon odor (Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)			Graphic	Lithologic De	scription	Construction
SM Moist, very dense, silty, medium to fine SAND, dark gray, no solvent or hydrocarbon odor (20-80-0). O.0	90				0.0		SM		gravel, gray, no solvent or h		
SM SM Moist, very dense, silty medium to fine SAND, dark gray, no solvent or hydrocarbon odor (20-80-0).				100							
Documents Section Se	_				0.0		SM		dark gray, no solvent or hyd	dium to fine SAND, drcarbon odor (20-80-	
SP-SM	95 —				0.0	B103-95	SM				
SP-SM O.0 SP-SM SP-S							SP-SM		silt, dark gray, no solvent o		
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). 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). Drilling Co./Driller: Major Drilling/Dan Drilling/Dan Drilling Equipment: LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: Screen Slot Size: 0.010 inches Hammer Type/Weight: 115 feet bgs Surface Seal: Concrete Total Well Depth: 115 feet bgs Surface Seal: Concrete Annular Seal: Bentonite grout	_						SP-SM		and silt, dark gray, no solve odor (10-70-20).	nt or hydrocarbon	
Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10). SP-SM Wet, dense, medium SAND with fine to coarse sand and 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: Ibs Total Boring Depth: 115 feet bgs Total Well Depth: 115 feet bgs Surface Seal: Concrete Annular Seal: Bentonite grout	-				0.2		SP-SM		sand and silt and gravel, da	rk gray, no solvent or	
Drilling Co./Driller: Major Drilling/Dan Drilling Equipment: LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: Ibs Total Boring Depth: 115 feet bgs Total Well Depth: 115 feet bgs Filter Pack Used: Concrete Total Well Depth: 115 feet bgs Filter Pack Used: Concrete Annular Seal: Bentonite grout	100 —			100	0.5		SP-SM		sand with silt and gravel, da	ark gray, no solvent or	
Drilling Co./Driller: Major Drilling/Dan LAR Sonic Well/Auger Diameter: 2/8,6 inches Well Screened Interval: 105 to 114 feet bgs Sampler Type: Core Barrel Screen Slot Size: 0.010 inches Hammer Type/Weight: Ibs Filter Pack Used: Colorado silicon sand Total Boring Depth: 115 feet bgs Total Well Depth: 115 feet bgs Annular Seal: Bentonite grout	-										
Drilling Equipment: LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: Ibs Total Boring Depth: 115 feet bgs Total Well Depth: 115 feet bgs Total We	105				0.0		SP-SM		Wet, dense, medium SAND sand and silt and gravel, da	with fine to coarse rk gray (10-80-10).	
Total Boring Depth: 115 feet bgs	Drillin Samp	g Equ	uipmer /pe:	nt: L/	AR Sonic ore Barrel	We Scr	II Screene een Slot S	d Interval: Size:	105 to 114 feet bgs 0.010 inches	Notes/Comments:	
	Total Total	Borin Well I	g Dept Depth:	h: 11	5	feet bgs Anı	nular Seal	:	Bentonite grout	Page: 7	of 8



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 | B103 LOG | MW103

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

19 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De:	scription	Well Construction Detail
105				0.0	B103-105	SP-SM		Wet, dense, coarse to mediu and silt, dark gray, no solve odor (10-65-25).		
-				0.0		SP-SM		Wet, dense, coarse to mediu and silt, dark gray, no solve odor (10-75-15).	ım SAND with grave nt or hydrocarbon	-
110 —			100	0.0		SP-SM		Wet, dense, coarse to fine S silt, dark gray, no solvent or (10-65-25).		
-				0.0	B103-113	SM		Damp, very dense, silty SAN gray, no solvent or hydrocal		
								Boring terminated at 115 feed diameter well installed to a discreened from 103.5 to 114 from 101.5 to 115 feet bgs, bg 91.5 to 101.5, bentonite groups, and finished with a flus monument and concrete seamonitoring well MW103.	depth of 114 feet bgs feet bgs, with sand pentonite seal from at from 5 to 91.5 feet sh-mounted	
Drillin Samp Hamn Total Total	Drilling Co./Driller: Major Drilling/Da Drilling Equipment: LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: Total Boring Depth: 115 Total Well Depth: 115 State Well ID No.: BCK 016			AR Sonic Core Barrel - 15	lbs Feet bgs Sfeet bgs A	Vell/Auger Di Vell Screene Gcreen Slot S Gilter Pack Us Gurface Seal: Annular Seal:	d Interval: size: sed:	2/8,6 inches 105 to 114 feet bgs 0.010 inches Colorado silicon sand Concrete Bentonite grout Flush mount	Notes/Comments:	8 of 8



130

129

BCK 017

feet bgs

feet bgs

Surface Seal:

Annular Seal:

Monument Type:

Concrete

Bentonite grout

Flush mount

Page:

1 of 9

Total Boring Depth:

Total Well Depth:

State Well ID No.:

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 | **B104** LOG | MW104

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

17

feet bgs

Water Depth
After Completion --

-- feet bgs

				Da	te Completed	8/2/2	012	Anter Completion leet 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
5						Concrete		9 inches of concrete surfacing. Boring cleared with vactor truck to a depth of 9 feet bgs.
10			100	0.0	B104-10	SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-65-20).
- 15				0.0		SM		Damp, dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (15-65-20).
Drillin	ng Co	./Drille		ajor Drilling/Dar	n We	II/Auger Di	iameter:	2/10,8,6 inches Notes/Comments:
Drillir	ng Eq	uipmer	nt: LA	AR Sonic	We	II Screene	d Interval:	
Samp	-	-		ore Barrel		reen Slot S		0.010 inches
Hamn	ner T	ype/We	ight:		lbs Fil	er Pack Us	sed:	Colorado Silica Sand



BCK 017

State Well ID No.:

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 | **B104** LOG | MW104

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

17 feet bgs

2 of 9

Page:

Water Depth
After Completion --

feet bgs

Depth (foot bas)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description Well Construction Detail
15	_			0.0		МН		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		мн		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	МН		Wet, soft, silty CLAY with sand and gravel, consistency of wet grout, gray, no solvent or hydrocarbon odor (60-20-20).
	-			0.0		МН		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		SM		Wet, loose, silty medium SAND with gravel, brown, no solvent or hydrocarbon odor (20-60-20).
30				0.0				
	ling (Co./Drille	r: M	lajor Drilling/Dar	n W	ell/Auger Di	ameter:	2/10,8,6 inches Notes/Comments:
Dril	Drilling Equipment:		nt: L	AR Sonic	W	ell Screene	d Interval	: 119 to 129 feet bgs
	-	Type:		ore Barrel		creen Slot S		0.010 inches
		Type/We	-			Iter Pack Us		Colorado Silica Sand
1		ring Dep				urface Seal:		Concrete
Tota	al We	II Depth:			feet bgs Ar	nnular Seal:		Bentonite grout
1 04-	L - 14/-	II ID N.		OK 017	1 ==			Flush mount

Flush mount

Monument Type:



Project: 700 Dexter Property

Project Number: 0797-001 RAH Logged by: **Date Started:** 7/30/2012 Surface Conditions: Concrete

69.7' south of most easterly NE corner of 700 Dexter Well Location N/S: 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 B104 LOG | 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 De	scription	Well Construction Detail
30				0.0	B104-30	SM		Wet, loose, silty SAND with solvent or hydrocarbon odo	gravel, brown, no r (20-65-15).	
_				0.5		SM		Moist, dense, silty SAND wit solvent or hydrocarbon odo		
				00.0		SM		Moist, dense, silty SAND wit solvent or hydrocarbon odo		^^^ ^^^ ^^^ ^^^
35 —				28.0 37.5		SM		Damp, dense, silty SAND wi	th gravel grav no	
_			100	3.6	B104-36			solvent or hydrocarbon odo	r (30-60-10).	
-						SM-ML		Dry, very dense, silty SAND cohesive, gray, no solvent c (40-40-20).	with gravel, or hydrocarbon odor	
_				0.0		SM-ML		Dry, very dense, silty SAND	with gravel	
40 —				0.5		SM-ML		cohesive, gray, no solvent of (40-40-20). Dry, very dense, silty SAND	or hydrocarbon odor	
_						OM-ME		cohesive, gray, no solvent of (40-45-15).	r hydrocarbon odor	
_			100	0.8		SM-ML		Dry, very dense, silty SAND	with gravel,	
-				1.4		SM-ML		Dry, very dense, silty SAND cohesive, gray, no solvent of (40-40-20).	40-20). with gravel,	
1	_	./Drille		L lajor Drilling/Dar AR Sonic		 /ell/Auger Di /ell Screene		2/10,8,6 inches	Notes/Comments:	TIVŮA VŮA
Samp		•		ore Barrel		creen Slot S		0.010 inches		l
1	-	ype/We				ilter Pack Us		Colorado Silica Sand		
		ig Dept	-			urface Seal:		Concrete		
1		Depth:			- 1	nnular Seal:		Bentonite grout		
		ID No.:		CK 017	9			Flush mount	D	- 10
State	well	יסאו חו:	В	OK UT/	I M	Ionument Ty	pe:	i iusii iiiouiit	Page: 3	of 9



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 | **B104** LOG | MW104

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

17 feet bgs

Water Depth
After Completion --

\vdash											
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription	Con	Vell struction etail
45				1.1		SM-ML		Moist, very dense, silty SAI	ND with gravel,	gray,	\^^^
								no solvent or hydrocarbon	odor (40-45-15).		\^^^
				0.8							
				0.8		SM-ML		Moist, very dense, silty SAI	ND with gravel,	gray,	
								no solvent or hydrocarbon			^^
-										^^^	^^^
										\^^^	^^^
-				0.5		SM-ML		Dry, very dense, silty SANE) with gravel, gr	av. no	^^^
						J		solvent or hydrocarbon ode		^^	
50 —				0.3	B104-50	SM		Damp, very dense, silty fine	SAND with ara	vel ^^^	^^^
						J		gray, no solvent or hydroca			^^^
_											^^^
-	\bigvee			0.6		SM		Moist to wet, dense, silty m	edium to fine S	AND AND	^^
	X		100			J		with gravel, gray, no solver			^^^
-	Λ			0.3				(30-65-5).		^^^	^^^
	$/ \setminus$										^^^
-				0.0		SM		Damp, silty, fine SAND with	araval arav n		
						J.W.		solvent or hydrocarbon ode	or (35-60-5).	^^^	^^^
55 —				2.1		SM		Wet, very dense, silty fine S	SAND with arave	\^^^	^^^
	\ /					Sivi		gray, no solvent or hydroca	arbon odor (35-5	50-15).	^^^
-				2.1							^^
										^^^	^^^
-										^^^	^^^
			100								^^^
-				0.9		SM		Wet, very dense, silty fine S	SAND with grave	el.	^^^
								gray, no solvent or hydroca			^^^
-				2.7		SM-ML		Wet, very dense, silty fine S	SAND with grave	el,	^^^
60					B104-60			gray, no solvent or hydroca			^^^
	ıg Co	./Drille	r: M	ı lajor Drilling/Dar	n v	Well/Auger Di	ameter:	2/10,8,6 inches	Notes/Comme	ents:	I. A.L
1		uipmer		AR Sonic		Well Screene		ŭ			
Samp	-	-	_	ore Barrel	-	Screen Slot S	-	0.010 inches			
		ype/We	-			Filter Pack Us		Colorado Silica Sand			
1	Total Boring Depth: 130 Total Well Depth: 129					Surface Seal:		Concrete			
		-			٠ ١	Annular Seal:		Bentonite grout			
State	State Well ID No.:			CK 017		Monument Ty	pe:	Flush mount	Page:	4 of 9	



Project: 700 Dexter Property

Project Number: 0797-001 RAH Logged by: **Date Started:** 7/30/2012 Surface Conditions: Concrete

69.7' south of most easterly NE corner of 700 Dexter Well Location N/S: 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 B104 LOG | 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)	Samp ID	ole 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	
65 —				0.6				(50-45-5).	
-			100						
-				0.6				Down and the fire CAMP with word	
				0.9		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-55-5).	
-				1.3	B104-69				
70 —				0.6		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-50-10).	
	\bigwedge								
				0.0					
				0.9		SM-ML		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-50-5).	
75				0.9					^^^ ^^^ ^^^
Drillin	ıg Co.	/Drille	r: M	ajor Drilling/Dar	n	Well/Auger D	iameter:	2/10,8,6 inches Notes/Comments:	
		ıipmer		AR Sonic		Well Screene		-	
Samp	-	•		ore Barrel		Screen Slot S		0.010 inches	
	-	pe/We g Dept	-			Filter Pack Us Surface Seal:		Colorado Silica Sand Concrete	
		g Dept Depth:	n: 13		٠ ١	Annular Seal:		Bentonite grout	
		D No.:		CK 017	- 1	Monument Ty			5 of 9
1							•	rage.	ן פוט כ



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 | **B104** LOG | MW104

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

17 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75 -			100	0.3		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
_				0.3					
_				0.0		SM		Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
-	$/ \setminus$			0.0	B104-80				
80 —				0.0		SM		Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
						SM-ML		Wet, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
			100	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		Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
85 —				0.6					
_				0.0		SM-ML		Dry, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
_			100	0.9					^^^ ^^^ ^^^
-				0.9					
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).	
Drillin	g Eq	./Drille uipmer /pe:	nt: L/	ajor Drilling/Dar AR Sonic ore Barrel	We	ell/Auger Di ell Screene ereen Slot S	d Interval:	2/10,8,6 inches Notes/Comments:	
Hamn	Hammer Type/Weight: lbs Total Boring Depth: 130 feet bgs					ter Pack Us		Colorado Silica Sand Concrete	
Total	Well I	Depth:	12	29	feet bgs An	ınular Seal:		Bentonite grout	
State	well	ID No.:	В(CK 017	Mc	onument Ty	rpe:	Flush mount Page: 6	of 9



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 | **B104** LOG | MW104

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

17

feet bgs

Water Depth
After Completion --

L					ite Complete	u. 0/2/2	012			1001.090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Des	cription	Well Construction Detail
90				0.9		SM		Damp, very dense, silty fine scohesive, dark gray, no solve odor (40-50-10).		
-			100	1.2		SM		Damp, very dense, silty medi with gravel, cohesive, dark g		
				0.0		SM		Damp, very dense, silty medi with trace gravel, dark gray, i hydrocarbon odor (30-65-5).		
				0.6		SM		Damp, very dense, silty medi cohesive, dark gray (30-70-0)		
95 —				0.0						
						SM		Wet, dense, silty medium to f gravel, gray, no solvent or hy 55-15).	drocarbon odor (30-	^^^ ^^^ ^^^
			100	0.0		SM		Wet, dense, silty medium to f gravel, cohesive, dark gray, r hydrocarbon odor (25-65-10). Wet, dense, silty coarse to fir	no solvent or	
-				0.0		SP-SM		cohesive, gray, no solvent or (30-60-10). Wet, dense, fine to medium S	hydrocarbon odor	
-				0.0	B104-100			gray, no solvent or hydrocarl Moist, dense, silty fine SAND cohesive, dark gray, no solve	bon odor (10-90-0). with gravel,	^^^ ^^^ ^^^
100 —				0.0	2.01.100	SM SP-SM		odor (30-65-5). Wet, dense, medium to fine S and silt, dark gray, no solven	SAND with grravel it or hydrocarbon	
_				0.3				odor (10-80-10).		
			100			SP-SM		Wet, dense, medium to fine S silt, dark gray, no solvent or (10-80-10).		
				0.3		SP-SM		Wet, dense, medium to fine S silt, dark gray, no solvent or (10-65-25).		
105				0.0		SP-SM		Wet, dense, medium to fine S silt, dark gray, no solvent or (10-65-25).		^^^ ^^^ ^^^
Drillin	g Co	./Drille	r: M	ajor Drilling/Dai	n lw	/ell/Auger Di	iameter:	2/10,8,6 inches	Notes/Comments:	
I	•	uipmer		AR Sonic		ell Screene			,	
Samp		-	-	ore Barrel	I .	creen Slot S		0.010 inches		
	-	/pe/We			-	ilter Pack Us	-	Colorado Silica Sand		
		g Dept	•		I .	urface Seal:		Concrete		
		Depth:						Bentonite grout		
1		ID No.:		CK 017	- 1	Monument Type:		Flush mount	Page: 7	of 9



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 | **B104** LOG | MW104

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

17

7 feet bgs

Water Depth
After Completion --

<u> </u>					te Completed.	0/2/2	.012		1001.095
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel a silt, dark gray, no solvent or hydrocarbon odo (10-65-25).	
				0.0					
-				0.0					
-				0.0	B104-110	SP-SM		Wet, dense, coarse to fine SAND with gravel a silt, dark gray, no solvent or hydrocarbon odo (10-65-25).	nd r
110				0.3		SM		Moist, dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbo odor (30-55-15).	on
				0.0		SP-SM		Wet, dense, coarse to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-70-20).	
				0.0		SM		Wet, dense, silty fine SAND with gravel, cohes dark gray, no solvent or hydrocarbon odor (30 55-15).	
				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel a silt, dark gray, no solvent or hydrocarbon odo (10-70-20).	r
115 —				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel a silt, dark gray, no solvent or hydrocarbon odo (10-70-20).	r
				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel a silt, dark gray, no solvent or hydrocarbon odo (10-65-25).	
				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel a	
				0.0	B104-120	SM		silt, dark gray, no solvent or hydrocarbon odo (10-65-25). Moist, dense, silty fine SAND with gravel, dark gray, no solvent or hydrocarbon odor (20-60-2	
Drilling Sampl Hamm	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight:			Major Drilling/Dar _AR Sonic Core Barrel 	een Slot S er Pack U	d Interval: Size: sed:	2/10,8,6 inches Notes/Comments		
Total \	Total Boring Depth: Total Well Depth: State Well ID No.:		-	129 feet bgs		urface Seal: nnular Seal: onument Type:		Bentonite grout Flush mount Page:	8 of 9



Project Number: 0797-001 Logged by: RAH Date Started: 7/30/2012 **Surface Conditions:** Concrete

69.7' south of most easterly NE corner of 700 Dexter Well Location N/S: 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 | **B104** LOG | MW104

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

17 feet bgs

Water Depth After Completion --

SP-SM Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (19-78-15).
SP-SM SP-SM Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-79-15). 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). Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20). ML 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 (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (90-25-25). Dry, very dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (90-25-25). Wet dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (90-25-25). Wet dense, coarse to fine SAND with gravel and silt
SP-SM SP-SM Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20). Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20). ML Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (60-25-25). Boring terminated at 130 feet bgs. Two-inch diameter well installed to a depth of 129 feet bgs, some of the fine of
SP-SM SP-SM Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20). Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20). ML B104-130 ML Brilling Co./Driller: Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-25-25). Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-25-25). Boring terminated at 130 feet bgs. Two-inch diameter well installed to a depth of 129 feet bgs, screened from 110 to 129 feet bgs, with silica sand from 171 to 130 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. Well/Auger Diameter: Well Screened Interval: Screen Slot Size: Filter Pack Used: Screen Slot Size: Total Well Depth: 130 Feet bgs Filter Pack Used: Colorado Silica Sand Colorade Silta sand Concrete Bentonite grout Notes/Comments:
ML B104-130 B104
ML B104-130 ML Drivery dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (30-25-25). Boring terminated at 130 feet bgs. Two-inch diameter well installed to a depth of 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.
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 grout from 5 to 107 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW104. Drilling Co./Driller:
Drilling Co./Driller: Major Drilling/Dan Well/Auger Diameter: 2/10,8,6 inches Drilling Equipment: LAR Sonic Well Screened Interval: 119 to 129 feet bgs Sampler Type: Core Barrel Screen Slot Size: 0.010 inches Hammer Type/Weight: lbs Filter Pack Used: Colorado Silica Sand Total Boring Depth: 130 feet bgs Surface Seal: Concrete Total Well Depth: 129 feet bgs Annular Seal: Bentonite grout
Drilling Equipment: LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: Ibs Total Boring Depth: 130 feet bgs Total Well Depth: 129 feet bgs Total Well Depth: Total Well Dept
Sampler Type: Core Barrel Screen Slot Size: 0.010 inches Hammer Type/Weight: Ibs Filter Pack Used: Colorado Silica Sand Total Boring Depth: 130 feet bgs Total Well Depth: 129 feet bgs Total Well Depth: Total Well Depth: Flock Department of the property of
Hammer Type/Weight: Ibs Filter Pack Used: Colorado Silica Sand Total Boring Depth: 130 feet bgs Total Well Depth: 129 feet bgs
Total Boring Depth: 130 feet bgs Total Well Depth: 129 feet bgs Annular Seal: Bentonite grout
Obs. Wall D. No.
State Well ID No.: BCK 017 Monument Type: Flush mount Page: 9 of 9



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 | **B105** LOG | MW105

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

21 feet bgs

Water Depth
After Completion --

Detail Concrete and brick surfacing. SM (FILL) Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Fill material. Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). SM (FILL) Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-60-15). Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-70-5). Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Fill material. Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (15-80-5). Fill material. Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Brick. SM (FILL) Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Brick. SM (FILL) Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Brick. SM (FILL) Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Brick. SM (FILL) Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Brick. SM (FILL) Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-60-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-60-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-60-10). Fill material. Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (10-60-10). Fill material. Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (10-60-10). Fill material. Damp, dense, silty SAND with gravel, dark brown, no solvent or hydr					Da	te Completed	l: 8/13/	12		After Comple	etion feet bgs
SM (FILL) 80 80 80 80 80 80 80 80 80 8		Interval	Blow Count	% Recovery	PID (ppmv)			Graphic	Lithologic De	escription	Construction
SM	0						SM		Damp, dense, silty fine SAN no solvent or hydrocarbon	ID with gravel, I	
O.1 CFILL SM Damp, dense, silty SAND with gravel, agray, no solvent or hydrocarbon odor (25-60-15). Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-60-15). Pill material.	-			80							
O.1 (Filt.) (25-60-15). Fill material. Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-70-5). Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (15-80-5). Fill material. Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material. Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material. Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, dense brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, dense brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, dense brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, silty SAND with gravel, dense brown, no solvent or	5-										
O.0	_				0.1		(FILL)		debris, black, no solvent or (25-60-15). Fill material.	hydrocarbon o	dor \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material. Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Fill material. Damp, dense, SiLT with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Fill material. Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Fill material. Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Dirilling Co./Driller: Drilling Co./Driller: LAR Sonic Core Barrel Hammer Type/Weight: Core Barrel Hammer Type/Weight: Total Well Depth: 140 feet bgs Screen Slot Size: Colorado Silica Sand Surface Seal: Annular Seal: Bentonite grout	-				0.0		(FILL)		no solvent or hydrocarbon Damp, loose, silty SAND wi	odor (25-70-5). th gravel, browi	
Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Fill material.	-			100	0.1		(FILL)			or (15-80-5). Fill	
O.0 (FILL) Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Fill material. Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Brick. SM-SP (FILL) Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Notes/Comments: Screen Slot Size	10 —				0.0	B. 65 . 6			solvent or hydrocarbon odd		n, no
Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, d	-				0	B105-10			solvent or hydrocarbon odd material. Damp, dense, silty SAND w	or (25-60-15). Fil ith gravel, dark	brown, ^^^
SM-SP (FILL) Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80	-			100	0.0					odor (25-60-15).	
Drilling Co./Driller: Major Drilling/Dan Drilling Equipment: LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: Ibs Total Boring Depth: 140 feet bgs Total Well Depth: 140 feet bgs Annular Seal: Bentonite grout (FILL) gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material. 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					0.0		(FILL)		reddish brown, no solvent ((10-80-10). Fill material.	or hydrocarbon	
Drilling Equipment:LAR SonicWell Screened Interval:130 to 140feet bgsSampler Type:Core BarrelScreen Slot Size:0.010inchesHammer Type/Weight:IbsFilter Pack Used:Colorado Silica SandTotal Boring Depth:140feet bgsSurface Seal:ConcreteTotal Well Depth:140feet bgsAnnular Seal:Bentonite grout							(FILL)		gravel, reddish brown, no s odor (10-80-10). Fill materia	olvent or hydro	
Sampler Type: Core Barrel Screen Slot Size: 0.010 inches Hammer Type/Weight: Ibs Filter Pack Used: Colorado Silica Sand Total Boring Depth: 140 feet bgs Total Well Depth: 140 feet bgs Annular Seal: Bentonite grout	Drillin	g Co	./Drille	r: M	ajor Drilling/Dar	n W e	ell/Auger D	iameter:	2/8,6 inches	Notes/Comme	ents:
Hammer Type/Weight: Ibs Filter Pack Used: Colorado Silica Sand Total Boring Depth: 140 feet bgs Total Well Depth: 140 feet bgs Annular Seal: Bentonite grout		٠.	•								
Total Boring Depth: 140 feet bgs Total Well Depth: 140 feet bgs Annular Seal: Bentonite grout	1	-	-	_				_			
Total Well Depth: 140 feet bgs Annular Seal: Bentonite grout	1	-	-	_							
			-			9					
State Well ID No.: BCK 018 Monument Type: Flush Mount Page: 1 of 10	1		-			9					
	State	well	וט No.:	В	JK 018	Mo	onument Ty	/pe:	Fiush Mount	Page:	1 of 10



Project Number: 0797-001 Logged by: RAH Date Started: 8/13/12 Surface Conditions: Concrete

36.2' south of SE corner of 700 Dexter property Well Location N/S: Well Location E/W: 79.3' east of SE corner of 700 Dexter property

Reviewed by: CCC **Date Completed:** 8/13/12

BORING | **B105** LOG | MW105

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Water Depui....
Time of Drilling

feet bgs

	Water Depth
<u>v</u>	After Completio

feet bgs on --

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).	
						SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-65-10).	
_			100	0.0					
_				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).	
25 —				0.0		SP-SM		Moist, loose, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (10-80-10).	
_				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).	
1	g Eq	./Drille uipmer	nt: L/	ajor Drilling/Dar AR Sonic ore Barrel	We	ell/Auger Di ell Screene reen Slot S	d Interval:	2/8,6 inches 130 to 140 feet bgs 0.010 inches	
Hamn	ner T	ype. ype/We ig Dept	ight:		lbs Fil	ter Pack Us irface Seal:	sed:	Colorado Silica Sand Concrete	
1		Depth: ID No.:		0 CK 018	9	nular Seal: onument Ty		Bentonite grout Flush Mount Page:	2 of 10



Hammer Type/Weight:

140

140

BCK 018

Total Boring Depth:

Total Well Depth:

State Well ID No.:

Project: 700 Dexter Property

Project Number: 0797-001 Logged by: RAH Date Started: 8/13/12 Surface Conditions: Concrete

36.2' south of SE corner of 700 Dexter property Well Location N/S: Well Location E/W: 79.3' east of SE corner of 700 Dexter property

Reviewed by: CCC **Date Completed:** 8/13/12



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

21

feet bgs

Water Depth After Completion --

feet bgs

				Da	te Completed	: 8/13/	12	Aπer Completion	reet 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).	
35 —				1.2		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
-				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).	
40 —				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0	B105-40	SM		Moist, very dense, silty SAND with gravel and cobbles, gray, no solvent or hydrocarbon odor (35-60-5).	
-			50	2.2		SM		Moist, very dense, silty SAND with gravel and cobbles, gray, no solvent or hydrocarbon odor (35-60-5).	
45								No recovery.	
Drilling Co./Driller:Major Drilling/DanWelDrilling Equipment:LAR SonicWel							iameter: d Interval: Size:	2/8,6 inches	

Filter Pack Used:

Monument Type:

Surface Seal:

Annular Seal:

lbs

feet bgs

feet bgs

Colorado Silica Sand

Page:

3 of 10

Concrete

Bentonite grout

Flush Mount



State Well ID No.:

BCK 018

Project: 700 Dexter Property

Project Number: 0797-001 Logged by: RAH **Date Started:** 8/13/12 Surface Conditions: Concrete

36.2' south of SE corner of 700 Dexter property Well Location N/S: Well Location E/W: 79.3' east of SE corner of 700 Dexter property

Reviewed by: CCC **Date Completed:** 8/13/12



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

21

Water Depth

After Completion -feet bgs

feet bgs

				Da	ite Completed	1: 8/13/	/12	-	Aiter Completion	leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic Des	scription	Well Construction Detail
45				0.0		SM-ML		Moist, very dense, silty SAN	D with gravel grav	^^^ ^^ ^^ ^^ ^^ ^^ ^^
_			90	0.0		J		cobbles, no solvent or hydro 20).		
_				0.0		SM		Damp, very dense, silty SAN cohesive, no solvent or hydr 20).	ocarbon odor (20-60-	
50				0.0		SM		Damp, very dense, silty SAN cohesive, no solvent or hydr 20).		
_				0.0	B105-50	SM		Wet, very dense, silty SAND solvent or hydrocarbon odor		
				0.3		SM		Wet, very dense, silty SAND solvent or hydrocarbon odor	with gravel, gray, no r (35-50-15).	
			50							
_								No recovery.		
55 —				0.3		SM		Damp, very dense, silty SAN gray, cohesive, no solvent o (35-45-20).	r hydrocarbon odor	
_			100	0.7		SM		Damp, very dense, silty SAN gray, cohesive, no solvent o (35-45-20).		
_				0.7						
-						SM		Damp, very dense, silty SAN gray, cohesive, no solvent o (35-45-20).	or hydrocarbon odor	^^^ ^^^ ^^^
60				0.0		SM		Damp, very dense, silty SAN gray, cohesive, no solvent o (35-45-20).		^^^ ^^^ ^^^
Drillin	ıg Co	./Drille	r: M	lajor Drilling/Dar	n W	ell/Auger D	iameter:	2/8,6 inches	Notes/Comments:	
Drillin	g Eq	uipmer		AR Sonic		ell Screene		130 to 140 feet bgs		
Samp		-		ore Barrel	Sc	reen Slot S	Size:	0.010 inches		
Hamn	ner T	ype/We	ight:		lbs Fil	Iter Pack U	sed:	Colorado Silica Sand		
Total	Borir	ıg Dept	:h: 14	40	feet bgs Su	ırface Seal	:	Concrete		
Total	Well	Depth:	14	40	feet bgs Ar	nnular Seal	:	Bentonite grout		
1			_	01/ 04/0		. _		Florida Marrosa		

Flush Mount

Page:

4 of 10

Monument Type:



Project: 700 Dexter Property

Project Number: 0797-001 RAH Logged by: **Date Started:** 8/13/12 Surface Conditions: Concrete

36.2' south of SE corner of 700 Dexter property Well Location N/S: Well Location E/W: 79.3' east of SE corner of 700 Dexter property

Reviewed by: CCC **Date Completed:** 8/13/12

BORING B105 LOG | 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)	Samı ID		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).	^^^ ^^^ ^^^
				0.3		SM		Damp, very dense, silty SAND with gravel, gray,	
_			100					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	
_				0.3				odor (55-35-10).	^^^ ^^^ ^^^ ^^^
65 —				0.3		ML		Dry, hard, SILT with fine sand and gravel, cohesive, very gray, no solvent or hydrocarbon odor (55-35-10).	
_				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					^^^
70 —				0.0	B105-70	GM		Damp, very dense, silty GRAVEL with sand, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
				0.0		GM		Damp, very dense, silty gravellly SAND, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
_				0.0		GM		Damp, very dense, silty gravellly SAND, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
75				0.0					
Drillin	-	./Drille		Major Drilling/Da	n	Well/Auger D		2/8,6 inches Notes/Comments:	
1	Drilling Equipment: Sampler Type:			_AR Sonic Core Barrel		Well Screene Screen Slot S		: 130 to 140 feet bgs 0.010 inches	
1 .	Hammer Type/Weight:			-	lbs	Filter Pack U		Colorado Silica Sand	
1	Total Boring Depth:				feet bgs	Surface Seal		Concrete	
	Total Well Depth:			140	feet bgs	Annular Seal		Bentonite grout	
State	State Well ID No.:		[BCK 018		Monument Ty	ype:	Flush Mount Page:	5 of 10



Sampler Type:

Hammer Type/Weight:

Total Boring Depth:

Total Well Depth:

State Well ID No.:

Core Barrel

140

140

BCK 018

lbs

feet bgs

feet bgs

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 | B105 LOG | MW105

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

21 feet bgs

Water Depth
After Completion --

feet bgs

			Da	te completed.	0/13/	12	
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description Construction Detail
75			0.3		SM SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15). Moist, very dense, silty SAND with gravel,
-		100	0.3		OW		cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).
			0.3		SM		cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15). Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).
80			0.3	B105-80			
							Bentonite plug.
-		50	0.1		SM		Damp, very dense, silty SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (35-50-15).
85			0.1				
-			0.0		GM		Wet, very dense, gravelly, silty SAND, gray, no solvent or hydrocarbon odor (35-30-40).
_		100	0.0		GM		
-			0.0		SM		Damp, very dense, silty SAND with gravel,
90			0.0				cohesive, gray, no solvent or hydrocarbon odor (35-45-20).
Drilling Co			ajor Drilling/Dar		II/Auger D		2/8,6 inches Notes/Comments:
Drilling Ed			AR Sonic			d Interval:	9
Commiss T		^	ara Darral	0	aan Clat C	·i=a -	0.010

Screen Slot Size:

Filter Pack Used:

Monument Type:

Surface Seal:

Annular Seal:

0.010

Concrete

Bentonite grout

Flush Mount

Colorado Silica Sand

inches

Page:

6 of 10



BCK 018

State Well ID No.:

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



Site Address: 700 Dexter Avenue North

Seattle, Washington

V W

Water Depth At Time of Drilling

21

Water Depth
After Completion --

feet bgs

7 of 10

Page:

feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID		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
95 —	95 —			0.0				gravel, dark gray, no solvent or hydrocarbon odor (20-75-5).
_				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				
100 —				0.0				
_				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).
105				0.0				
	ng Co	./Drille	r: M	lajor Drilling/Dar	n	Well/Auger D	iameter:	2/8,6 inches Notes/Comments:
	Drilling Equipment:			AR Sonic		Well Screene		
	Sampler Type:			ore Barrel		Screen Slot S	Size:	0.010 inches
	Hammer Type/Weight:		-		lbs	Filter Pack Us		Colorado Silica Sand
1	Total Boring Depth:				feet bgs	Surface Seal:		Concrete
Total	Total Well Depth:			40 CK 04.8	feet bgs	Annular Seal:	:	Bentonite grout

Flush Mount

Monument Type:



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



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

21

feet bgs

Water Depth
After Completion ---

L				Da	ite Completeu	• 0/13/	12		1001.090
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	
110 —				0.0	B105-110	SP-SM		gray, no solvent or hydrocarbon odor (10-90-0). 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	
-			100			SP-SM		and silt, gray, no solvent or hydrocarbon odor (10-60-30). Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30).	
115 —						CD CM			
-						SP-SM		Wet, loose, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
-									
120					<u> </u>		[/./././]	
Drillin	g Co	./Drille	r: N	Major Drilling/Dar	n We	ell/Auger D	iameter:	2/8,6 inches Notes/Comments:	
Drillin	Drilling Equipment: LAR Sonic					ell Screene		: 130 to 140 feet bgs	
Samp	Sampler Type: Core Barrel				Sc	reen Slot S	Size:	0.010 inches	
	Hammer Type/Weight:				ter Pack U		Colorado Silica Sand		
1	Total Boring Depth:				<u> </u>	rface Seal:		Concrete	
	Total Well Depth:				٠ ١	nular Seal:		Bentonite grout	
State '	Well	ID No.:	E	BCK 018	Mo	nument Ty	/pe:	Flush Mount Page:	8 of 10



Project Number: 0797-001 Logged by: RAH Date Started: 8/13/12 Surface Conditions: Concrete

36.2' south of SE corner of 700 Dexter property Well Location N/S: Well Location E/W: 79.3' east of SE corner of 700 Dexter property

Reviewed by: CCC **Date Completed:** 8/13/12



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

21

feet bgs

Water Depth After Completion --

				Da	ite Complete	ea: 8/13/	12		Aitei Compi	etion reet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
120				0.0	B105-120	SP-SM		Wet, loose, coarse to medi dark gray, no solvent or hy 65-25).		
_			100	0.0		SP-SM		Wet, loose, coarse to medi and silt, dark gray, no solv odor (10-65-25).		
				0.0		SM		Damp, very dense, silty SA gray, no solvent or hydroc		
125 —				0.0		SM		Damp, very dense, silty SA gray, no solvent or hydroc		
-						SP-SM		Wet, loose, coarse to medi and silt, dark gray, no solv odor (10-70-20).		
_						SP-SM		Wet, very dense, coarse to gravel and silt, dark gray, r hydrocarbon odor (10-60-3	no solvent or	with
_						SP-SM		Wet, loose, medium to coa and silt, dark gray, no solv odor (10-80-10).		
130 —						SP-SM		Wet, loose, medium to coa and silt, dark gray, no solv odor (10-80-10).		
-				0.0	B105-130	SP-SM		We, loose, medium to coar and silt, dark gray, no solv odor (10-80-10).		
			100	0.0		SP-SM		Wet, loose, medium to coa and silt, dark gray, no solv odor (10-80-10).		
135				0.0		SP-SM		Wet, loose, medium to coa and silt, dark gray, no solv odor (10-70-20).		
Drilling Co./Driller: Major Drilling/Dan Well						Well/Auger Di	ell/Auger Diameter: 2/8,6 inches		Notes/Commo	ents:
Drilling Equipment:				LAR Sonic		Well Screened Interval:		· ·		
1							Size:	0.010 inches		
1 1 1 1 1						Filter Pack Us Burface Seal:	er Pack Used: Colorado Silica S face Seal: Concrete			
		ig Depi Depth:			١	Annular Seal:		Bentonite grout		
		ID No.:		1001.290 1		Monument Ty		Flush Mount	Page:	9 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 | **B105** LOG | MW105

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

21 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description		Well Construction Detail
135				0.0		SP-SM		Wet, loose, coarse to mediu and silt, gray no solvent or h (10-70-20).		
			100	0.0		SP-SM		Wet, loose, coarse to mediu and silt, gray, no solvent or (10-70-20).		
-				0.0	B105-138	ML		Dry, hard, SILT with fine sand and gravel, brown, no solvent or hydrocarbon odor (70-20-5). Dry, hard, SILT with fine sand, brown, no solvent		
140 —				0.0		ML		or hydrocarbon odor (70-30-		
-								Boring terminated at 140 fee bentonite grout from 2 feet t Two-inch-diameter well insta feet bgs, screened from 130 silica sand from 128 to 140 f seal from 118 to 128 feet bgs from 2 to 118 feet bgs, and f mounted monument and co Completed as monitoring we	to 128 feet depth. alled to a depth of 140 to 140 feet bgs, with feet bgs, bentonite s, bentonite grout inished with a flush- ncrete seal.	
145 —	-									
Drillin Samp Hamn	Drilling Co./Driller: Major Dri Drilling Equipment: LAR Soni Sampler Type: Core Barr Hammer Type/Weight:		ore Barrel	We Sci	II/Auger D II Screene reen Slot S er Pack U	d Interval: Size: sed:	0.010 inches Colorado Silica Sand	Notes/Comments:		
Total	Well	ng Dept Depth: ID No.:	14		feet bgs An	rface Seal: nular Seal: nument Ty	•	Concrete Bentonite grout Flush Mount	Page: 1	0 of 10



Project: 700 Dexter Property

Project Number: 0797-001 Logged by: RAH 8/14/12 Date Started: Surface Conditions: Concrete

84.7' south of SE corner of 700 Dexter Well Location N/S: Well Location E/W: 112' west of SE corner of 700 Dexter

Reviewed by: CCC **Date Completed:** 08/16/12

BORING | B106 LOG | MW106

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Description	Well Construction Detail
-						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).	
10 —				1.3		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
-				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). Dry, very dense, silty SAND with gravel, light	
-			100	0.1				brown, no solvent of 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 LAR Sonic Sampler Type: Core Barrel Hammer Type/Weight: lbs Total Boring Depth: 140 feet bgs					lbs feet bgs feet bgs	Well/Auger Di Well Screene Screen Slot S Filter Pack Us Surface Seal: Annular Seal: Monument Ty	d Interval: Size: sed:	0.010 inches Colorado Silica Sand Concrete Bentonite grout	l of 10



Hammer Type/Weight:

140

140

BCK 019

Total Boring Depth:

Total Well Depth:

State Well ID No.:

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 | B106 LOG | MW106

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

feet bgs

2 of 10

Page:

_	#							
Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
			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).	^^^ ^^^ ^^^ ^^^
			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).	
			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							Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
Equ	uipmer	nt: LA	AR Sonic	Wel	I Screene	d Interval:	2/8,6 inches 130 to 140 feet bgs 0.010 inches	
	Co	Co./Drille	100 100 Co./Driller: M Equipment: L/	0.0 100 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		O.0	Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Dry, very dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-65-10). Dry, very dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-65-10). Dry, very dense, silty SAND with gravel, chosive gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10). Dry, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (3

Filter Pack Used:

Monument Type:

Surface Seal:

Annular Seal:

lbs

feet bgs

feet bgs

Colorado Silica Sand

Concrete

Bentonite grout

Flush Mount



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



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Da	ate Complet	ed: 08/16	6/12		Aπer Compi	etion feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic De	escription	Well Constructio Detail
30				0.0	B106-30	SP-SM		Moist, dense, fine to mediu gravel, light brown, no solv odor (10-80-10).		
-				0.0		SP-SM		Moist, dense, fine to mediu gravel, light brown, no solv odor (10-80-10).		
-	-		100	0.0		SP-SM		Moist, dense, fine to mediu gravel, light brown, no solv odor (10-80-10).		
35 —				0.0		SP-SM		Moist, dense, fine to mediu gravel, light brown, no solv odor (10-80-10).		
-	-			10.4		SP-SM		Wet, dense, medium to fine gravel, dark gray, no solvel odor (10-80-10).	and on	
-	-			4.9		SP-SM		Wet, dense, medium to fine gravel, dark gray, no solvel 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).		on AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
40 —	-			0.5	B106-40	SP-SM SP-SM		Wet, dense, medium to fine gravel, dark gray, no solvel odor (10-80-10).		
-	-			0.5		SM-ML		Dry, hard, fine sandy SILT v cohesive, no solvent or hyd		
-	-	Damp, dense, fine to medium SAND with s gravel, dark gray, no solvent or hydrocarb odor (10-80-10).								
-				0.5						
45	45		0.5		SP-SM		Damp, dense, fine to mediu gravel, dark gray, no solved odor (10-80-10).	nt or hydrocarb	on AAA	
1	•			Major Drilling/Da		Well/Auger D		2/8,6 inches	Notes/Comm	ents:
1	٠.	uipmer	-	LAR Sonic		Well Screene		•		
Samp		ype: ype/We		Core Barrel		Screen Slot S Filter Pack U:	-	0.010 inches Colorado Silica Sand		
1		ype/we ig Dept	_	140		Surface Seal:		Concrete		
1		Depth:		140	- 1	Annular Seal:		Bentonite grout		
1		ID No.:		BCK 019	9	Monument Ty		Flush Mount	Page:	3 of 10



BCK 019

State Well ID No.:

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 | B106 LOG | MW106

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

feet bgs

4 of 10

Page:

					·				
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).	
50 —				0.1		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
_						Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).			
-	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).	
55 —				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 and cobbles, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
	- 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						SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	^^^ ^^^ ^^^
Drillin	Drilling Co./Driller: Major Drilling/Dan					ell/Auger D	iameter:	2/8,6 inches Notes/Comments:	ļ
	Drilling Equipment: LAR Sonic					ell Screene	d Interval	: 130 to 140 feet bgs	
Sampler Type: Core Barrel					So	creen Slot S	Size:	0.010 inches	
Hammer Type/Weight: lbs F					lbs Fi	Iter Pack Us	sed:	Colorado Silica Sand	
1					feet bgs Su	urface Seal:	:	Concrete	
								Bentonite grout	
1 04-4-	14/-11	ID No.		CK 010		.		Eluah Maunt	

Flush Mount

Monument Type:



Total Well Depth:

State Well ID No.:

140

BCK 019

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 | B106 LOG | MW106

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

feet bgs

5 of 10

Page:

1					•				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID		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 hydroca (35-55-10).	
_			100	0.0		SM		Moist, very dense, silty SAND with gravel cohesive dark gray, no solvent or hydrocodor (35-55-10).	arbon AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
				0.0		SM		Dry, very dense, silty SAND with gravel, c dark gray, no solvent or hydrcarbon odor 10).	
65 —				0.0		SM		Dry, very dense, silty SAND with gravel, c dark gray, no solvent or hydrocarbon odd 55-10).	
	0.0					SM		Dry, very dense, silty SAND with gravel, c dark gray, no solvent or hydrocarbon odc 50-15).	
	SM Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).								
_			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, d gray cohesive, no solvent or hydrocarbor (35-50-15).	
70 —				0.0	B106-70	SM		Damp, very dense, silty SAND with gravel gray cohesive, no solvent or hydrocarbor (35-55-10).	
_						SM		Damp, very dense, silty SAND with gravel gray cohesive, no solvent or hydrocarbor (35-55-10).	
_	-					ML		Damp, hard, fine sandy SILT, weak lamina cohesive gray, no solvent or hydrocarbor	
75	75 0.0					ML		odor (60-40-0). Dry, hard, fine sandy SILT, weak lamination cohesive gray, no solvent or hydrocarbor (60-40-0).	on,
						Well/A			
						Well/Auger Di			ients:
9						Well Screene		9	
1 1						Screen Slot S	-	0.010 inches	
, ,									
					feet bgs	Surface Seal:	:	Concrete	
1	147-11	D 41-	4.4	10	Carallana I	A		Desta de la constanta de la co	

Annular Seal:

Monument Type:

feet bgs

Bentonite grout

Flush Mount



BCK 019

State Well ID No.:

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 | B106 LOG | 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 De	escription	Well Construction Detail
	75 _				0.0		SM		Damp, very dense, silty SA cohesive dark gray, no solv odor (35-50-15).		^^^ ^^^ ^^^ ^^^
	-			100	0.0		SM		Damp, very dense, silty SA cohesive dark gray, no solv odor (35-50-15).	ND with gravel, vent or hydrocarbon	
	0.0		0.0		SM		Dry, very dense, silty SANE dark gray, no solvent or hy 50-15).				
	0.0		0.0		SM		Damp, very dense, silty SA cohesive dark gray, no solv odor (35-50-15).				
	0.0		0.0	B106-80	SM-GM		Damp, very dense, gravelly no solvent or hydrocarbon				
	_				0.0		SM-GM		Damp, very dense, gravelly no solvent or hydrocarbon		
	-			100	0.0		SM-ML		Damp, very dense, silty SA solvent or hydrocarbon od		
	85 —				0.3		SM-ML		Damp, very dense, silty SA solvent or hydrocarbon ode		
	-				0.0		SM		Moist, very dense, silty SAI cohesive, no solvent or hyd 0).	drocarbon odor (30-70-	
	-				0.0		SM SP-SM		Moist, very dense, silty SAI cohesive, no solvent or hyd 0). Moist, very dense, medium	to fine SAND with silt	
	- 100 0.0			SP-SM		and gravel, dark gray, no so odor (15-75-10).	olvent or hydrocarbon				
	90 0.0			SP-SM		Moist, very dense, medium and gravel, dark gray, no so odor (15-75-10).					
	Drillin	Drilling Co./Driller: Major Drilling/Dan		n We	ell/Auger D	iameter:	2/8,6 inches	Notes/Comments:	7		
		Drilling Equipment: LAR Sonic		We	ell Screene	d Interval:	130 to 140 feet bgs				
	Samp	Sampler Type: Core Barrel		Sc	reen Slot S	Size:	0.010 inches				
	Hamn	ner T	ype/We	ight:		lbs Fil	ter Pack Us	sed:	Colorado Silica Sand		
	Total	Borir	ng Dept	h: 14	.0	feet bgs Su	rface Seal:	:	Concrete		
	Total	Well	Depth:			feet bgs An	nular Seal:	:	Bentonite grout		
- 1	01-1-				CIZ 010	54	 .		Fluck Mount		

Flush Mount

Page:

6 of 10

Monument Type:



Project: 700 Dexter Property

Project Number: 0797-001 Logged by: RAH Date Started: 8/14/12 Surface Conditions: Concrete

84.7' south of SE corner of 700 Dexter Well Location N/S: Well Location E/W: 112' west of SE corner of 700 Dexter

Reviewed by: CCC **Date Completed:** 08/16/12 BORING | B106 LOG | MW106

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Water Deput...
Time of Drilling

feet bgs

Water Depth After Completion --

oth bgs) erval Count			Da	ite Complete	ea: 08/16	5/12		Aiter Compi	etion leet bys	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
90				0.0	B106-90	SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca		
_				0.0		SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca		
_				0.0		SP-SM		Wet, dense, medium to fine		
-			100	0.0		SP-SM		gray, no solvent or hydroca Wet, dense, medium to fine	SAND with silt,	, dark
95 —				0.0		SP-SM		gray, no solvent or hydroca Wet, dense, medium to fine	SAND with silt,	, dark
_				0.0		SP-SM		gray, no solvent or hydroca	SAND with silt,	, dark
_			100	0.0				gray, no solvent or hydroca	arbon odor (10-9	90-0).
_				0.0		SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca	arbon odor (10-9	90-0).
100 —				0.0	0.0 B106-100			Wet, dense, medium to fine gray, no solvent or hydroca	arbon odor (10-9	90-0).
_				0.0	B100-100	SP-SM		Wet, dense, medium to fine gravel, dark brown, no solv odor (10-85-5).		
_				0.0		SP-SM		Wet, dense, medium to fine gravel, dark brown, no solv odor (10-85-5).		
			100	0.0		SP-SM		Wet, dense, medium to fine gravel, dark brown, no solv odor (10-85-5).		
105				0.0		SP-SM		Wet, dense, medium to fine gravel, dark brown, no solv odor (10-85-5).		
1	-	./Drille uipmer		Major Drilling/Da LAR Sonic		Well/Auger Di Well Screene		2/8,6 inches 130 to 140 feet bgs	Notes/Comme	ents:
Samp	ler T	ype:		Core Barrel	5	Screen Slot S	Size:	0.010 inches		
1 .		ype/We	ight:	- -	lbs F	ilter Pack Us	sed:	Colorado Silica Sand		
		ıg Dept	•	140		Surface Seal:		Concrete		
1		Depth:		140	9	Annular Seal:		Bentonite grout		
1		ID No.:		BCK 019	· ·	Monument Ty		Flush Mount	Page:	7 of 10



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 | B106 LOG | MW106

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Denth At

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

L										
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
105				0.0		SP-SM		Moist, dense, coarse to med and gravel, gray, no solven (10-85-5).		
-			100	0.0		SP-SM		Moist, dense, coarse to me and gravel, gray, no solven		
				0.0		SP-SM		(10-85-5). Moist, dense, coarse to med and gravel, gray, no solven (10-90-0).		
110 —				0.0		SP-SM		Moist, dense, coarse to med and gravel, gray, no solven (10-90-0).		
-	0.0 SP-SM Wet, dense, coarse to medum SA gray, no solvent or hydrocarbon									
-				0.0		SP-SM		Wet, dense, coarse to medu gray, no solvent or hydroca		
				0.0		SP-SM		Wet, dense, medum to fine no solvent or hydrocarbon		
115 —			100	0.0		SP-SM		Wet, dense, medum to fine no solvent or hydrocarbon		
_				0.0		SP-SM		Wet, dense, fine to medium gray, no solvent or hydroca		
-				0.0		SP-SM		Wet, dense, fine to medium gray, no solvent or hydroca		
				0.0		SP-SM		Wet, dense, fine to medium trace gravel, dark gray, no hydrocarbon odor (10-87-03	solvent or	
120	20		0.0		SP-SM		Wet, dense, fine to medium trace gravel, dark gray, no hydrocarbon odor (10-87-03	solvent or		
1	,		ajor Drilling/Dar	n We	ell/Auger D	iameter:	2/8,6 inches	Notes/Comments:		
Drillin	g Eq	uipmen	nt: L/	AR Sonic	We	ell Screene	d Interval:	130 to 140 feet bgs		
Sampl	ler Ty	/pe:	C	ore Barrel	Sc	reen Slot S	Size:	0.010 inches		
1		ype/We	_		lbs Fil	ter Pack U	sed:	Colorado Silica Sand		
1	Total Boring Depth: 140			feet bgs Su	rface Seal:	•	Concrete			
1	Total Well Depth: 140			9	nular Seal		Bentonite grout			
State	· • • • • • • • • • • • • • • • • • • •		CK 019	Mo	onument Ty	/pe:	Flush Mount	Page: 8	3 of 10	
	tate well ib No									=-



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 | B106 LOG | MW106

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic Description	on	Well Construction Detail
120				0.0	B106-120	SP-SM		Wet. dense, medium SAND gravel v gray, no solvent or hydrocarbon od		
_			100	0.0		SP-SM		Wet, dense, coarse, medium SAND and silt, dark gray, no solvent or hy odor (10-50-10).		
				0.0		SP-SM		Wet, dense, medium SAND with silt solvent or hydrocarbon odor (10-90	i, dark gray, r I-0).	no
125 —				0.0		SP-SM		Wet, dense, medium SAND with silt solvent or hydrocarbon odor (10-90)		ю
-				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).		
	100		100	0.0		SP-SM		Wet, dense, fine to medium SAND v gray, no solvent or hydrocarbon oc		(
				0.0		SP		Wet, dense, gravelly, coarse to med with gravel and silt, dark gray, no s hydrocarbon odor (5-60-35).		
130 —				0.0		SP	የ _ተ ማህላታው/	Wet, dense, gravelly, coarse to med with gravel and silt, dark gray, no shydrocarbon odor (5-60-35).		
_				0.0	B106-130	GM 150		Wet, dense, silty sandy GRAVEL, d solvent or hydrocarbon odor (25-25	5-50).	
	\bigwedge			0.0		GM SS SS		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).		
-				0.0		GM		Wet, dense, silty sandy GRAVEL, d solvent or hydrocarbon odor (25-25)	ark gray, no i-50).	
135	135			0.0		GM		Wet, dense, silty sandy GRAVEL, d solvent or hydrocarbon odor (25-25	ark gray, no i-50).	
Drillin Drillin Samp	g Equ ler Ty		nt: L	Major Drilling/Dar AR Sonic Core Barrel		Well/Auger D Well Screene Screen Slot S	d Interval: Size:	130 to 140 feet bgs 0.010 inches	/Comments:	
Total Total	Borin Well I	/pe/We ig Dept Depth: ID No.:	h: 1	40	feet bgs feet bgs	Filter Pack Us Surface Seals Annular Seals Monument Ty	.	Colorado Silica Sand Concrete Bentonite grout Flush Mount	ı	0.110
State						onament 1	, pc.	Page	9:	9 of 10



Project: 700 Dexter Property

Project Number: 0797-001 Logged by: RAH Date Started: 8/14/12 Surface Conditions: Concrete

84.7' south of SE corner of 700 Dexter Well Location N/S: Well Location E/W: 112' west of SE corner of 700 Dexter

Reviewed by: CCC **Date Completed:** 08/16/12 BORING | **B106** LOG | MW106

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

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). SP-SM Wet, dense, medium 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). SP-SM Wet, dense, medium 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). SP-SM Wet, dense, medium 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). SP-SM Wet, dense, medium 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). SP-SM Wet, dense, medium 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). 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 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 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											
SP-SM stit, dark gray, no solvent or hydrocarbon odor (10-80-10). SP-SM Wet, dense, medium to fine SAND with gravel and slit, dark gray, no solvent or hydrocarbon odor (10-80-10). SP-SM Wet, dense, medium SAND with gravel and slit, dark gray, no solvent or hydrocarbon odor (10-80-10). SP-SM Wet, dense, medium SAND with gravel and slit, dark gray, no solvent or hydrocarbon odor (10-80-10). SP-SM Wet, dense, medium SAND with gravel and slit, dark gray, no solvent or hydrocarbon odor (10-80-10). 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, sack slit of 10 feet bgs, with silica sand from 128 to 140 feet bgs, with silica sand from 128 to 128 feet bgs, benchonite seal from 118 to 128 feet bgs, and finished with a flush-mounted mountmand and consenses. Completed as monitoring well MW116	Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)			Graphic	Lithologic De	escription	Well Construction Detail
Bright Special	135						SP-SM		silt, dark gray, no solvent o (10-80-10). Wet, dense, medium to fine silt, dark gray, no solvent o (10-80-10). Wet, dense, medium SAND	SAND with gravel and rhydrocarbon odor with gravel and silt,	
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, suntonite seal from 128 to 140 feet bgs, bentonite seal from 118 to 128 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 Drilling Co./Driller: Major Drilling/Dan Well/Auger Diameter: 2/8.5 inches Notes/Comments: Well Screened Interval: 130 to 140 feet bgs						B106-140	SP-SM		Wet. dense, medium SAND dark gray, no solvent or hydronic salary.	with gravel and silt,	
Drilling Co./Driller: Major Drilling/Dan Well/Auger Diameter: 2/8,6 inches Drilling Equipment: LAR Sonic Well Screened Interval: 130 to 140 feet bgs	-	-							bentonite grout from 2 feet Two-inch diameter well insi feet bgs, screened from 130 silica sand from 128 to 140 seal from 118 to 128 feet bg from 2 to 118 feet bgs, and mounted monument and co	to 118 feet depth. talled to a depth of 140 0 to 140 feet bgs, with feet bgs, bentonite gs, bentonite grout I finished with a flush- oncrete seal.	
Drilling Co./Driller: Major Drilling/Dan Well/Auger Diameter: 2/8,6 inches Notes/Comments: Drilling Equipment: LAR Sonic Well Screened Interval: 130 to 140 feet bgs	145 —	145 —									
Drilling Equipment: LAR Sonic Well Screened Interval: 130 to 140 feet bgs	- 150										
Hammer Type/Weight: Ibs Filter Pack Used: Colorado Silica Sand Total Boring Depth: 140 feet bgs Total Well Depth: 140 feet bgs	Drillin Samp Hamn Total Total	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: Total Well Depth:		nt: L (eight: - th: 1	LAR Sonic Core Barrel - 40 40	We Sc Ibs Fill feet bgs An	ell Screene reen Slot S ter Pack U rface Seal nular Seal	d Interval: Size: sed: :	130 to 140 feet bgs 0.010 inches Colorado Silica Sand Concrete Bentonite grout		0 of 10



89' N of SE corner of 700 Dexter Well Location N/S: Well Location E/W: 7.5' E of SE corner of 700 Dexter

Reviewed by: CCC **Date Completed:** 12/03/12 BORING | B107 LOG | MW107

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

25 feet bgs

Water Depth

				Da	te Complete	d: 12/0:	3/12		Aiter Completi	on 17.35 leet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
0		2 1 1	20	0.0	B107-05	SP-SM (FILL)		Damp, very loose, medium gravel and fill debris, brow hydrocarbon odor (10-80-1) Damp, stiff, SILT with fine shrown, no solvent or hydro 10).	n, no solvent or 0) (FILL). sand and gravel, I ocarbon odor (60-3	ight 30-
	_	./Drille		Cascade/Curtis		ell/Auger D		2/8.25 inches 35-45 feet bas	Notes/Commen	its:
Samp		uipmen voe:		ISA split-spoon		'ell Screene creen Slot S		35-45 feet bgs 0.010 inches		
		ype. ype/We			-	Iter Pack U		2/12 Sand		
		ype/we ig Dept				urface Seal:		Concrete		
		Depth:	4:			nnular Seal:		Bentonite chips		
		ID No.:		HS 773	•	onument Ty		Flush mount	Page:	1 of 4
					"	onument 1)	, ρυ.	aon moant	Page:	1 of 4



89' N of SE corner of 700 Dexter Well Location N/S: Well Location E/W: 7.5' E of SE corner of 700 Dexter

Reviewed by: CCC **Date Completed:** 12/03/12 BORING | B107 LOG | MW107

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

25 feet bgs

Water Depth

				Da	ite Complete	ea: 12/03	3/12	Aiter Co	inpiction 17	.33 leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description		Well Construction Detail
15	$\setminus /$	7	100	1.5	B107-15	МН		Moist, stiff, SILT with fine sand and gra	vel, gray,	
	X	7						no solvent or hydrocarbon odor (60-30-	10).	
-		7				SM-MH	1:11:11:	Damp, medium dense, silty SAND with wood waste, and rootlets, slightly plast shoreline sediments, dark brown, no so hydrocarbon odor (45-45-10).	ic,	
20 —		10 10 15	100	2.0		SM		Damp, medium dense, silty fine to med SAND, gray, no solvent or hydrocarbor 65-0).	ium odor (35-	
25		7 8 9	100	3.6	B107-25	SP-SM		Wet, medium dense, medium to fine SA silt and gravel, brown, no solvent or hy odor (15-75-10).	ND with drocarbon	
30	_							0/0.05		
	_	./Drilleı uipmen		Cascade/Curtis	I	Vell/Auger Di Vell Screene		2/8.25 inches Notes/Cor 35-45 feet bgs	nments:	
Samp	ler T	уре:	5	Split-spoon	I .	Screen Slot S		0.010 inches		
		ype/We	-			Filter Pack Us		2/12 Sand		
1		ng Dept Depth:			٠ ا	Surface Seal: Annular Seal:		Concrete Bentonite chips		
1		ID No.:		3 BHS 773	-	Monument Ty		Flush mount Page:	2	of 4
1						•	-	i age.		UI 7



89' N of SE corner of 700 Dexter Well Location N/S: Well Location E/W: 7.5' E of SE corner of 700 Dexter

Reviewed by: CCC **Date Completed:** 12/03/12 BORING | **B107** LOG | MW107

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription		Well Construction Detail
-		20 22 25	90	22.0		SM		Wet, dense, silty fine SAND solvent or hydrocarbon odd	with gravel, gra or (35-55-10).	ay, no	
35 —		50/6"	33	82.1	B107-35	SM		Wet, very dense, silty medi gravel, gray, no solvent or l 65-10).	um to fine SANI nydrocarbon od	D with lor (25-	
40 —		50/6"	33	20.2		SM		Wet, very dense, silty medi gravel, cohesive, gray, no s hydrocarbon odor (25-65-10	olvent or	D with	
Drillir Drillir	ng Eq	o./Drille	nt: H	ascade/Curtis SA	w	ell/Auger D	d Interval:		Notes/Comme	ents:	
	ner T	ype/We	ight: 30		lbs Fi	creen Slot S Iter Pack Us	sed:	0.010 inches 2/12 Sand			
Total	Well	ng Dept Depth:	45	5	feet bgs A	urface Seal: nnular Seal	:	Concrete Bentonite chips			
State	Well	ID No.:	В	HS 773	M	onument Ty	ype:	Flush mount	Page:	3	of 4



89' N of SE corner of 700 Dexter Well Location N/S: Well Location E/W: 7.5' E of SE corner of 700 Dexter

Reviewed by: CCC **Date Completed:** 12/03/12



Site Address: 700 Dexter Avenue Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	\times	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 Drillir	ng Co	./Drille	<u> </u> r: C	ascade/Curtis		 Well/Auger D	iameter:	2/8.25 inches Notes/Comments:	
Drillin	ıg Eq	uipmer	nt: H	SA	,	Well Screene	d Interval:	35-45 feet bgs	
Samp		ype: ype/We		plit-spoon 00		Screen Slot S Filter Pack U		0.010 inches 2/12 Sand	
		ype/we ig Dept			I .	Surface Seal:		Concrete	
Total	Well	Depth:	4	5	feet bgs	Annular Seal		Bentonite chips	
State	Well	ID No.:	В	HS 773		Monument Ty	/pe:	Flush mount Page: 4	of 4



BHS765

State Well ID No.:

Project: 700 Dexter **Project Number:** 0797-001 RAH Logged by: **Date Started:** 12/14/12 Surface Conditions: concrete

10.8' S of NW corner Seattle Ducati building 14' W of NW corner of Seattle Ducati building

Reviewed by: CCC **Date Completed:** 12/14/12

Well Location E/W:

BORING **B108** LOG | MW108

Site Address: 700 Dexter Avenue North

Seattle, Washington

15

Water Depth At Time of Drilling

Water Depth After Completion -- feet bgs feet bgs

1 of 4

Page:

					ite Completed	12/1	4/12		1001 bg0
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
-								Cleared borehole with a vactor truck to a depth of 9 feet below ground surface.	of
5									
- 10 — - -		5 6 8	50	3.4		SM (FILL)		Damp, medium dense, silty SAND with Fill debrishlack, no solvent or hydrocarbon odor. (FILL).	s,
15		/D::"		0d-/0	 	-11/4	Name a *	2/8.25 inches Notes/Comments:	
		./Drilleı uipmen		Cascade/Curtis HSA LAR		ell/Auger D ell Screene			
Samp				Dames and Moor	I	reen Slot		0.010 inches	
Hamn	ner T	ype/We		140		lter Pack U		2/12 Silica Sand	
		g Dept		50.5	- 1	ırface Seal		Concrete	
Total	Well	Depth:	;	50	feet bgs Ar	nular Seal	:	Bentonite	

Flush mount

Monument Type:



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 12/14/12

Surface Conditions: concrete 10.8' S of NW corner Seattle Ducati building 14' W of NW corner of Seattle Ducati building

Reviewed by: CCC **Date Completed:** 12/14/12

Well Location E/W:

BORING | B108 LOG | MW108

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

			Da	te Completed	1: 12/14	4/12		Aiter Compi	etion reet bys	
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail	on
15	3 3 5	60	2.1	B108-15	SM		Wet, loose, silty SAND with waste, dark gray, no solven (35-55-10) (FILL).	gravel and woo t or hydrocarbo	od on odor	
20 -	4 6 5	80	0.3		SM		Wet, loose, silty SAND with solvent or hydrocarbon odd	gravel, gray, no or (40-50-10).		
25	7 7 9	80	0.3	B108-25	SM-ML		Moist, medium dense, silty gray, no solvent or hydroca	SAND with grav	rel, :0-10).	
Drilling Co Drilling Eq Sampler Ty Hammer Ty	uipmen ype: ype/We	nt: H [ight: 1	-	e So Ibs Fi	ell/Auger D ell Screene creen Slot S lter Pack U	d Interval: Size: sed:	0.010 inches 2/12 Silica Sand	Notes/Comme	ents:	
Total Borir Total Well State Well	Depth:	5		feet bgs Ar	irface Seal: nnular Seal: onument Ty	:	Concrete Bentonite Flush mount	Page:	2 of 4	-
1						•		raye.	2014	- 1



10.8' S of NW corner Seattle Ducati building Well Location N/S: Well Location E/W: 14' W of NW corner of Seattle Ducati building

Reviewed by: CCC **Date Completed:** 12/14/12 BORING | B108 LOG | MW108

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

				Da	ite Completeu	. 12/14	4/12		1001 290
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 of hydrocarbon odor (40-60-0). Lacostrene sediments.	r
_		17 20 23	100	0.3		SM		Wet, dense, silty fine SAND with gravel, gray, n solvent or hydrocarbon odor (40-60-0). Lacostrine sediments.	0
35 —		50/6"	100	0.0	B108-35	МН		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).	i, <u> </u>
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).	t,
-		50/6"	40	0.3		SM		Wet, very dense, silty SAND, brown, no solvent or hydrocarbon odor (40-60-0).	
45									
1	_	./Drille		Cascade/Curtis		II/Auger D		2/8.25 inches Notes/Comments:	:
	-	uipmer		HSA LAR		II Screene		G	
Samp				Dames and Moor	1	reen Slot S	-	0.010 inches	
		ype/We	-			er Pack U		2/12 Silica Sand	
1		ng Dept			<u> </u>	rface Seal:		Concrete	
		Depth:		50 BHS765	9	nular Seal		Bentonite Flush mount	
State	weii	ID No.:		DU9/03	Mo	nument Ty	ype:	Flush mount Page:	3 of 4



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 | B108 LOG | MW108

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
45		50/6"	50	0.0	B108-45	SM		Wet, very dense, silty SANI or hydrocarbon odor (40-60	D, brown, no solvent)-0).	
-		50/6"	50	0.0		SM		Wet, very dense, silty SANI or hydrocarbon odor (40-60	D, brown, no solvent J-0).	
50 —	X	50/6"	50	0.0	B108-50	SM		Damp, very dense, silty SA no solvent or hydrocarbon	ND, cohesive, brown, odor (40-60-0).	
-								Boring terminated at 50.5 fdiameter well installed to a screened from 40 to 50 feet with a flush-mounted monuseal. Completed as monitor	depth of 50 feet bgs, t bgs, and finished ument and concrete	
55 —										
Drillin Drillin Samp Hamn Total Total	Total Boring Depth: 50.5 fe			e Sc lbs Fill feet bgs Su feet bgs An	ell/Auger D ell Screene reen Slot S ter Pack U rface Seal: nular Seal nular Seal	d Interval: Size: sed: :	2/8.25 inches 40-50 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite Flush mount	Notes/Comments:	of 4	



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 | B109 LOG | MW109

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth
After Completion --

				Da	te Completed	: 12/04	4/12	_	Aiter Completion	eet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Des	cription	Well Construction Detail
5		2 2 3 1 1 1 1	100	0.0	B109-05	SM (FILL)		6" concrete surfacing. Moist, loose, silty SAND with gray, no solvent or hydrocarl (FILL). Moist, very loose, silty SAND black, slight hydrocarbon od) with gravel, gray to	
	_	./Drille		ascade/Curtis		ell/Auger D			Notes/Comments:	
Drillin		uipmen ype:		SA ames and Moor	I	ell Screene reen Slot S		35 to 45 feet bgs 0.010 inches		
		ype/We				ter Pack U	-	2/12 silica sand		
Total	Borir	ng Dept	h: 45		· ·	rface Seal:		Concrete		
		Depth:	45		•	nular Seal:		Bentonite		
State	Well	ID No.:	Bl	HS 771	Mo	nument Ty	/pe:	Flush mount	Page: 1	of 4
									- 1	



138.5' N of SE corner of Seattle City Light Building 7.0' E of SE corner of Seattle City Light Building

Reviewed by: CCC **Date Completed:** 12/04/12

Well Location E/W:

BORING | B109 LOG | MW109

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

		Da	te Completed	12/04	4/12		Aitei Compi	etion leet bgs
Depth (feet bgs) Interval	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic De	escription	Well Construction Detail
15 2 3 3	100	6.9	B109-15	SM		Moist, loose, silty medium gravel, gray, moderate hyd 5).	to fine SAND wi Irocarbon odor (th 20-75-
20 3 3 2 3	100	0.5		SM		Wet, loose, silty SAND with on sample, no solvent or h 55-15).	n gravel, gray, sl ydrocarbon odo	neen r (30-
25 3 3 5	100	0.0	B109-25	SM		Wet, loose, silty medium to gravel, gray, no solvent or 60-10).	o fine SAND with hydrocarbon od	or (30-
Drilling Co./Dri Drilling Equipm Sampler Type: Hammer Type/	ent: F D Weight: 3		e Sc lbs Fil	ell/Auger D ell Screene reen Slot S ter Pack U	d Interval: Size: sed:	0.010 inches 2/12 silica sand	Notes/Comme	ents:
Total Boring De Total Well Dept State Well ID N	h: 4		feet bgs An	rface Seal nular Seal nument Ty	:	Concrete Bentonite Flush mount	Page:	2 of 4
I							i age.	<u> </u>



138.5' N of SE corner of Seattle City Light Building 7.0' E of SE corner of Seattle City Light Building

Reviewed by: CCC **Date Completed:** 12/04/12

Well Location E/W:

BORING | B109 LOG | MW109

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Desci	ription	Well Construction Detail
30		5	100	0.0		МН		Damp, loose, organic sandy SI material, dark brown, no solve odor (60-40-0).	ILT with plant nt or hydrocarbo	no
-		20 50/6"	100	0.5		SM		Damp, very dense, silty medium with gravel, gray, no solvent on (30-60-10).	m to fine SAND r hydrocarbon o	dor
35 —		7 9 20	100	0.0	B109-35	SP-SM		Wet, medium dense, medium to silt, dark gray, no solvent or hy (10-90-0).	o fine SAND witi ydrocarbon odol	
-		15 50/6"	60	0.0		SP-SM		Wet, very dense, medium to fin dark gray, no solvent or hydrog 90-0).	ne SAND with sil carbon odor (10	t,
40 —		50/6"	30	0.0		SP-SM		Wet, very dense, medium to findark gray, no solvent or hydrog 90-0).	ne SAND with sil carbon odor (10	t,
-		14 50/6"	60	30.8		SP-SM		Wet, very dense, medium to findark gray, no solvent or hydrog 90-0).	ne SAND with sil carbon odor (10	t,
45 Drillin	ng Co	o./Drille	r: C	 	w	ell/Auger Di	iameter:	2/8.25 inches N	lotes/Comments	<u> </u>
Drillin	ıg Eq	uipmer	nt: H	ISA	W	ell Screene	d Interval:	35 to 45 feet bgs		
Samp				ames and Moor	-	reen Slot S ter Pack Us	-	0.010 inches		
		ype/We ng Dept	-			ter Pack Us		2/12 silica sand Concrete		
1		Depth:	4	5	- 1	ınular Seal:		Bentonite		
State	Well	ID No.:	В	SHS 771	Mo	onument Ty	/pe:	Flush mount F	Page:	3 of 4



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 | B109 LOG | MW109

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth
After Completion --

\vdash				_						
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
45	\bigvee	50/6"	30	34.3	B109-45	SP-SM	/./././.			
						31 -31VI	<u> </u>	wet, very dense, medium t	o tine SAND with silt,	
50 —						SP-SM		Wet, very dense, medium to dark gray, no solvent or hy 90-0). Boring terminated at 45.5 for diameter well installed to a screened from 35 to 45 fee with a flush-mounted monitories. Completed as monitories.	eet bgs. Two-inch- depth of 45 feet bgs, t bgs, and finished ument and concrete	
-										
-										
-										
60										
60 Drillin	na C-	/Drille	r. /	Paccado/Curtio	147.	ell/Auger D	iamotor	2/8.25 inches	Notes/Comments:	
	Orilling Co./Driller: Cascade/Curtis Orilling Equipment: HSA			ell/Auger D ell Screene			Notes/Comments.			
Samp				Dames and Moor		reen Slot S		0.010 inches		
		ype/We				ter Pack Us		2/12 silica sand		
		ng Dept			I	ırface Seal:		Concrete		
		Depth:				nular Seal:	• •	Bentonite		
				3HS 771		onument Ty	/pe:	Flush mount	Page: 4	1 of 4
	State Well ID No.: BHS							9		



10.9' N of SE corner of Seattle City Light building Well Location N/S: Well Location E/W: 7.6' E of SE corner of Seattle City Light building

Reviewed by: CCC Date Completed: 12/04/12 BORING | B110 LOG | MW110

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Water Deput...
Time of Drilling

25 feet bgs

Water Depth

Sample Damp, very loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-70-5) SM (FILL) Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-68-10) (FILL).	L				Da	te Completed	. 12/04	4/12		7 ittor Completion 2	
SM (FILL) Damp, very loose, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (25-70-5) SM (FILL) Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-65-10) (FILL).	Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)			Graphic	Lithologic De	escription	Well Construction Detail
15	5—		2 2 3 3 3			B110-05	(FILL)		Damp, very loose, silty SAN brown, no solvent or hydro (FILL).	th gravel, brown, no	
Drilling Co./Driller:Cascade/CurtisWell/Auger Diameter:2/8.25inchesDrilling Equipment:HSAWell Screened Interval:35 to 45feet bgsSampler Type:Dames and MooreScreen Slot Size:0.010inchesHammer Type/Weight:300IbsFilter Pack Used:2/12 silica sandTotal Boring Depth:45.5feet bgsSurface Seal:ConcreteTotal Well Depth:45feet bgsAnnular Seal:Bentonite	Drillin Drillin Samp Hamn Total	ng Eq oler Ty ner T Borir Well	uipmer ype: ype/We ng Dept Depth:	nt: eight: th:	HSA Dames and Moor 300 45.5 45	e Sc lbs Fill feet bgs Su feet bgs An	ell Screene reen Slot S ter Pack U rface Seal nular Seal	d Interval: Size: sed: :	35 to 45 feet bgs 0.010 inches 2/12 silica sand Concrete Bentonite		1 of 4



10.9' N of SE corner of Seattle City Light building Well Location N/S: Well Location E/W: 7.6' E of SE corner of Seattle City Light building

Reviewed by: CCC **Date Completed:** 12/04/12 BORING | B110 LOG | MW110

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

25 feet bgs

Water Depth

L					-					
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Do	escription	Well Construction Detail
15		5 5 5	100	0.0	B110-15	SM (FILL)		Damp, loose, silty SAND w no solvent or hydrocarbon	rith trace gravel, brown, odor (25-70-5) (FILL).	
20		9 10 11	90	3.3		SM (FILL)		Damp, medium dense, silty gray, no solvent or hydroc (FILL).	y SAND with gravel, arbon odor (30-60-10)	
25		7 9 10	100	1.1	B110-25	SM-ML		Wet, very stiff, fine sandy swaste, and plant material, hydrocarbon odor (45-40-1	no solvent or	
Drillin Samp Hamm Total	g Eq ler T ner T Borir	ype/We ng Dept	nt: H D ight: 30	5.5	e Scolbs Fill feet bgs Su	ell/Auger D ell Screene creen Slot S ter Pack Us irface Seal	d Interval: Size: sed:	0.010 inches 2/12 silica sand Concrete	Notes/Comments:	
		Depth: ID No.:		HS772	٠ ا	nular Seal onument Ty		Bentonite Flush mount	Page: 2	of 4



10.9' N of SE corner of Seattle City Light building Well Location N/S: Well Location E/W: 7.6' E of SE corner of Seattle City Light building

Reviewed by: CCC **Date Completed:** 12/04/12



Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

25 feet bgs

Water Depth

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction Detail
30		8 12 15	100	0.5		SP-SM		Wet, medium dense, mediur silt, gray, no solvent or hydr 0).		
-		12 15 15	100	1.1		SP-SM SM		Wet, medium dense, mediur silt, brown, no solvent or hy 90-0). Wet, medium dense, silty m brown, no solvent or hydrod	drocarbon odor (edium to fine SAI	(10-
35 —		50/6"	30	9.9	B110-35	SM		Damp, very dense, silty SAN cohesive, gray, no solvent o (35-55-10).		dor
-		50/6"	30	0.5		SM		Damp, very dense, silty SAN cohesive, gray, no solvent o (35-55-10).	ND with gravel, or hydrocarbon o	dor
40 —		50/6"	30	1.1		ML		Damp, hard, silt with fine SA cohesive, gray, no solvent c (60-35-5).		
-		50/6"	30	1.1		SM-ML		Damp, very dense, silty fine gray, no solvent or hydroca	SAND with grave rbon odor (45-45-	el, -10).
45										
Drillir	ng Co	./Drille	r: C	Cascade/Curtis	We	II/Auger D	iameter:	2/8.25 inches	Notes/Commen	ts:
	-	uipmer		ISA		II Screene				
Samp				ames and Moor	-	reen Slot S	-	0.010 inches		
		ype/We	-			er Pack U		2/12 silica sand		
1		ng Dept Depth:				rface Seal: nular Seal		Concrete Bentonite		
		ID No.:		BHS772	9	nument Ty		Flush mount	Page:	3 of 4
							•		ı ayt.	J UI 4



10.9' N of SE corner of Seattle City Light building Well Location N/S: Well Location E/W: 7.6' E of SE corner of Seattle City Light building

Reviewed by: CCC **Date Completed:** 12/04/12 BORING | B110 LOG | MW110

Site Address: 700 Dexter Avenue

Seattle, Washington

Water Depth At Time of Drilling

25 feet bgs

Water Depth

<u> </u>				ite Completed	12/0	4/12				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic D	escription	Well Construction Detail
45	\bigvee	50/6"	30	1.1	B110-45	SM				
	\triangle					SIVI		Damp, very dense, silty fir		
55 —								cohesive, gray, no solven (35-55-10). Boring terminated at 45.5 diameter well installed to screened from 35 to 45 few with a flush-mounted mor seal. Completed as monit	feet bgs. Two-inch- a depth of 45 feet bgs, et bgs, and finished nument and concrete	
60										
	να C-	./Drille	·	Cascade/Curtis	10/2	II/Augor D	iametor	2/8.25 inches	Notes/Comments:	1
1	_					ell/Auger D			Notes/Comments:	
		uipmer		HSA		ell Screene		3 -		
Samp				Dames and Moor		reen Slot S		0.010 inches		
		ype/We				ter Pack U	sed:	2/12 silica sand		
		ng Dept		45.5	feet bgs Su	rface Seal	:	Concrete		
		Depth:			-	nular Seal		Bentonite		
		ID No.:		BHS772	· ·	nument Ty		Flush mount	Page:	4 of 4



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 | **B111** LOG | MW111

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0		1 2 3 3 1 1 1 1 1	90	0.8	B111-10	SM (FILL)		Moist, loose, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25 60-15) (FILL). Damp, very loose, silty medium to fine SAND wit gravel, wood waste, dark brown, no solvent or hydrocarbon odor (25-60-15) (FILL).	
Drillin Samp Hamn Total Total	g Eq ler T ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	ight: 5		lbs F feet bgs feet bgs A	/ell/Auger D /ell Screene creen Slot S ilter Pack Us urface Seals nnular Seals lonument Ty	d Interval: Size: sed: :	2/8.25/10.25 inches 70 to 80 feet bgs 0.010 inches #2/12 silica sand Concrete Bentonite chips Flush mount Notes/Comments: Conductor casing set at	50 feet bgs.



92.5' N of SE corner of SCL building Well Location N/S: Well Location E/W: 7.5' E of SE corner of SCL building

Reviewed by: CCC **Date Completed:** 12/05/12 BORING | **B**111 LOG | MW111

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Graphic Graphi	Lithologic Description Well Construction Detail
15 3 100 1.8 SM Damp, Ic slight hy	ose, silty fine to medium SAND, gray, drocarbon odor (40-60-0).
20 — 4 100 1.3 B111-20 SM-ML Wet, mer plastic, 9 45-0).	dium stiff, fine sandy SILT, slightly gray, no solvent or hydrocarbon odor (55-
\	dium dense, silty medium to fine SAND e gravel, gray, no solvent or rbon odor (40-55-5).
Drilling Co./Driller:Cascade/CurtisWell/Auger Diameter:2/8.25/1Drilling Equipment:HSAWell Screened Interval:70 to 80Sampler Type:Split-spoonScreen Slot Size:0.010	feet bgs inches ilica sand e chips



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/05/12

Surface Conditions: Conrete 92.5' N of SE corner of SCL building Well Location N/S: Well Location E/W: 7.5' E of SE corner of SCL building

Reviewed by: CCC **Date Completed:** 12/05/12 BORING | **B111** LOG | MW111

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	scription		Well Construction Detail
30		7 10 11	10		B111-30	SP-SM		Wet, medium dense, fine to silt and trace gravel, gray, n hydrocarbon odor (15-80-5)	o solvent or	with	
-		11 12 13	60	0.2		SP-SM		Wet, medium dense, mediun silt, dark gray, no solvent of (15-85-0).	n to fine SAND r hydrocarbon (with odor	
35 —		6 7 7	80	1.8		SP-SM		Wet, medium dense, fine to silt, dark gray, no solvent or (10-90-0).	medium SAND r hydrocarbon (with door	
-		17 50/6"	80	17.0	B111-38	SP-SM		Wet, very dense, fine to coa and trace gravel, dark gray, hydrocarbon odor (10-85-5)	no solvent or	silt	
40 —		50/6"	100	3.5		SP-SM		Wet, very dense, fine to med dark gray, no solvent or hyd 90-0). Heaving sands.	dium SAND wit Irocarbon odor	h silt, (10-	
-		12 14 16		57.8		SP-SM SM		Wet, medium dense, fine to silt and trace gravel, gray, n hydrocarbon odor (10-85-5). Damp, medium dense, silty gravel, gray, no solvent or h 70-5).	o solvent or SAND with trac	e	
45	^-	/Drille	^	`aaaada/Oti-		Moll/Array D	iomoto::-	2/8.25/10.25 inches	Notoo/Com	onto	
	-	./Drille uipmer		Cascade/Curtis	I	Nell/Auger Di Nell Screene		inones	Notes/Commo		ant has
Samp	-	-		Split-spoon		Screen Slot S		0.010 inches	Conductor casing	g set at 50 fe	eet Dgs.
1		ype/We	_			Filter Pack Us		#2/12 silica sand			
1		ng Dept				Surface Seal:		Concrete			
		Depth: ID No.:		0 BHS770	0	Annular Seal: Monument Ty		Bentonite chips Flush mount	Page:	<u> </u>	of 6
									Page:		of 6



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 12/05/12

Surface Conditions: Conrete 92.5' N of SE corner of SCL building Well Location N/S: Well Location E/W: 7.5' E of SE corner of SCL building

Reviewed by: CCC **Date Completed:** 12/05/12 BORING | **B111** LOG | MW111

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

				Da	ite Completed	12/0	5/12		Aiter Compie	etion reet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction Detail
45		20 50/6"	60	32.8		SP-SM		Wet, very dense, fine to med and trace gravel, gray, no so odor (10-85-5).	dium SAND with	h silt carbon
_		25 50/6"	60	36.0		SM		Damp, very dense, silty SAI cohesive, gray, no solvent (40-50-10).		
50 -		50/6"	30	8.9	B111-50	ML		Damp, hard, SILT with fine s cohesive, gray, no solvent o (50-35-15).	sand and gravel or hydrocarbon	l, odor
55 —		50/6"	30	8.4		ML		Damp, hard, SILT with sand gray, no solvent or hydroca	and gravel, col rbon odor (50-3	hesive, 15-15).
60 Drillin	0-	o./Drille		Cascade/Curtis	100	NI/Augus D		2/8.25/10.25 inches	Notes/Comme	
Drillin Samp	g Eq ler T	uipmer ype:	nt: H	HSA Split-spoon	We Sc	ell/Auger D ell Screene reen Slot S	d Interval: Size:	70 to 80 feet bgs 0.010 inches		ents: g set at 50 feet bgs.
Total I	Borii Well	ype/We ng Dept Depth:	h: 8	80.5 80	feet bgs Su feet bgs An	ter Pack Us rface Seal nular Seal	:	#2/12 silica sand Concrete Bentonite chips		
State '	Well	ID No.:	E	BHS770	Mo	nument Ty	ype:	Flush mount	Page:	4 of 6



92.5' N of SE corner of SCL building Well Location N/S: Well Location E/W: 7.5' E of SE corner of SCL building

Reviewed by: CCC **Date Completed:** 12/05/12 BORING | **B**111 LOG | MW111

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

			Da	te Comple	icu.	12/00)/ I Z				1001.090
Depth (feet bgs) Interval	Blow Count	Recovery	PID (ppmv)	Samp ID		JSCS Class	Graphic	Lithologic De	scription		Well Construction Detail
60 50	0/6"	30	0.8	B111-60		GM		Wet, very dense, silty sandy solvent or hydrocarbon odd	/ GRAVEL, gray or (25-25-50).	y, no	
65 - 50	0/6"	30	0.2			GМ		Wet, very dense, silty sandy solvent or hydrocarbon odd	/ GRAVEL, gray or (30-25-45).	/, no	
70 - 50)/6"	30	2.9	B111-70		GM		Wet, very dense, silty sandy solvent or hydrocarbon odd	/ GRAVEL, gray or (30-20-50).	y, no	
75	0/6"	30	0.2			GM		Wet, very dense, silty sandy solvent or hydrocarbon odd	/ GRAVEL, gray or (30-20-50).	/, no	
Drilling Co./D	riller:	Ca	scade/Curtis		Well/A	uger Di	iameter:	2/8.25/10.25 inches	Notes/Comm	ents:	
Drilling Equip		HS				-	d Interval:				
Sampler Type			olit-spoon			n Slot S		0.010 inches	Conductor casing	g set at 50 f	eet bgs.
Hammer Type		-	-	lbs		Pack Us		#2/12 silica sand			
Total Boring	_	80.				e Seal:		Concrete			
		80		٠ ١							
Total Well De				feet bgs		ar Seal:		Bentonite chips		1	
State Well ID No.:		BF	HS770		Monun	nent Ty	/pe:	Flush mount	Page:	5	of 6



92.5' N of SE corner of SCL building Well Location N/S: Well Location E/W: 7.5' E of SE corner of SCL building

Reviewed by: CCC **Date Completed:** 12/05/12



Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction Detail
75 -		50/5"	100	1.9		GM		Wet, very dense, silty sandy solvent or hydrocarbon odd	/ GRAVEL, gray, no or (30-20-50).	
-		50/6"	100	0.4		GM		Wet, very dense, silty sandy solvent or hydrocarbon odd	/ GRAVEL, gray, no or (30-20-50).	
80 —	X	50/6"	30	3.5	B111-80	GM		Wet, very dense, silty sandy solvent or hydrocarbon odd	/ GRAVEL, gray, no or (30-20-50).	
-								Boring terminated at 80.5 fe diameter well installed to a screened from 70 to 80 feet with a flush-mounted monu seal. Completed as monitor	depth of 80 feet bgs, bgs, and finished ment and concrete	
85 — - - - 90										
Drillir Samp Hamn Total Total	Drilling Co./Driller: Cascade/Co./Drilling Equipment: HSA Sampler Type: Split-spoor Hammer Type/Weight: 300 Total Boring Depth: 80.5 Total Well Depth: 80			plit-spoon 00 0.5	We Sc Ibs Fill feet bgs An	ell/Auger D ell Screene reen Slot S ter Pack U rface Seal nular Seal	d Interval: Size: sed: :	2/8.25/10.25 inches 70 to 80 feet bgs 0.010 inches #2/12 silica sand Concrete Bentonite chips Flush mount	Notes/Comments: Conductor casing set at 50	feet bgs.
	State Well ID No.:						-		Page: 6	010



105.5' N of SE corner of building Well Location N/S: Well Location E/W: 15' E of SE corner of building

Reviewed by: CCC **Date Completed:** 12/11/12 BORING | **B112** LOG | MW112

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0		0 1 1	100	1.4	B112-10	SM-ML (FILL)		Asphalt/concrete at the surface. Borehole cleared to a depth of 9 feet bgs with a vactor truck. Damp, soft, fine sandy SILT with gravel and rootlets, brown, no solvent or hydrocarbon odo (40-40-20) (FILL).	
Drillin Drillin Samp Hamn Total Total	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: Total Well Depth: State Well ID No.:		nt: F 	5.5	e S Ibs Fi feet bgs feet bgs A	/ell/Auger Di /ell Screene creen Slot S ilter Pack Us urface Seal: nnular Seal: lonument Ty	d Interval: Size: sed:	2/8.25 inches 75 to 85 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite Flush mount Notes/Comments: Notes/Comments: Page:	1 of 6



Well Location E/W: Aspirative or for the Well Location E/W: 4Aspirative or for the Well Location E/W: 4Aspirative

Reviewed by: CCC **Date Completed:** 12/11/12

BORING | B112 LOG | MW112

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

5 feet bgs

Water Depth
After Completion --

					· ·					
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Des	scription	Well Construction Detail
- -		30 50/5"	100	1.7		SM		Damp, very dense, silty SAN reddish brown, no solvent o (25-55-20).	ID with gravel, r hydrocarbon odor	
20 —		50/6"	20	4.6	B112-20	SM		Damp, very dense, silty SAN brown, no solvent or hydroc 10).	ID with gravel, light arbon odor (25-65-	
25 —		50/6"	100	2.8		SP-SM		Wet, very dense, medium to reddish brown, no solvent o (15-85-0).	fine SAND with silt, r hydrocarbon odor	
Drillin Drillin Samp Hamn Total Total	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: Total Well Depth:			5.5 5	e Scilbs Filit feet bgs An	ell/Auger D ell Screene reen Slot S ter Pack U rface Seal nular Seal	d Interval: Size: sed: :	2/8.25 inches 75 to 85 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite Flush mount	Notes/Comments:	0.10
State	State Well ID No.:					ument 1	, pc.	i idon mount	Page:	2 of 6



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 | B112 LOG | MW112

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At

25 feet bgs

Time of Drilling
 Water Depth
 After Completion

Depth (feet bgs)	Interval	一面	% 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).	
Drillir	ng Eq	o./Drille Juipmer	nt: ⊢	Cascade/Curtis ISA Dames and Moor	W	/ell/Auger D /ell Screene creen Slot S	d Interval:	2/8.25 inches Notes/Comments: 75 to 85 feet bgs 0.010 inches	
Hamn	ner T	ype: 'ype/We ng Dept	ight: 3	00	lbs Fi	ilter Pack Us urface Seal:	sed:	2/12 Silica Sand Concrete	
Total	Well	Depth:	8	5	feet bgs A	nnular Seal	:	Bentonite	
State	State Well ID No.:					onument Ty	/pe:	Flush mount Page:	3 of 6



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/11/12 Surface Conditions: Asphalt/Concrete

105.5' N of SE corner of building Well Location N/S: Well Location E/W: 15' E of SE corner of building

Reviewed by: CCC **Date Completed:** 12/11/12



Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

r (s	/a	nut	gr.		Comple	e USCS	.≌				Well
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	Class	Graphic	Lithologic De	escription		Construction Detail
45 - -		50/6"	30	0.8		SM		Damp, very dense, silty SA gray, no solvent or hydroca			
50 —		50/5"	50	2.3	B112-50	SM-ML		Damp, very dense, silty SA no solvent or hydrocarbon	ND with gravel, odor (40-40-20)	gray, ·	
-		50/5"	50	2.3		SM-ML		Damp, very dense, silty SA no solvent or hydrocarbon	ND with gravel, odor (40-45-15)	gray,	
55 — -		50/6"	50	2.8		SP-SM SM		Moist, very dense, medium gray, no solvent or hydroca Moist, very dense, silty SAI no solvent or hydrocarbon	rbon odor (10-9 ND with gravel,	90-0). gray,	
- 60		50/3"	30	2.3		SM-ML		Damp, very dense, silty SAI gray, no solvent or hydroca	ND with gravel, irbon odor (40-4	dark 15-5).	
Drillin	-	./Drille		Cascade/Curtis	v	Vell/Auger D	iameter:	2/8.25 inches	Notes/Comme	ents:	
		uipmer		HSA		Well Screene					
Samp		ype: ype/We		Dames and Mooi 300		Screen Slot S Filter Pack Us		0.010 inches 2/12 Silica Sand			
		ype/we ₁g Dept	_			Filter Pack U: Burface Seal:		2/12 Silica Sand Concrete			
1		Depth:			9	Annular Seal		Bentonite			
		ID No.:		BHS767	-	Monument Ty	/pe:	Flush mount	Page:	4	of 6



Surface Conditions: Asphalt/Concrete 105.5' N of SE corner of building Well Location N/S: Well Location E/W: 15' E of SE corner of building

Reviewed by: CCC **Date Completed:** 12/11/12 BORING | **B112** LOG | MW112

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

		,	···-			
Depth (feet bgs) Interval Blow Count % Recovery	PID (ppmv)	Sample USCS Class	Graphic	Lithologic Description		Well Construction Detail
60 50/6" 50 -	1.7 B11	12-60 SM		Damp, very dense, silty SAND with gra no solvent or hydrocarbon odor (40-50	vel, gray, -10).	
50/6" 50	1.7	SM		Damp, very dense, silty SAND with grano solvent or hydrocarbon odor (40-55	ivel, gray, -5).	
70 - 50/6" 50	1.7 B11	12-70 SM		Damp, very dense, silty SAND with grano solvent or hydrocarbon odor (40-50	vel, gray, -10).	
Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth:	Cascade/Curtis HSA Dames and Moore 300 lbs 85.5 feet		d Interval: Size: sed:	2/8.25 inches 75 to 85 feet bgs 0.010 inches 2/12 Silica Sand Concrete	mments:	
Total Well Depth: State Well ID No.:	85 feet BHS767	Annular Seal: Monument Ty		Bentonite Flush mount Page:	5	of 6



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/11/12 Surface Conditions: Asphalt/Concrete

105.5' N of SE corner of building Well Location N/S: Well Location E/W: 15' E of SE corner of building

Reviewed by: CCC **Date Completed:** 12/11/12



Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Wel Construc Deta	ction
75 - - -		50/8"	50	0.5	B112-75	SM-ML SP-SM		Wet, very dense, silty SAND gray, no solvent or hydroca Wet, very dense, medium to gray, no solvent or hydroca	rbon odor (45-5 fine SAND witl	i0-5). n silt,	
80 —		50/4"	30	0.5	B112-80	SM-ML		Damp, very dense, silty SAN cohesive, gray, no solvent o (45-45-10).		odor	
85 — - -		50/6"	30	0.0	B112-85	SM-ML		Damp, very dense, silty SAN cohesive, gray, no solvent of (45-45-10). Boring terminated at 85.5 fe diameter well installed to a screened from 75 to 85 feet with a flush-mounted monuseal. Completed as monitor	et bgs. Two-indepth of 85 feet bgs, and finish ment and conc	ch- t bgs, ed rete	
Drillir Samp Hamr Total Total	ng Eq oler T ner T Borii Well	p./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: H E eight: 3 th: 8	35.5	e S Ibs F feet bgs feet bgs A	Vell/Auger Di Vell Screene Icreen Slot S ilter Pack Usurface Seal: Innular Seal:	d Interval: Size: sed: :	2/8.25 inches 75 to 85 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite Flush mount	Notes/Comme		
								<u> </u>	Page: 6 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 | B113 LOG | MW113

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth After Completion --

				Da	te Completed	12/1/	1/12		.р.сс	1001.090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description		Well Construction Detail
5		12 12 12	100	44.8	B113-10	SM		Cleared borehole with a vactor truck to a 9 feet below ground surface. Dry, medium dense, silty medium to fine with gravel, light brown, no solvent or hydrocarbon odor (15-70-15).		
Drillin Samp Hamn Total Total	ig Eq ler Ty ner T Borir Well	ype/We ng Dept Depth:	ight:	80 80	e Scilbs Filfeet bgs Ar	ell/Auger Di ell Screene creen Slot S lter Pack Us urface Seal: nnular Seal:	d Interval: Size: sed: :	0.010 inches 2/12 Silica Sand Concrete Bentonite		
State	well	ID No.:		BHS764	M	onument Ty	/pe:	Flush mount Page:	1	of 6



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete

Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by:
CCC
Date Completed: 12/17/12

BORING | B113 LOG | MW113

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling

0 feet bgs

Water Depth
After Completion --

		Da	te Completed	. 12/1/	1/12		/to:	1001 2g0
Depth (feet bgs) Interval Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
15 15 16 22 - - - - -	100	63.7		SM		Damp, dense, silty SAND w moderate hydrocarbon odd	vith gravel, gray, or (25-65-10).	
20 - 8 8 8 9 9	100	5.2	B113-20	SP-SM		Wet, medium dense, mediu gravel, gray, no solvent or 75-15).	ım to fine SAND with hydrocarbon odor (1	O-
25 - 8 8 10 12	100	1.5		SM		Wet, medium dense, silty n with gravel, gray, no solver (25-60-15).	nedium to fine SAND nt or hydrocarbon od	dor
Drilling Co./Driller: Drilling Equipment Sampler Type: Hammer Type/Wei	: HS Da	ames and Moore	e Sc	ell/Auger Di ell Screene reen Slot S ter Pack Us	d Interval: Size:	2/8.25 inches 70-80 feet bgs 0.010 inches 2/12 Silica Sand	Notes/Comments:	
Total Boring Depth Total Well Depth: State Well ID No.:	80		feet bgs An	rface Seal: nular Seal: nument Ty	:	Concrete Bentonite Flush mount	Page:	2 of 6



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete

Surface Conditions: Concrete
Well Location N/S: Well Location E/W: Reviewed by: CCC
Date Completed: 12/17/12



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

0 feet bgs

Water Depth
After Completion --

		Da	te Completed	. 12/1	1/12				loot bgo
Depth (feet bgs) Interval Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic De	escription	Co	Well onstruction Detail
30 12 13 10	100	0.3	B113-30	SM-ML		Wet, medium dense, silty f gray, no solvent or hydroc Lacostrine sediments.	ine SAND with grarbon odor (40-5	ravel, 0-10).	
35 13 14 13 14 13	100	0.3		SM-ML		Wet, medium dense, silty f gravel, gray, no solvent or 50-5). Lacostrine sediment	hydrocarbon od-	ace or (45-	
40 9 111 14	100	0.0	B113-40	ML		Damp, medium dense, SIL no solvent or hydrocarbon	Γ with fine sand, odor (80-20-0).	gray,	
Drilling Co./Drille Drilling Equipme Sampler Type: Hammer Type/W Total Boring Dep	ent: H D eight: 3		re Sci	ell/Auger D ell Screene reen Slot S ter Pack U rface Seal	d Interval: Size: sed:	2/8.25 inches 70-80 feet bgs 0.010 inches 2/12 Silica Sand Concrete	Notes/Comme	ents:	-
Total Well Depth State Well ID No.	: 80		feet bgs An	nular Seal	:	Bentonite Flush mount	Page:	3 of	6
			1				i age.	וט כ	9



Surface Conditions: Concrete Well Location N/S: Well Location E/W: Reviewed by: CCC Date Completed: 12/17/12 BORING | B113 LOG | MW113

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth After Completion --

			te completeu.	12/1	7/12		rate: completion	1001 bg0
Depth (feet bgs) Interval Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction Detail
45 11 17 15	100	2.1		SP-SM		Wet, dense, medium to fine gravel, gray no solvent or h 85-5).	SAND with trace ydrocarbon odor (10-	
50 14 21 23	100	0.3	B113-50	SP-SM		Wet, dense, medium to fine no solvent or hydrocarbon o	SAND with silt, gray, odor (10-90-0).	
55 20 22 20 - 20	100	0.9		SP		Wet, dense, medium to fine gray, no solvent or hydroca	SAND with trace silt, rbon odor (5-95-0).	
Drilling Co./Drill Drilling Equipm Sampler Type: Hammer Type/V	ent: ⊦ □	Cascade HSA Dames and Moore	e Wel	II/Auger D II Screene een Slot S er Pack U	d Interval: Size:	2/8.25 inches 70-80 feet bgs 0.010 inches 2/12 Silica Sand	Notes/Comments:	
Total Boring De Total Well Depti	pth: 8 h: 8	0	feet bgs Sur feet bgs Anr	face Seal nular Seal nument Ty	: :	Concrete Bentonite Flush mount	Page: 4	of 6



BHS764

State Well ID No.:

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 | **B113** LOG | MW113

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

h At Ilina 20

feet bgs

Water Depth
After Completion --

feet bgs

5 of 6

Page:

				ite Completeu.	12/1/	//12				1001.090
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Litholo	ogic Des	scription	Well Construction Detail
65		0					No recovery. Driller			
70 -		0					No recovery.			
Drilling Co.			Cascade		II/Auger Di			ches	Notes/Comments:	
Drilling Equ			HSA		Il Screene		-	et bgs		
Sampler Ty			Dames and Mooi		een Slot S			ches		
Hammer Ty					er Pack Us		2/12 Silica Sand			
Total Boring				· ·	face Seal:		Concrete			
Total Well D	epth:			feet bgs Ani	nular Seal:		Bentonite			
0	D N.	-	0110764		T-		Fluck mount	ŀ	1	

Flush mount

Monument Type:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete

Surface Conditions: Concrete
Well Location N/S: Well Location E/W: Reviewed by: CCC
Date Completed: 12/17/12

BORING | **B113** LOG | MW113

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

0 feet bgs

Water Depth
After Completion --

		<u> </u>			
Depth (feet bgs) Interval Blow Count % Recovery	PID (ppmv)	Sample USC ID Clas		Lithologic Description	Well Construction Detail
75 0				No recovery. Driller reports sand. No recovery. Driller reports sand.	
80 - / \				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.	
85 —					
90 Drilling Co /Driller:	Cascade	Woll/Auges	Diamotore	2/8.25 inches Notes/Comments:	
Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: Total Well Depth: State Well ID No.:	Cascade HSA Dames and Moore 300 lbs 80 feet b 80 feet b BHS764	Well Scree Screen Slo Filter Pack bgs Surface Se	Used: eal: eal:	70-80 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite	S of 6
State Well ID NO	5,10704	wondinent	ı ype.	Page:	6 of 6



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/10/12 Surface Conditions: Gravel

145.4' S of SE corner OF 700 Dexter bldg. Well Location N/S: Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.

Reviewed by: CCC **Date Completed:** 12/10/12 BORING | **B114** LOG | MW114

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

30 feet bgs

Water Depth

				Da	ite Completed	: 12/10	J/12		Aiter Completion	17.00 leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
5		2 2 3	50	0.8		SP-SM (FILL)		Damp, loose, medium to fir and silt, brown, no solvent (10-75-15). Fill material.	ne SAND with gravel or hydrocarbon odor	
	-	./Drille		Cascade/Curtis		II/Auger D		2/8.25 inches	Notes/Comments:	
		uipmer		HSA		II Screene		ū		
Samp		ype: ype/We		Dames and Moor 300		reen Slot S er Pack Us		0.010 inches 2/12 Silica Sand		
		ype/we ig Dept		45.5		rface Seal:		Concrete		
		Depth:		45	· ·	nular Seal:		Bentonite		
		ID No.:		BHS768	•	nument Ty		Flush mount	Page:	1 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 | **B114** LOG | MW114

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

30 feet bgs

Water Depth

				ра	te Complete	a: 12/10	0/12		Aitei Compie	17.031	eet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription		Well onstruction Detail
15		50/5"	100	0.0	B114-15	SM		Dry, very dense, silty fine S brown, no solvent or hydro 10).	AND with grave carbon odor (25	el, light 1-65-	
20		50/6"	100	0.0		SM		Dry, very dense, silty fine S brown, no solvent or hydro 10).	AND with grave carbon odor (25	el, light i-65-	
25		50/6"	100	0.8	B114-25	SM		Dry, very dense, silty fine S no solvent or hydrocarbon	AND with grave odor (35-55-10).	l, gray,	
Drillin Samp	g Eq ler T	o./Drille uipmer ype: ype/We	nt:	Cascade/Curtis HSA Dames and Moor	e S	/ell/Auger D /ell Screene creen Slot S ilter Pack Us	d Interval: Size:	2/8.25 inches 35 to 45 feet bgs 0.010 inches 2/12 Silica Sand	Notes/Comme	ents:	
Total '	Borii Well	ng Dept Depth: ID No.:	ih: 4		feet bgs A	urface Seal: nnular Seal: lonument Ty	:	Concrete Bentonite Flush mount	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 | **B114** LOG | MW114

Site Address: 700 Dexter Avenue North
Seattle, Washington

ater Denth At

Water Depth At
Time of Drilling

30 feet bgs

Water Depth

					·· · · · · · · · · · · · · · · · · · ·				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
		50/6"	100	0.2		SP-SM		Wet, very dense, medium to fine SAND with si and gravel, gray, no solvent or hydrocarbon o (10-80-10).	It dor
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 si light gray, no solvent or hydrocarbon odor (15 85-0).	ilt,
- - 45		50/2"	100	0.2		SM-ML		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon od (40-45-15).	or
	ng Co	./Drille	r: C	ascade/Curtis	W	ell/Auger D	iameter:	2/8.25 inches Notes/Comments	s:
	_	uipmer		SA		ell Screene		110100	.
Samp	ler T	ype:	D	ames and Moor		reen Slot S	-	0.010 inches	
		ype/We	-		I	ter Pack U		2/12 Silica Sand	
1		ng Dept Depth:			٠ ا	ırface Seal ınular Seal		Concrete Bentonite	
1		Depth: ID No.:		, HS768	9	onument Ty			3 of 4
							,ı ·	Page:	3 UI 4



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/10/12 Surface Conditions: Gravel

145.4' S of SE corner OF 700 Dexter bldg. Well Location N/S: Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.

Reviewed by: CCC **Date Completed:** 12/10/12



Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

					<u>.</u>				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/3"	100	1.3	B114-45	SM-ML		Damp, very dense, silty SAND with gravel,	
								cohesive, gray, no solvent or hydrocarbon odor (40-45-15).	[]
-								(40-43-13).	
-								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.	
50 —									
-									
_									
_									
_									
55 —									
_									
_									
-									
-									
60 Drillin	na Cr	./Drille	r. (<u> </u>	 Well/Auger D	iameter:	2/8.25 inches Notes/Comments:	
	_	uipmer		HSA		Well/Auger D Well Screene			
Samp	ler T	уре:	[Dames and Moor		Screen Slot S		0.010 inches	
		ype/We				Filter Pack U		2/12 Silica Sand	
		ng Dept Depth:			٠ ١	Surface Seal: Annular Seal		Concrete Bentonite	
		ID No.:		3HS768	٠ ا	Monument Ty			of 4
L								9	



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 | **B115** LOG | MW115

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth
After Completion --

									<u> </u>	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
5		3 7 7	80	1.4	B115-10	SM (FILL)		Concrete 1.5 feet thick at s Boring cleared with a vactor feet below ground surface. Damp, medium dense, silty brown, no solvent or hydro 15) (FILL).	or truck to a depth of 9	
Drillin Samp Hamn Total Total	ig Eq ler Ty ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	ight:	46	e lbs feet bgs feet bgs	Well/Auger Di Well Screene Screen Slot S Filter Pack Us Surface Seal: Annular Seal: Monument Ty	d Interval: Size: sed:	2/8.25 inches 35-45 feet bgs 0.010 inches 2/12 silica sand Concrete Bentonite Flush mount	Notes/Comments:	of 4



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/13/12 Surface Conditions: Concrete

25.6' N of SE corner of building on 9th and Roy 18.6' E of SE corner of building on 9th and Roy

Reviewed by: CCC **Date Completed:** 12/13/12

Well Location E/W:

BORING | B115 LOG | MW115

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

				Du	te Complete	u. 12/13	J/ 1 Z			1001 2ge
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic D	escription	Well Construction Detail
15 \ - - -	\bigvee	15 15 15	60	0.8	B115-15	SM (FILL)		Moist, medium dense, silty brown, no solvent or hydro 15) (FILL).	y SAND with gravel, ocarbon odor (30-55-	
20 - \	\bigvee	7 5 3	100	0.8		SP-SM (FILL)		Wet, loose, medium to fine gravel, gray, no solvent or 70-15) (FILL).	e SAND with silt and hydrocarbon odor (15-	
25 — \	\bigvee	5 5 6	100	0.2	B115-25	SM (FILL)		Wet, loose, silty SAND wit solvent or hydrocarbon oc	h gravel, gray, no lor (25-65-10) (FILL).	
Drilling Drilling Sample Hamme	g Equ er Ty	ıipmen pe:	it: H D	ascade/Curtis SA ames and Moore	e W	/ell/Auger Di /ell Screene creen Slot S ilter Pack Us	d Interval: Size:	2/8.25 inches 35-45 feet bgs 0.010 inches 2/12 silica sand	Notes/Comments:	
Total B	Borin	g Dept		3	feet bgs S	urface Seal: nnular Seal:		Concrete Bentonite		
State V				HS766		onument Ty		Flush mount	Page:	2 of 4



 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 | **B115** LOG | MW115

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth

After Completion --

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, of solvent or hydrocarbon odor (40-60-0)		
_		7 9 7	100	0.2		ML		Wet, medium dense, SILT with fine sa solvent or hydrocarbon odor (80-20-0) Lacostrine deposits.	nd, gray, no	
35 —		3 3 9	100	0.8	B115-35	МН		Wet, medium dense, SILT with fine sa gray, no solvent or hydrocarbon odor Lacostrine deposits.	nd, plastic, (80-20-0).	
-		4 4 10	100	0.2		МН		Wet, medium dense, SILT with fine sa trace gravel, plastic, gray, no solvent hydrocarbon odor (80-15-5). Lacostrin	or	
40 —		12 13 15	80	0.8		SM		Wet, medium dense, silty fine SAND, solvent or hydrocarbon odor (40-60-0)	gray, no l.	
_		12 13 15	100	0.8		SP-SM		Wet, medium dense, medium to fine S silt, dark gray, no solvent or hydrocar (10-90-0).	AND with bon odor	
45 Drillin	ıg Co	o./Drille		ascade/Curtis		ell/Auger D			omments:	
Drillin Samp		uipmer ype:		SA ames and Moor		ell Screene reen Slot S		35-45 feet bgs 0.010 inches		
		ype/We ng Dept	-			ter Pack Us		2/12 silica sand Concrete		
Total	Well	Depth:	4	5	feet bgs An	nular Seal	:	Bentonite		
State	well	ID No.:	В	HS766	Mo	nument Ty	/pe:	Flush mount Page:		3 of 4



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/13/12 Surface Conditions: Concrete

25.6' N of SE corner of building on 9th and Roy Well Location N/S: 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 | **B115** LOG | MW115

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description		Well Construction Detail
45	X	23 50/6"	100	0.8	B115-45	SP-SM		Wet, very dense, medium to fine SAND dark gray, no solvent or hydrocarbon o 90-0).	with silt, dor (10-	
-								Boring terminated at 46 feet bgs. Two- diameter well installed to a depth of 45 screened from 35 to 45 feet bgs, and fir with a flush-mounted monument and co seal. Completed as monitoring well MV	feet bgs, nished oncrete	
50 —										
_										
_										
-										
55 —										
_										
_										
_										
60 Drilli r	ng Co	o./Drille	r: (Cascade/Curtis	 v	Vell/Auger D	iameter:	2/8.25 inches Notes/Cor	nments:	
		uipmer		HSA	I	Well Screene		35-45 feet bgs		
Samp				Dames and Moor		Screen Slot S		0.010 inches		
		ype/We				ilter Pack U		2/12 silica sand		
		ng Dept			9	Surface Seal:		Concrete		
		Depth: ID No.:		15 3HS766	٠ ا	Annular Seal: Monument Ty		Bentonite Flush mount Page:	4	
State	***	ייטאו קיי		5.10700		nonunient 1)	,he.	Page:	4	of 4



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 retaurant 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 | B116 LOG | MW116

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

				Da	te Complete	ed: 12/7/	/12		After Compl	etion	feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription		Well Construction Detail
0		2 1 1	100	0.5		SM (FILL)		Borehole cleared to a depth vactor truck. Damp, very loose, silty SAN light brown, no solvent or h 55-5).	n of 9 feet bgs w		
Drillir Samp	ng Eq oler T		it: H	Cascade/Curtis HSA Dames and Moor	re S	/ell/Auger D /ell Screene creen Slot S	d Interval: Size:	0.010 inches	Notes/Commo	ents:	
Total Total	Borir Well	ype/We ng Dept Depth:	h: 4	16.5 15	feet bgs seet bgs A	ilter Pack U urface Seal innular Seal	: :	2/12 Silica Sand Concrete Bentonite			
State	well	ID No.:	t	3HS769	1	Ionument Ty	ype:	Flush mount	Page:	1 c	of 4



 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 retaurant 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 | B116 LOG | MW116

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

1				•						
	Interval Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic De	scription		Well onstruction Detail
15	1 1	100	0.0	B116-15	SM (FILL)		Wet, very loose, silty SAND brown, no solvent or hydro 10) (FILL).	with gravel, ligl carbon odor (35	nt -55-	\$\tag{\text{7}}
20	4 3 4	100	0.5		SP-SM (FILL)		Wet, loose, medium to fine gravel, dark gray, no solven odor (10-80-10) (FILL).	SAND with silt a t or hydrocarbo	and on	
25	2 4 3	100	1.1	B116-25	SP-SM (FILL)		Wet, loose, medium to fine trace gravel, dark gray, no shydrocarbon odor (15-80-5)	olvent or	and	
Drilling	Co./Drille Equipmer		 Cascade/Curtis HSA		Well/Auger D Well Screene		2/8.25 inches : 35-45 feet bgs	Notes/Comme	nts:	
Sample			Dames and Moor		Screen Slot S		0.010 inches			
1	er Type/We				Filter Pack U	-	2/12 Silica Sand			
	oring Dept	_			Surface Seal:		Concrete			
	/ell Depth:				Annular Seal:	:	Bentonite			
State W	Vell ID No.:	: E	3HS769	ı	Monument Ty	/pe:	Flush mount	Page:	2 of	4
										_



Surface Conditions: Concrete 18' E of SE corner of retaurant on 9th and Roy Well Location N/S: Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy

Reviewed by: CCC **Date Completed:** 12/7/12 BORING | B116 LOG | MW116

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

				Da	te Completed	. 12/1/	12	7.110. 00.11.	1001.090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30 -	X	12 14 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).	
-	/\					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 (9 20-0).	80-
35 —		12 22 23	100	0.5	B116-35	ML		Moist, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (20-0).	80-
-		30 50/6"	100	1.1		ML		Wet, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (920-0).	80-
40		17 50/6"	100	0.5		ML		Wet, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (20-0).	80-
45		17 50/6"	60	1.1		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
	a Cr	./Drille	r: (L Cascade/Curtis	We	∐ II/Auger D	iameter:	2/8.25 inches Notes/Comments:	
	_	uipmer		ISA		II Screene			•
Samp			_	Dames and Moor		reen Slot S	_	0.010 inches	
		ype/We	-			er Pack U		2/12 Silica Sand Concrete	
		ng Dept Depth:				rtace Seal nular Seal		Concrete Bentonite	
		ID No.:		BHS769	٠ ١	nument Ty		Flush mount Page:	3 of 4



 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 retaurant 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 | B116 LOG | MW116

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Graphic	Lithologic Description Cons	Vell struction etail
45		17 12 14	100		B116-45	МН			Wet, medium dense, SILT with fine sand, plastic, dark gray, no solvent or hydrocarbon odor (90-10-0).	
-									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.	
50 —										
_										
-										
-										
55 —										
_										
-										
-										
Drillir Samp Hamr Total Total	ig Eq ler Ty ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: H D sight: 3 th: 4	6.5	re Sollbs Fi feet bgs Au	dell/Auger D dell Screene creen Slot S lter Pack Us urface Seals nnular Seals	d Ir Size Sed	nterv : :	2/8.25 inches 35-45 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite Flush mount Page: Notes/Comments: Notes/Comments:	



BORING | **B117** LOG | MW117

Site Address: 700 Dexter Avenue North

Seattle, WA

96' south of power pole at SE corner of the intersection of Roy and Dexter Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter

Water Depth At

12.6' west of power pole at SE corner of the intersection of Roy and Dexter

Time of Drilling

Asphalt

Well Location E/W:

feet bgs

feet bgs

Reviewed by: CCC **Water Depth** After Completion **Date Completed:** 02/04/13

		-			· ·				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic Description	Well Construction
<u>ق</u> ِ ۵		Blo	Be				שַֿ		Detail
0								Asphalt 6" thick.	
								Boring cleared with a vactor truck to a depti below ground surface (bgs).	h of 8'
-	-							below ground surface (bgs).	
-									
_									
_									
5-									
_									
_									
-									
-									
10 —	\ /	50/4"	10	0.0	B117-10	SM		Damp, very dense, silty SAND with gravel, li brown, no solvent or hydrocarbon odor (30-	ight
_	$ \times $							brown, no solvent or hydrocarbon odor (30- 15).	·55-
	$/\setminus$								
_									
_									
-	_								
15 Drillin	na Co	o./Drille	r: (Co /Curtis	Well/Auger D	iameter:	2/8.25 inches Notes/Comme	nts:
Drillin	ng Eq	uipmer	nt: ⊦	HSA LAR		Well Screene	d Interval:	40 to 55 feet bgs	
Samp		ype: ype/We		Split-spoon 40		Screen Slot S Filter Pack U		0.010 inches #2/12 Sand	
Total	Borir	ng Dept	th: 5	55.5	feet bgs	Surface Seal:		Concrete	
				55 BHS 885	- 1	Annular Seal		Bentonite Chips Flush mount	
State	Total Well Depth: 55 State Well ID No.: BHS		DI 10 000		Monument Ty	ype:	Flush mount Page:	1 of 4	



BORING | **B117** LOG | MW117

Site Address: 700 Dexter Avenue North

Seattle, WA

96' south of power pole at SE corner of the intersection of Roy and Dexter Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter

Water Depth At
12.6' west of power pole at SE corner of the intersection of Roy and Dexter

Time of Drilling

Asphalt

Well Location E/W:

feet bgs

Reviewed by: CCC **Date Completed:** 02/04/13

Water Depth After Completion

Solution Solution					1					l +⊒	=	
SP-SM Damp, very dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (25-65-10). Damp, very dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (15-75-10). SP-SM Damp, very dense, silty SAND with gravel.	Well Constructi Detail	Cons		Lithologic Description	Graphic			PID (ppmv)	% Recovery	Blow Coun	Interva	Depth (feet bgs)
Damp, very dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (15-75-10). SP-SM Damp, very dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (15-75-10). Damp, very dense, silty SAND with gravel,			l, light 25-65-	rown, no solvent or hydrocarbon odor (25-65		SM	B117-15	0.0	33	50/5"		15 - -
SM Damp, very dense, silty SAND with gravel,		lt	with silt	nd gravel, light brown, no solvent or		SP-SM	B117-20	0.0	33	50/5"		20
		n	el, rocarbon	ohesive, light brown, no solvent or hydrocarl		SM	B117-25	0.0	30	50/5"		-
Drilling Co./Driller:Cascade Drilling Co./CurtisWell/Auger Diameter:2/8.25inchesDrilling Equipment:HSA LARWell Screened Interval:40 to 55feet bgsSampler Type:Split-spoonScreen Slot Size:0.010inchesHammer Type/Weight:140lbsFilter Pack Used:#2/12 SandTotal Boring Depth:55.5feet bgsSurface Seal:ConcreteTotal Well Depth:55feet bgsAnnular Seal:Bentonite Chips	of 4	2 of 4		40 to 55 feet bgs 0.010 inches #2/12 Sand Concrete Bentonite Chips	d Interval: Size: sed: :	ell Screene reen Slot S ter Pack U ırface Seal ınular Seal	lbs Feet bgs Sefeet bgs A	ISA LAR Split-spoon 40 5.5	nt: H S eight: 14 th: 55	uipmei ype: ype/We ng Dep Depth:	ng Eq oler Ty ner T Borir Well	Drillin Drillin Samp Hamn Total Total



BORING | **B117** LOG | MW117

Site Address: 700 Dexter Avenue North

Seattle, WA

96' south of power pole at SE corner of the intersection of Roy and Dexter Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter

Water Depth At
12.6' west of power pole at SE corner of the intersection of Roy and Dexter

Time of Drilling

Asphalt

Well Location E/W:

feet bgs

Reviewed by: CCC **Date Completed:** 02/04/13

Water Depth After Completion

				ра	te Complete	ea: 02/04	4/13		Aiter Comple	illon 166	t bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class		Lithologic De	escription	Cons	Vell struction etail
30		50/5"	30	0.0	B117-30	SM		Wet, very dense, silty SANI brown, no solvent or hydro 15).	O with gravel, lig carbon odor (25	ht -60-	
35 —		50/5"	30	0.0	B117-35	SM		Moist, very dense, silty SAI no solvent or hydrocabon o	ND with gravel, odor (30-60-10).	gray,	
40 —		50/6"	100	0.0	B117-40	SP-SM		Wet, very dense, medium to and gravel, gray, no solven (10-80-10).	o fine SAND with t or hydrocarbo	n silt n odor	
Drillin Samp Hamn	g Eq ler T ner T	o./Drille uipmer ype: ype/We	nt: H S e ight: 1		lbs F	Vell/Auger D Vell Screene Screen Slot S Silter Pack Us	d Interval: Size: sed:	2/8.25 inches 40 to 55 feet bgs 0.010 inches #2/12 Sand Concrete	Notes/Comme	ents:	
Total	Well	Depth: ID No.:	5		feet bgs A	nnular Seal Ionument Ty		Bentonite Chips Flush mount	Page:	3 of 4	



Reviewed by:

Date Completed:

BORING B117 LOG | MW117

Site Address: 700 Dexter Avenue North

Seattle, WA

Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter

Asphalt

CCC

02/04/13

Well Location E/W:

12.6' west of power pole at SE corner of the intersection of Roy and Dexter

Water Depth At Time of Drilling Water Depth After Completion

feet bgs feet bgs

Depth		Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID		USCS Class	Graphic	Lithologic Description	Well Construction Detail
50			50/6"	30	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). Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
55		X	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). 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	
Dril Sar	lling lling nple	Equ r Ty	./Driller uipmen /pe: /pe/We	nt: l	Cascade Drilling HSA LAR Split-spoon	Co./Curtis	Well S	Auger Di Screened en Slot S Pack Us	d Interval: ize:	feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as moniotring well MW117. 2/8.25 inches 40 to 55 feet bgs 0.010 inches #2/12 Sand	
Tot Tot	al Bo al Wo	orin ell [g Dept Depth: D No.:	h: 5	55.5	feet bgs feet bgs	Surfa Annu	ce Seal: lar Seal: iment Ty		Concrete Bentonite Chips	of 4



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 comer of intersection with Dexter Ave N

Reviewed by: CCC **Date Completed:** 03/21/13



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

20 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic Description	Well Construction Detail
0		10 15 25 32 50/6	100	0.1	B118-10	SM		Moist, dense, silty fine SAND with medium-large gravel, brown, no solvent or hydrocarbon odor (30-55-15). Moist, very dense, silty fine SAND with gravel, increasing silt with depth, brown, no solvent or hydrocarbon odor (35-55-10).	
		o./Drille uipmer		Cascade Drilling/ HSA	I	Well/Auger Di Well Screene			
Samp	-	-		D+M		Screen Slot S		0.010 inches	
		ype/We				Filter Pack Us		2/12 Sand	
		ng Dept				Surface Seal:		Cement	
		Depth:			I	Annular Seal:		Bentonite	
		ID No.:		BIC 079	- 1	Monument Ty			1 -5 1
State	***	ואו סו					,he.	Page:	1 of 4



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 | B118 LOG | 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
- - -		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 —	X	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).	
Drillin Samp	g Eq ler T	o./Drille uipmer ype: ype/We	nt: H D	cascade Drilling/ ISA I+M 00	We So	ell/Auger De ell Screene ereen Slot S ter Pack Us	d Interval: Size:	2 inches 40-50 feet bgs 0.010 inches 2/12 Sand	
Total Total	Borii Well	ng Dept Depth: ID No.:	t h: 55	5.5	feet bgs Su feet bgs An	irface Seal: inular Seal: onument Ty	:	Cement Bentonite	2 of 4



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 comer of intersection with Dexter Ave N

Reviewed by: CCC
Date Completed: 03/21/13



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

e0 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Description		Well Construction Detail
30		50/6	125	3.0	B118-30	SM		Moist to wet, very dense, silty fine to m SAND with lenses of cleaner medium on no solvent or hydrocarbon odor (25-75)	sand, gray,	
35 —		50/6	150	2.4		SM		Wet, very dense, silty fine to medium \$ trace fine gravel, gray, no solvent or h odor (20-75-5).	ydrocarbon	
40 —		50/6	150		B118-40	SM SM-ML		Wet, very dense, silty fine to medium Strace fine gravel, gray, no solvent or hodor (20-75-5). Moist, very dense, silty fine SAND, grasolvent or hydrocarbon odor (45-55-0)	ydrocarbon y, no	
Drillin Drillin Samp Hamn	Drilling Co. Drilling Equ Sampler Ty Hammer Ty Total Borin		nt: H D eight: 30		lbs I	Well/Auger D Well Screene Screen Slot S Filter Pack Us Surface Seal:	d Interval: Size: sed:	2 inches 40-50 feet bgs 0.010 inches 2/12 Sand Cement	mments:	
Total	Well	Depth: ID No.:	50		feet bgs	Annular Seal Monument Ty		Bentonite Flush mount Page:	3	of 4



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



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

At na 2

feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/5	125	1.2	B118-50	SM		Moist to wet, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (35-65-0). Lens of silty SAND present within sample (30-70-0). Moist, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (360-5).	
1	ıg Eq	50/5 D./Drille uipmer ype:	nt: H	ascade Drilling/ SA +M	We	SM oll/Auger D oll Screene reen Slot S	d Interval:	Moist, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (3 60-5). 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. 2 inches 40-50 feet bgs 0.010 inches	
Hamn Total Total	ner T Borii Well	ype/We ng Dept Depth: ID No.:	t h: 55	5.5	feet bgs Su feet bgs An	ter Pack Us rface Seal: nular Seal: nument Ty	: :	2/12 Sand Cement Bentonite Flush mount Page:	4 of 4



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:

Reviewed by: CCC **Date Completed:** 03/21/13

BORING | B119 LOG | MW119

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

0 feet bgs

Water Depth
After Completion

L										
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
5		20 18 20	100	0.9	B119-10	SM (FILL) ML (FILL)		Moist, dense, silty, gravelly SAND, brown, no solvent of (15-70-15). Moist to wet, loose, gravell SAND with some coarse sa solvent or hydrocarbon od Moist, soft, fine sandy SILT brown, black staining, woo hydrocarbon odor (60-30-1).	y, silty, fine to medium ind, gray-brown, no or (15-65-20). with gravel, dark d debris, no solvent or	
Drillin		./Drille		ascade Drilling/		Vell/Auger D		2 inches	Notes/Comments:	
Drillin Samp		uipmer	-	SA +M	I	Vell Screene Screen Slot S		35-45 feet bgs 0.010 inches		
		ype: ype/We				ilter Pack Us		2/12 Sand		
		ng Dept				urface Seal:		Cement		
		Depth:	4		-	nnular Seal:		Bentonite		
		ID No.:	В	IC 080		Ionument Ty	pe:	Flush-mount	Page: 1	of 4
							-		i age.	J1 1



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

03/21/13

Well Location E/W:

Date Completed:

Reviewed by: CCC

BORING | B119 LOG | MW119

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

0 feet bgs

Water Depth
After Completion

	_	=								
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
		16 29 33	100	0.9		SM-ML		Wet, very dense, silty fine s gravel, blue-gray, no solve odor (45-50-5).	SAND with trace nt or hydrocarbon	
20 —		10 7 10	30	0.9	B119-20	SM		Wet, medium dense, silty fi wood debris, glass shards, hydrocarbon odor (40-60-0	gray, no solvent	es, or
25 —		10 10 10	100	0.7		SM ML		Wet, medium dense, silty fi wood debris, glass shards, solvent or hydrocarbon od Moist, stiff, SILT with fine s solvent or hydrocarbon od	dark brown, no or (35-50-15). and, blue-gray, no	
30 Drillin	on Co	o./Drille	r. (Cascade Drilling/	lamas W	/ell/Auger Di	iameter:	2 inches	Notes/Commen	te:
	-	uipmer		ISA	I	/ell/Auger b				
Samp				D+M	I	creen Slot S		0.010 inches		
		ype/We	-			ilter Pack Us		2/12 Sand		
		ng Dept			٠ ا	urface Seal:		Cement		
		Depth: ID No.:		5 BIC 080	9	nnular Seal: Ionument Ty		Bentonite Flush-mount	D	0 -4 4
State	MAGII	יטוו טו.:		,, o 000	IVI	onument 1)	ηc.	i iusii iiiuuiit	Page:	2 of 4



BIC 080

State Well ID No.:

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 | **B119** LOG | MW119

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

10 feet bgs

3 of 4

Page:

Water Depth
After Completion

feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID		USCS Class	Graphic	Lith	nologic De	scription	Well Construction Detail
30 -		30 50/6	150	0.1	B119-30		SP-SM		Moist, very dens solvent or hydro	se, fine SAN ocarbon odo	D with silt, gray, no r (15-85-0).	
35 —		13 15 15	100	0.9			SP-SM		Moist to wet, me gray, no solvent	edium dense or hydroca	e, fine SAND with silt, rbon odor (15-85-0).	
40		13 15 15	100	0.9	B119-40		SP-SM		Wet, medium de brown, no solve	nse, fine SA nt or hydrod	AND with some silt, carbon odor (10-90-0).	
Drilli	_	o./Drille		Cascade Drilling	James			iameter:	2	inches	Notes/Comments:	
		uipmer	-	HSA D. M.				d Interval:		feet bgs		
Samp				D+M	lha		en Slot S		0.010	inches		
		ype/We ng Dept		300 46	lbs feet bgs		r Pack Us ace Seal:		2/12 Sand Cement			
		Depth:			feet bgs		ılar Seal:		Bentonite			
liotai	weil	ъеріп:		10	reer ngs	Annu	ııaı sedi	•	Denionile			

Flush-mount

Monument Type:



BIC 080

State Well ID No.:

 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 | **B119** LOG | MW119

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

Water Depth
After Completion

At na 10

10

0 feet bgs

4 of 4

Page:

feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class		Lithologic Description	Well Construction Detail
45	X	28 50/6	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 — - -									
Drillin Samp Hamn Total	ig Eq ler T ner T Borii	o./Drille juipmer type: type/We ng Depth:	nt: I leight: C th: 4	Cascade Drilling HSA D+M 300 46	lbs Feet bgs S	Well/Auger D Well Screene Screen Slot S Filter Pack U Gurface Seal	ed Interval: Size: sed: :	2 inches 35-45 feet bgs 0.010 inches 2/12 Sand Cement Bentonite	

Flush-mount

Monument Type:



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 | **B120** LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

Detail Concrete 10"-thick. Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-58-15).							12/1			·	
Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-55-15). 10		Interval	Blow Count	% Recovery	PID (ppmv)			Graphic	Lithologic Des	cription	Construction
Drilling Equipment: LAR HSA Sampler Type: D+M Hammer Type/Weight: 140 Total Boring Depth: 50.5 Total Well Depth: 50 feet bgs Feet bgs Filter Pack Used: 2/12 Sand Surface Seal: Concrete Annular Seal: Bentonite	5—		15 17 10 11 15	100	0.0		SM		Damp, loose, silty SAND with hydrocarbon odor (30-55-15). Damp, loose, silty SAND with gray spots, no hydrocarbon o	gravel, brown with odor (35-55-10).	
Talgie wei in No. Did UTO I Monument (voe: Flustrillout) Dage 4 of /	Drillin Samp Hamn Total Total	ig Eq ler T ner T Borii Well	uipmer ype: ype/We ng Dept Depth:	nt: LA D- sight: 14 th: 50	AR HSA +M IO .5	Slbs Feet bgs A	ell Screene creen Slot S ilter Pack Us urface Seal nnular Seal	d Interval: Size: sed: :	40-50 feet bgs 0.010 inches 2/12 Sand Concrete Bentonite		of 4



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 | B120 LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15

5 feet bgs

Water Depth
After Completion --

						12,10	5, 10		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le 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.	
		o./Drille		Cascade Drilling/		Well/Auger D		2" / 8.25" inches Notes/Comments:	
Samp Hamn Total Total	ler T ner T Borir Well	uipmen ype: ype/We ng Dept Depth: ID No.:	[ight: 1 h: 5	50.5	lbs I feet bgs I feet bgs	Well Screene Screen Slot S Filter Pack Us Surface Seal: Annular Seal: Monument Ty	Size: sed:	0.010 inches 2/12 Sand Concrete Bentonite	2 of 4



Project: 700 Dexter 0797-001-02 Project Number: Logged by: RAH

Date Started: 12/16/13 Surface Conditions: Concrete

38' N of NW corner of city light building Well Location N/S: Well Location E/W: 16.2' E of NW corner of city light building

Reviewed by: CCC **Date Completed:** 12/16/13 BORING | B120 LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

Delta Delt	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). GP Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70). SP Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70).	
wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-85-5). Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70). SP Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70). Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0). No recovery. Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-90-0). No recovery. Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-90-0). No recovery.	Wet, very dense, fine to medium SAND with trace silty and gravel, no hydrocarbon odor (10-85-5). Wet, very dense, fine to medium SAND with trace silty and gravel, no hydrocarbon odor (10-85-5). 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,	Well Construction Detail
SP Wet, very dense, fine GRAVEL with sand and slit, brown, no hydrocarbon odor (10-20-70). Wet, very dense, medium to fine SAND with slit, brown, no hydrocarbon odor (10-90-0). No recovery. Drilling Co./Driller: Cascade Drilling/ David Drilling Equipment: LAR HSA Sampler Type: D+M Hammer TypeWeight: 140 Ibs Total Boring Depth: 90.5 feet bgs Screen Slot Size: Concrete Surface Seal: Concrete Con	GP Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70). SP Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-28-70).	
brown, no hydrocarbon odor (10-90-0). No recovery. Drilling Co./Driller: Cascade Drilling/ David Drilling Equipment: LAR HSA Sampler Type: U-M Sampler Typ	wet, very dense, medium to line SAND with silt, brown, no hydrocarbon odor (10-90-0).	
Drilling Equipment:LAR HSAWell Screened Interval:40-50feet bgsSampler Type:D+MScreen Slot Size:0.010inchesHammer Type/Weight:140lbsFilter Pack Used:2/12 SandTotal Boring Depth:50.5feet bgsSurface Seal:Concrete	No recovery.	
State Well ID No.: BID 015 Monument Type: Flush-mount Page: 3 of 4	Drilling Equipment: LAR HSA Well Screened Interval: 40-50 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 50.5 feet bgs Surface Seal: Concrete Total Well Depth: 50 feet bgs Annular Seal: Bentonite	



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 | B120 LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

					· · · · · · · · · · · · · · · · · · ·					
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 gray, no hydrocarbon odor with wood as 5).	h (60-35-	
50 —	X	50/6	33	0.0	B120-50	ML		Wet, very dense, SILT with fine sand and gray, no hydroarbon odor (60-35-5).	gravel,	<i>VIIII</i>
								Boring terminated at 50.5 feet below grosurface (bgs). Two-inch diameter well ins a depth of 50 feet bgs, screened from 40 feet bgs, and finished with a flush-mount monument and concrete seal. Completed monitoring well MW120.	stalled to to 50 ted	
- 60										
	rilling Co./Driller: Cascade Drilling/ David rilling Equipment: LAR HSA		I	II/Auger Di		2" / 8.25" inches 40-50 feet bas	ments:			
Samp		-		AR HSA)+M		II Screene reen Slot S		40-50 feet bgs 0.010 inches		
Hamn	ner T	ype/We	ight: 1	40	lbs Filt	er Pack Us	sed:	2/12 Sand		
		ng Dept			٠ ا	rface Seal:		Concrete		
		Depth: ID No.:			·	nular Seal: nument Tv		Bentonite Flush-mount	A	of /
Line	ate Well ID No.: BID 015		Monument Type:			Page:	4	of 4		



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 | B120 LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

					<u>·</u> _				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Description	Well Construction Detail
5		13 15 17	100	0.0	B120-10	SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-55-15). Damp, loose, silty SAND with gravel, brown with gray spots, no hydrocarbon odor (35-55-10).	
Drillin	ıg Eq	o./Drille uipmer	nt: LA	ascade Drilling/ AR HSA	,	Well/Auger Di Well Screene	d Interval:		
	ner T	ype/We	eight: 14		lbs I	Screen Slot S Filter Pack Us	sed:	0.010 inches 2/12 Sand	
		ng Dept Depth:			9	Surface Seal: Annular Seal:		Concrete Bentonite	
		Depth:		D 015	- 1	Annular Seal: Monument Ty			1 of 4
							• -	raye.	1 01 4



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 | B120 LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15

5 feet bgs

Water Depth
After Completion --

						12,10	5, 10		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le 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.	
		o./Drille		Cascade Drilling/		Well/Auger D		2" / 8.25" inches Notes/Comments:	
Samp Hamn Total Total	ler T ner T Borir Well	uipmen ype: ype/We ng Dept Depth: ID No.:	[ight: 1 h: 5	50.5	lbs I feet bgs I feet bgs	Well Screene Screen Slot S Filter Pack Us Surface Seal: Annular Seal: Monument Ty	Size: sed:	0.010 inches 2/12 Sand Concrete Bentonite	2 of 4



Date Started: 12/16/13 Surface Conditions: Concrete

38' N of NW corner of city light building Well Location N/S: Well Location E/W: 16.2' E of NW corner of city light building

Reviewed by: CCC **Date Completed:** 12/16/13 BORING | **B120** LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

				Da	te Completed	. 12/1	0/13	7.11.0.1 Completion 1001 290
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		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 SP		Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70). Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).
40 —		50/6	0					No recovery.
Drillin Drillin Samp Hamn Total	g Eq ler T ner T Borii Well	ype/We ng Dept Depth:	nt: [50.5 50	We Scilbs Filt feet bgs Ani	II/Auger D II Screene reen Slot S er Pack U rface Seal nular Seal	d Interval: Size: sed: :	0.010 inches 2/12 Sand Concrete Bentonite
State	well	ID No.:	E	3ID 015	Mo	nument Ty	ype:	Flush-mount Page: 3 of 4



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 | B120 LOG | MW120

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

15 feet bgs

Water Depth
After Completion --

					· · · · · · · · · · · · · · · · · · ·					
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 gray, no hydrocarbon odor with wood as 5).	h (60-35-	
50 —	X	50/6	33	0.0	B120-50	ML		Wet, very dense, SILT with fine sand and gray, no hydroarbon odor (60-35-5).	gravel,	<i>VIIII</i>
								Boring terminated at 50.5 feet below grosurface (bgs). Two-inch diameter well ins a depth of 50 feet bgs, screened from 40 feet bgs, and finished with a flush-mount monument and concrete seal. Completed monitoring well MW120.	stalled to to 50 ted	
- 60										
	rilling Co./Driller: Cascade Drilling/ David rilling Equipment: LAR HSA		I	II/Auger Di		2" / 8.25" inches 40-50 feet bas	ments:			
Samp		-		AR HSA)+M		II Screene reen Slot S		40-50 feet bgs 0.010 inches		
Hamn	ner T	ype/We	ight: 1	40	lbs Filt	er Pack Us	sed:	2/12 Sand		
		ng Dept			٠ ا	rface Seal:		Concrete		
		Depth: ID No.:			·	nular Seal: nument Tv		Bentonite Flush-mount	A	of /
Line	ate Well ID No.: BID 015		Monument Type:			Page:	4	of 4		



Date Started: 12/16/13 Surface Conditions: Concrete

128' S of NW corner of city light building Well Location N/S: 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 --

L						- 12/1	5/10		•	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	1	Well Construction Detail
-								Concrete cored prior to drilling. Concinches thick.	crete 4	
		8 16 20	100	0.0	B121-05	SM		Damp, medium dense, silty SAND with brown, (30-60-10) (FILL).	th gravel,	
15		6 7 8	100	0.0		SM		Damp, loose, silty SAND with gravel miscellaneous debris, black, no hydrodor (FILL).	and ocarbon	
Drillin Drillin Samp Hamn Total	g Eq ler T ner T Borii Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: L/ D- sight: 14 th: 26	3.5	We Sc Sc Fill feet bgs An	ell/Auger D ell Screene reen Slot S ter Pack U rface Seal nular Seal	d Interval: Size: sed: :	feet bgs 0.010 inches 2/12 Sand Cement Bentonite	comments:	
Jule					IVIC		,,,,,,	Flush-mount Page:		1 of 2



Date Started: 12/16/13 Surface Conditions: Concrete

128' S of NW corner of city light building Well Location N/S: Well Location E/W: 18' W of NW corner of city light building

Reviewed by: CCC **Date Completed:** 12/16/13

BORING **B121** LOG

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

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). Wet, dense, SILT with sand and gravel, gray, no	
25 —		1 1	100	0.0	B121-25	ML		hydrocarbon odor (possible lake sediments) (50-40-10). Moist, loose, SILT with fine sand and organics,	
- 30		3						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.	
Drillin Drillin Samp Hamn Total	Orilling Co./Driller: Cascade Drilling/ David Drilling Equipment: LAR HSA D+M Iammer Type/Weight: 140 lbs Total Boring Depth: 26.5 feet bgs State Well ID No.: BID 016			W Solbs Fifeet bgs Arfeet bgs Ar	rell/Auger Di rell Screene creen Slot S ilter Pack Us urface Seal: nnular Seal: onument Ty	d Interval: size: sed:	2" / 8.25" inches feet bgs 0.010 inches 2/12 Sand Cement Bentonite Flush-mount Inches feet bgs Inches Page:	2 of 2	



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 | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

					ie Completed	. 12/1			7 inter Completion	, leet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
5—								Concrete 8 inches thick. Cleared with vent truck???	?	
10 —		8 8 8	100	2.5	B122-10	ML		Damp, loose, SILT with san debris, dark gray to black, hydrocarbon odor (50-40-1	nd and gravel and brick moderate 0) (FILL).	
Drillin Drillin Samp Hamn Total	g Eq ler Ty ner Ty Borir Well	./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: LA D- ight: 14 h: 11	5	We Sc Sc Fill steet bgs Su Andrews Sc	ell/Auger D ell Screene reen Slot S ter Pack Us rface Seal: nular Seal:	d Interval: Size: sed:	2" / 8.25" inches 105-115 feet bgs 0.010 inches 2/12 Sand Cement Bentonite Flush-mount	Notes/Comments:	of 8



Date Started: 12/17/12 Surface Conditions: Concrete

35.8' N of NE corner of city light building Well Location N/S: Well Location E/W: 5' E of NE corner of city light building

Reviewed by: CCC **Date Completed:** 12/17/13 BORING | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

L				Da	te Completed	. 12/1	1/10			- Tool bgo
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Descripti	on	Well Construction Detail
15		5 6 8	100	4.0	B122-15	SM		Moist to wet, silty SAND with grave hydrocarbon odor (40-50-10).	el, gray, slight	
20		3 5 9	100	0.0	B122-20	SM		Wet, loose, silty SAND with gravel, hydrocarbon odor (40-50-10).	gray, no	
25 —		5 8 10	80	0.0	B122-25-2013 B122-25	1217 SP		Wet, loose, medium to fine SAND was gravel, gray, slight hydrocarbon or	vith silt and lor (10-85-5).	
Drillin Samp Hamm	g Eq ler T ner T	ype/We	nt: L/ D night: 14		We Sc lbs Filt	ell/Auger D ell Screene reen Slot S ter Pack U	d Interval: Size: sed:	105-115 feet bgs 0.010 inches 2/12 Sand	s/Comments:	
Total '	Well	ng Dept Depth: ID No.:	11		feet bgs An	rface Seal: nular Seal nument Ty	:	Cement Bentonite Flush-mount Page	e:	2 of 8



Date Started: 12/17/12 Surface Conditions: Concrete

35.8' N of NE corner of city light building Well Location N/S: Well Location E/W: 5' E of NE corner of city light building

Reviewed by: CCC **Date Completed:** 12/17/13 BORING | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

				Da	te Completed	. 12/1/	7/13		1001.090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30 -	\bigvee	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 B122-40-2013 B122-40	ML 1217 ML		Moist to wet, very dense, SILT with fine sand, gray, no hydrocarbon odor (55-45-0). Wet, very dense, SILT with fine sand, gray, no hydrocarbon odor (60-40-0).	
45	- - -								-
Drillin Samp Hamn Total	g Eq ler T ner T Borii	ype/We	nt: LA Da ight: 14 h: 11	5	We Sc Sc Filt feet bgs Su	ell/Auger D ell Screene reen Slot S ter Pack Us rface Seal:	d Interval: Size: sed:	0.010 inches 2/12 Sand Cement	
		Depth: ID No.:	11	5	•	nular Seal: nument Ty		Bentonite Flush-mount Page:	3 of 8



Date Started: 12/17/12 Surface Conditions: Concrete

35.8' N of NE corner of city light building Well Location N/S: Well Location E/W: 5' E of NE corner of city light building

Reviewed by: CCC **Date Completed:** 12/17/13 BORING | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

					_					
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 w gray, no hydrocarbon odor (10-90-0).	ith silt,	
50 —		50/6	100	0.0	B122-50	ML		Damp, very dense, SILT with fine sand ar gravel, cohesive, gray, no hydrocarbon o 30-5).	nd dor (65-	
- 55 — -		50/6	100	0.0		SM		Damp to moist, very dense, silty SAND w gravel, cohesive, gray, no hydrocarbon o 40-15). Sample is warm to the touch.	ith dor (45-	
Drillir Samp Hamr	ng Eq oler T ner T	o./Drille uipmer ype: ype/We ng Dept	nt: L/ D- night: 14		W So	ell/Auger D ell Screene creen Slot S lter Pack Us urface Seal:	d Interval: Size: sed:	2" / 8.25" inches 105-115 feet bgs 0.010 inches 2/12 Sand Cement	ments:	
Total	Well	Depth: ID No.:	11		feet bgs Ar	nnular Seal: onument Ty		Bentonite Flush-mount Page:	4	of 8



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 | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

Peptn At Drilling -- feet bgs

Water Depth
After Completion --

-- feet bgs

L					•				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
		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).	
Drillin		o./Drille uipmer		ascade Drilling/ AR HSA		ell/Auger D ell Screene		2" / 8.25" inches Notes/Comments: 105-115 feet bgs	
Samp				+M		reen Slot S		0.010 inches	
						iter Pack U		2/12 Sand	
,, ,						ırface Seal:		Cement	
		Depth:			9	nular Seal:		Bentonite	
		ID No.:			- 1	onument Ty		Flush-mount Page:	5 of 8
								raye.	J UI U



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 | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

Drilling --

feet bgs

Water Depth

After Completion -- feet bgs

				. Da	te Completeu.	12/1	1/13		1001.090
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	B122-85-20131	217 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).	
Drillin Samp Hamn Total Total	ng Eq oler T ner T Borii Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: L/ D eight: 14 th: 11	15	We Scribs Filt feet bgs Ani	II/Auger D II Screene reen Slot S er Pack U rface Seal nular Seal nument Ty	d Interval: Size: sed: :	0.010 inches 2/12 Sand Cement Bentonite	6 of 8



Date Started: 12/17/12 Surface Conditions: Concrete

35.8' N of NE corner of city light building Well Location N/S: Well Location E/W: 5' E of NE corner of city light building

Reviewed by: CCC **Date Completed:** 12/17/13 BORING | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	ole USCS Class	Graphic	Lithologic De	escription	(Well Construction Detail
90		50/6	100	0.0	B122-100	SP		Had to overdrill sampler. Wet, very dense, coarse to with gravel, gray, no hydrowith gravel, gray, no hydrowell without collecting soil	ler stuck in Auge ced to 115 and s	er,	
		./Drille uipmer		ascade Drilling/ AR HSA		Well/Auger D Well Screene		2" / 8.25" inches 105-115 feet bgs	Notes/Commer	nts:	
Samp				+M		Screen Slot S		0.010 inches			
Hamn	ner T	ype/We	ight: 1	40	lbs	Filter Pack U		2/12 Sand			
Total	Borir	ng Dept	h: 1		9	Surface Seals		Cement			
		Depth:		15	- 1	Annular Seal		Bentonite			
State	Well	ID No.:				Monument Ty	/pe:	Flush-mount	Page:	7 c	of 8



Date Started: 12/17/12 Surface Conditions: Concrete

35.8' N of NE corner of city light building Well Location N/S: Well Location E/W: 5' E of NE corner of city light building

Reviewed by: CCC Date Completed: 12/17/13 BORING | B122 LOG | MW122

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth After Completion --

					te Completed	. 12/1	,,,,,		7 ittor Completion	100t bg5
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic D	escription	Well Construction Detail
110 —								Heaving conditions. Sample sand locked. Boring advalued well without collecting soil	nced to 115 and set	
								Boring terminated at 115 fsurface (bgs). Two-inch di a depth of 115 feet bgs, sc 115 feet bgs, and finished monument and concrete s monitoring well MW122.	ameter well installed to reened from 105 to with a flush-mounted	
Drillin Drillin Samp Hamm Total I	g Equation E	./Driller uipmer /pe: ype/We ig Dept Depth: ID No.:	nt: L ight: 1 :h: 1	115	We Scool by Fill feet bgs Scool Archives	ell/Auger D ell Screene reen Slot S ter Pack U: rface Seal: nular Seal: nular Seal:	d Interval: Size: sed: :	2" / 8.25" inches 105-115 feet bgs 0.010 inches 2/12 Sand Cement Bentonite Flush-mount	Notes/Comments:	3 of 8



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 | B123 LOG | MW123

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

illina -- fo

feet bgs

Water Depth

After Completion --

										!
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	ole USCS Class	Graphic	Lithologic Description		Well Construction Detail
0		223	100	0.5	B123-10	ML		Concrete 10 inches thick. Boring vac cleared to 10' bgs Damp, loose, SILT with fine sand and gray, no hydrocarbon odor (60-35-5).	gravel,	
Drillir Samp	ng Eq oler T	o./Drille uipmer ype: ype/We	nt: H D	ascade Drilling/ SA +M 40		Well/Auger Di Well Screene Screen Slot S Filter Pack Us	d Interval: Size:	l l	omments:	
Total Total	Borir Well	ng Dept Depth: ID No.:	h: 80)	feet bgs feet bgs	Surface Seal: Annular Seal: Monument Ty		Cement Bentonite Flush-mount Page:	1	of 6
							• •	rage:		01 0



Date Started: 12/18/12 Surface Conditions: Concrete

49.5' S of northern-most point of building Well Location N/S: Well Location E/W: 14.2' E of E wall of building

Reviewed by: CCC **Date Completed:** 12/18/13 BORING | B123 LOG | MW123

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

					· · · · · · · · · · · · · · · · · · ·				
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).	
Drillir Samp Hamr Total Total	ng Eq oler T ner T Borii Well	o./Drille juipmer ype: ype/We ng Dept Depth: ID No.:	nt: H D eight: 14 th: 80)	We Sc Ibs Filt feet bgs An	ell/Auger Di ell Screene reen Slot S der Pack Us rface Seal: nular Seal: nument Ty	d Interval: Size: sed:	2" / 8.25" inches 70 to 80 feet bgs 0.010 inches 2/12 Sand Cement Bentonite Flush-mount Inches Page:	2 of 6



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 | B123 LOG | MW123

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

Depth (feet bgs)		_	% Recovery	PID (ppmv)	Sampi ID	le USC Clas		Graphic	Lithol	logic Des	scription		W Constr De	ruction
30		50/6	0						No recovery. Drilling on loose recovery. Through rock. Har cannot collect soil borin.		eads damaged, for the rest of the	e		
		/Driller: ipment		ascade Drilling/ SA		Well/Auge Well Scree				nches eet bgs	Notes/Commen	ts:		
	ıg ⊑qu oler Ty			+M		Screen Sl			-	nches				
Hamr	ner Ty	pe/Wei	ght: 14	40	lbs	Filter Pacl	k Use		2/12 Sand					
		g Depth			·	Surface S			Cement					
		epth:	80		- 1	Annular S			Bentonite					
State	Well I	D No.:	В	D 018		Monumen	t Typ	e:	Flush-mount		Page:	3	of 6	



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 | B123 LOG | MW123

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic Des	cription	Cons	Vell truction etail
- - -						SM		Cuttings indicate wet silty SA hydrocarbon odor.	ND, gray, no		
50 — - -						SM		Cuttings indicate wet silty SA hydrocarbon odor.	ND, gray, no		
55 —						SM		Cuttings indicate wet silty SA hydrocarbon odor.	ND, gray, no		
		./Drillei uipmen		ascade Drilling/ SA		Well/Auger D Well Screene			Notes/Commen	its:	
	oler Ty			+M	I	Screen Slot S		0.010 inches			
	-	ype/We			I	Filter Pack Us		2/12 Sand			
		ng Dept			9	Surface Seal:		Cement			
		Depth:	80		- 1	Annular Seal		Bentonite			
State	Well	ID No.:	В	ID 018		Monument Ty	/pe:	Flush-mount	Page:	4 of 6)



Date Started: 12/18/12 Surface Conditions: Concrete

49.5' S of northern-most point of building Well Location N/S:

Well Location E/W: 14.2' E of E wall of building Reviewed by: CCC

Date Completed: 12/18/13 BORING | B123 LOG | MW123

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Litl	hologic De	scription		Well Construction Detail
-						SM		Driller reports S	SAND from 7	0 to 80 feet bgs.		
65 —						SM						
70 —						SM						
	ıg Eqı	./Drillei uipmen	t: H	ascade Drilling/ SA +M	W	ell/Auger D ell Screene	d Interval:	2" / 8.25" 70 to 80 0.010	inches feet bgs inches	Notes/Commen	ts:	
Hamn Total Total	ner Ty Borin Well I	/pe/We ig Dept Depth:	ight: 14 h: 80 80	40)	lbs Fil feet bgs Su feet bgs Ar	ter Pack Us Irface Seal: Inular Seal:	sed:	2/12 Sand Cement Bentonite				
State	Well	ID No.:	В	D 018	M	onument Ty	/pe:	Flush-mount		Page:	5	of 6



Date Started: 12/18/12 Surface Conditions: Concrete

49.5' S of northern-most point of building Well Location N/S:

Well Location E/W: 14.2' E of E wall of building

Reviewed by: CCC **Date Completed:** 12/18/13 BORING B123 LOG | MW123

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
75						SM		Driller reports SAND from	70 to 80 feet bgs.	
								Boring terminated at 80 fee surface (bgs). Two-inch dia a depth of 80 feet bgs, screfeet bgs, and finished with monument and concrete screen monitoring well MW123.	ameter well installe eened from 70 to 8 a flush-mounted	0
85 —										
Drillin	ıg Eq	./Drillei uipmen	nt: H	ascade Drilling/	v	Vell/Auger Di	d Interval:	-	Notes/Commen	ts:
Total Total	ner Ty Borin Well	ype/We ng Dept Depth:	ight: 1 h: 8	0 0	lbs Feet bgs Seet bgs A	Screen Slot S Filter Pack Us Surface Seal: Annular Seal:	sed:	0.010 inches 2/12 Sand Cement Bentonite		
State	Well	ID No.:	В	ID 018	N	Monument Ty	/pe:	Flush-mount	Page:	6 of 6



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

			Da	ate Complete	ed: 12/19	9/13		Aπer Compi	letion teet	bgs
Depth (feet bgs)	Interval Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic D	Description	Const	ell ruction etail
5	10 11 10	90	0.0	B124-10	GP		Concrete 8 inches thick. Damp, loose, gravelly SA hydrocarbon odor (10-30-	ND with silt, brov 60).	vn, no	
Drilling Drilling	Equipm		Cascade Drilling/ HSA	V	Vell/Auger Di Vell Screene	d Interval:		Notes/Comm	ents:	
Sample		Malaula	D+M		Screen Slot S		0.010 inches			
Hamme Total Bo			140 120.5		Filter Pack Us Burface Seal:		2/12 Sand Cement			
Total W				- 1	Annular Seal:		Bentonite			
State W				9	Monument Ty		Flush-mount	Page:	1 of 0	
J.410 11	JD 14			"		,,,,,,		Page:	1 of 9	



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

1					•				
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 8	100	0.0	B124-20	ML		Moist, loose, SILT wiht 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).	
Drillin	_	./Drille uipmer		ascade Drilling/ SA		ell/Auger Di ell Screene		2" / 8.25" inches Notes/Comments: 110 to 120 feet bgs	
Samp	ler T	уре:	D	+M		reen Slot S		0.010 inches	
		ype/We				ter Pack Us		2/12 Sand	
		ng Dept Depth:			9	rface Seal: nular Seal:		Cement Bentonite	
		Deptii. ID No.:		-0	- 1	nument Ty		F	of 0
L							,,,,,	Page: 2	2 of 9



Date Started: 12/19/13 Surface Conditions: Concrete

8.5' N of NW corner of building Well Location N/S: Well Location E/W: 13' E of NW corner of building

Reviewed by: CCC **Date Completed:** 12/19/13 BORING | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

				Da	te Complete	a : 12/19	9/13		Aitei Completion -	- reet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Descrip	ition	Well Construction Detail
30 -		10 16 17	100	0.0	B124-30	SP		Damp, dense, medium to fine SA and silt, reddish brown, no hydro (10-80-10).	ND with gravel ocarbon odor	-
35 —		11 11 13	100 	0.0	B124-35	SM ML SP		Moist, loose, silty SAND with grand hydrocarbon odor (35-60-5). Damp, loose, SILT with fine sand hydrocarbon odor (55-45-0). Damp, loose, medium to fine SAN gravel, brown, no hydrocarbon o	, brown, no	-
40 —		20 23 26	100	0.0	B124-40	SM		Wet, dense, silty SAND with grav hydrocarbon odor (20-70-10).	el, brown, no	
- - 45										
Drillin Samp	ng Eq oler T	o./Drille uipmer ype: ype/We	nt: H	ascade Drilling/ SA +M 40	W Se	/ell/Auger D /ell Screene creen Slot S ilter Pack Us	d Interval: Size:	2" / 8.25" inches 110 to 120 feet bgs 0.010 inches 2/12 Sand	es/Comments:	
Total Total	Borii Well	ng Dept Depth: ID No.:	i h: 12	20.5	feet bgs Sefeet bgs A	urface Seal: nnular Seal: lonument Ty	: :	Cement Bentonite	ge: :	3 of 9



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Da	te Complete	d: 12/19	9/13	After Completion feet b		reet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic Description	C	Well onstruction Detail
45 - - -		50/4	100	0.0	B124-45_201 B124-45	³¹ ²¹⁹ 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 hydrocarbon odor (10-40-50).	y, no	
55 —		50/6	35	0.0	B124-55	SM		Wet, very dense, silty SAND with gravel, cohe gray, no hydrocarbon odor (45-40-15).	esive	
Drillin Drillin Sampl Hamm	g Eq ler T ner T	ype/We	nt: H D ight: 14		W So Ibs Fi	ell/Auger D ell Screene creen Slot S Iter Pack U	d Interval: Size: sed:	2" / 8.25" inches 110 to 120 feet bgs 0.010 inches 2/12 Sand Cement	ts:	
Total \			feet bgs feet bgs feet bgs		Surface Seal: Annular Seal: Monument Type:		Bentonite Flush-mount Page:	4 of	f 9	



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Da	te Completed	12/1	9/13		1001.090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic Description	Well Construction Detail
60		50/6	100	0.0	B124-60_2013 B124-60	31 ²¹⁹ 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).	
Drillin Drillin Samp Hamn Total	Drilling Co./Driller: Cascade Drilling/ Date of the Drilling Equipment: HSA Sampler Type: D+M Hammer Type/Weight: 140 lbs Total Boring Depth: 120.5 feet Total Well Depth: 120 feet					ell/Auger D ell Screene creen Slot S ter Pack U urface Seal	d Interval: Size: sed: :	2" / 8.25" inches 110 to 120 feet bgs 0.010 inches 2/12 Sand Cement Bentonite	1111111
		ID No.:				onument Ty			5 of 9



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Da	te Complete	e a: 12/19	9/13		- Aiter Completion	leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Desc	ription	Well Construction Detail
75		50/6	100	0.0	B124-75	ML		Damp, very dense, SILT with fi cohesive, no hydrocarbon odd	ine sand, bray, or (75-25-0).	
80		50/6	66	0.0	B124-80	ML		Damp, very dense, SILT with fi gray, no hydrocarbon odor (50	ine sand, cohesiv 0-50-0).	е,
85 —		50/6	66	0.0	B124-85	SM		Moist, very dense, silty SAND cohesive, gray, no hydrocarbo	with gravel, on odor (30-55-15)	
Drillin Drillin Samp Hamm	g Eq ler T ner T	ype/We	nt: H D ight: 14		S Ibs F	Vell/Auger Di Vell Screene Screen Slot S Silter Pack Us	d Interval: Size: sed:	110 to 120 feet bgs 0.010 inches 2/12 Sand	lotes/Comments:	
Total '	Total Boring Depth:			120.5 feet bgs Su 120 feet bgs An		surface Seal: Innular Seal: Ionument Ty	:	Cement Bentonite Flush-mount	Page:	6 of 9



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

			Da	te Complete	e a: 12/19	9/13	Alter Completion	leet bys
Depth (feet bgs) Interval	⊞	% 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	7 50/6	100	0.0	B124-95	ML		Damp, very dense, SILT with fine sand and trac gravel, gray, cohesive, no hydrocarbon odor (5 45-5).	ee 0-
100	7 50/6	100	0.0	B124-100	SP		Wet, very dense, medium to fine SAND with silt gray, no hydrocarbon odor (10-90-0).	t,
Drilling Control Drilling Education Sampler 1	quipmer Гуре: Гуре/We	nt: Hi De ight: 14		S Ibs F	Vell/Auger Di Vell Screene Icreen Slot S	d Interval: Size: sed:	0.010 inches 2/12 Sand	:
Total Bori Total Well State Well	Depth:	12		surface Seal: Innular Seal: Ionument Ty	:	Cement Bentonite Flush-mount Page:	7 of 9	



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

					· · · · · · · · · · · · · · · · · · ·				
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).	
		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).	
Drillir Drillir Samp Hamr	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						iameter: d Interval: Size: sed:	2" / 8.25" inches 110 to 120 feet bgs 0.010 inches 2/12 Sand Cement	11:01
Total	Well	Depth: ID No.:	12		feet bgs Ar	nnular Seal onument Ty		Bentonite Flush-mount Page:	8 of 9
								3 1	



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 | **B124** LOG | MW124

Site Address: 700 Dexter Avenue North

Seattle, WA

 \bigvee

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

130										
Drilling Co/Driller: Cascade Drilling/ David MSI Screened Interval: 1910 100 100 100 100 100 100 100 100 10	Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)			Graphic	Lithologic Description	Construction
Boring terminated at 120.5 feet below ground aurace (psp.) Two-inch diameters well installed to a depth of 120 feet bys, so arrened from 130 to 120 feet bys, and finished with a flush-mounted monitoring well MW124. 130 — 135	120	\times	50/6	100	0.0	B124-120	SP		Wet, very dense, medium to fine SAND with silt,	
130 — Drilling Co/Driller: Cascade Drilling/ David PSI PRINCE PRI	-								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	
130 — Drilling Co/Driller: Cascade Drilling/ David PSI PRINCE PRI	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	125 —									
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	_									
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										
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										
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	_									
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	_									
Drilling Co./Driller: Cascade Drilling/ David Well/Auger Diameter: 2" / 8.25" inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: 110 to 120 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 120.5 feet bgs Surface Seal: Cement Total Well Depth: 120 feet bgs Annular Seal: Bentonite	130 —									
Drilling Co./Driller: Cascade Drilling/ David Well/Auger Diameter: 2" / 8.25" inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: 110 to 120 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 120.5 feet bgs Surface Seal: Cement Total Well Depth: 120 feet bgs Annular Seal: Bentonite	_									
Drilling Co./Driller: Cascade Drilling/ David Well/Auger Diameter: 2" / 8.25" inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: 110 to 120 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 120.5 feet bgs Surface Seal: Cement Total Well Depth: 120 feet bgs Annular Seal: Bentonite	_									
Drilling Co./Driller: Cascade Drilling/ David Well/Auger Diameter: 2" / 8.25" inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: 110 to 120 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 120.5 feet bgs Surface Seal: Cement Total Well Depth: 120 feet bgs Annular Seal: Bentonite										
Drilling Co./Driller: Cascade Drilling/ David Well/Auger Diameter: 2" / 8.25" inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: 110 to 120 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 120.5 feet bgs Surface Seal: Cement Total Well Depth: 120 feet bgs Annular Seal: Bentonite	-									
Drilling Co./Driller: Cascade Drilling/ David Well/Auger Diameter: 2" / 8.25" inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: 110 to 120 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 120.5 feet bgs Surface Seal: Cement Total Well Depth: 120 feet bgs Annular Seal: Bentonite	_									
Drilling Co./Driller: Cascade Drilling/ David Well/Auger Diameter: 2" / 8.25" inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: 110 to 120 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: 2/12 Sand Total Boring Depth: 120.5 feet bgs Surface Seal: Cement Total Well Depth: 120 feet bgs Annular Seal: Bentonite	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				We Scalbs Fill feet bgs Su	ell Screene reen Slot S ter Pack U rface Seal	d Interval: Size: sed: :	110 to 120 feet bgs 0.010 inches 2/12 Sand Cement		
					-			Flush-mount Page: 9	of 9	



Date Started: 12/20/13
Surface Conditions: Concrete

12/20/13

Well Location N/S:
Well Location E/W:
Reviewed by:
CCC

Date Completed:

BORING | **B125** LOG | MW125

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Da	te Complete	ea: 12/20	J/13	Alter Completion leet bgs		reet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
0		8 9 10 5 7 8	90	0.2	B125-05	SM		Damp, loose, silty SAND w hydrocarbon odor (35-45-2) Damp, loose, silty SAND w hydrocarbon odor (30-50-2)	ith gravel, brown, no	
	_	./Drille		Cascade Drilling/		Nell/Auger Di		2" / 8.25" inches	Notes/Comments	:
		uipmen		HSA D. M	I	Well Screene		•		
Samp				D+M		Screen Slot S		0.010 inches		
		ype/We			I	Filter Pack Us		2/12 Sand		
	Total Boring Depth:				·	Surface Seal:		Cement		
		Depth:			•	Annular Seal:		Bentonite		
State	Well	ID No.:	E	BID 020		Monument Ty	/pe:	Flush-mount	Page:	1 of 3



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 | **B125** LOG | MW125

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -- feet bgs

		Da	te Completed	1: 12/20	J/13	Alter Completion	reet bys
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).	Z
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./Drille Drilling Equipment Sampler Type:	nt: H D	 ascade Drilling/ SA +M	W.	ell/Auger Di ell Screene creen Slot S	d Interval: Size:	0.010 inches	
Hammer Type/We Total Boring Dep Total Well Depth: State Well ID No.	th: 31	.5	feet bgs Su	iter Pack Us urface Seal: nnular Seal: onument Ty	:	2/12 Sand Cement Bentonite Flush-mount Page: 2 0	of 3
1				•	-	raye. Zu	/I J



Date Started: 12/20/13
Surface Conditions: Concrete

12/20/13

Well Location N/S:
Well Location E/W:
Reviewed by: CCC

Date Completed:

BORING | B125 LOG | MW125

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

0 feet bgs

Water Depth
After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Graphic	Lithologic Description Cons	Vell struction etail
30 _		8 9 9	100	0.0	B125-30	ML			Damp, loose, SILT with fine sand, brown, no hydrocarbon odor, plastic (80-20-0).	
_									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.	
35 —										
_										
_										
40 —										
_										
- 45										
Drillin Samp Hamn Total	Drilling Equipment: HSA		31.5 feet bgs		II/Auger Di II Screene reen Slot S er Pack Us rface Seal: nular Seal:	d Ir Size Sed	iterval: :	2" / 8.25" inches 15 to 30 feet bgs 0.010 inches 2/12 Sand Cement Bentonite		
		ID No.:		ID 020	- 1	nument Ty		:	Flush-mount Page: 3 of 3	3



DRAFT

Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 12/30/13 **Surface Conditions:**

Concrete

162 ft north of NE corner of Seattle City Light Bld Well Location N/S: Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building

Reviewed by:

Date Completed: 12/30/13 BORING **B126** LOG | MW126

Site Address: 700 Dexter

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	ole USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10" thick	
5—								Clear boring with vactor truck to depth of approximately 10 feet bgs.	
10 —		10 16 17	100	400	B126-10	SM	50000000000000000000000000000000000000	Damp, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (35, 50, 15).	
15 Drillin		/D.::!!	<u> </u>	Decede / Francis	B126-15	Well/A	 	2/8.25 inches Notes/Comments:	
		./Drille uipmer		Cascade/Frank HSA		Well/Auger D Well Screene			
Samp	ler T	уре:		Dames and Moor		Screen Slot S		0.010 inches	
		ype/We				Filter Pack U		2/12 Silica Sand	
		ng Dept			٠ ١	Surface Seal Annular Seal		Concrete Bentonite	
				BID 021	- 1	Monument Ty			of 7
							-	ı ay c .	01 /



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 12/30/13 Surface Conditions: Concrete

162 ft north of NE corner of Seattle City Light Bld 4.5 ft east of NE corner of Seattle City Light Building BORING | **B126** LOG | MW126

Site Address: 700 Dexter

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

2 of 7

Page:

DRAFT

Reviewed by: **Date Completed:** 12/30/13

Well Location E/W:

feet bgs

BID 021

State Well ID No.:

Annular Seal:

Monument Type:

Bentonite

Flush Mount

3low Count Interval % Recovery Graphic Well Sample **USCS** PID (ppmv) Lithologic Description Construction ID Class Detail 15 100 SM-ML Moist, loose, silty SAND with gravel, gray, slight 5.7 hydrocarbon odor (45, 45, 10). 20 15 3.2 SM-ML Wet, loose, silt with fine SAND, gray, no B126-20 hydrocarbon odor (55, 45, 0). B126-25 25 100 8 10 2.8 SP-SM Wet, loose, fine to medium SAND with silt, gray, no hydrocarbon odor (10, 90, 0). **Drilling Co./Driller:** Cascade/Frank Well/Auger Diameter: 2/8.25 inches Notes/Comments: **Drilling Equipment:** HSA Well Screened Interval: 85 to 95 feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 Filter Pack Used: 2/12 Silica Sand 95.5 **Total Boring Depth:** feet bgs Surface Seal: Concrete **Total Well Depth:** 95



Total Well Depth:

State Well ID No.:

95

BID 021

feet bgs

Annular Seal:

Monument Type:

Bentonite

Flush Mount

Page:

3 of 7

Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 12/30/13 Surface Conditions: Concrete

> 162 ft north of NE corner of Seattle City Light Bld 4.5 ft east of NE corner of Seattle City Light Building

BORING | **B126** LOG | MW126

Site Address: 700 Dexter

Seattle, Washington

Time of Drilling

Water Depth At

feet bgs

Water Depth After Completion --

feet bgs

DRAFT

Reviewed by: **Date Completed:** 12/30/13

Well Location E/W:

Interval **Slow Count** % Recovery Graphic Well Sample **USCS** PID (ppmv) Lithologic Description Construction ID Class Detail 30 12 100 SP-SM Moist, dense, very fine SAND with silt, gray, no 0.5 16 17 hydrocarbon odor (10, 90, 0). B126-30 B126-35 35 50/6 100 0.0 SP-SM Wet, very dense, very fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0). 40 50/6 100 0.2 SP-SM Wet, very dense, fine to medium SAND with silt, B126-40 gray, no hydrocarbon odor (10, 90, 0). **Drilling Co./Driller:** Cascade/Frank Well/Auger Diameter: 2/8.25 inches Notes/Comments: **Drilling Equipment:** HSA Well Screened Interval: 85 to 95 feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 Filter Pack Used: 2/12 Silica Sand 95.5 **Total Boring Depth:** feet bgs Surface Seal: Concrete



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 12/30/13 Surface Conditions: Concrete

162 ft north of NE corner of Seattle City Light Bld 4.5 ft east of NE corner of Seattle City Light Building BORING | **B126** LOG | MW126

Site Address: 700 Dexter

Seattle, Washington

Water Depth At

feet bgs

Time of Drilling

Water Depth

After Completion -feet bgs

DRAFT

BID 021

State Well ID No.:

Reviewed by: **Date Completed:** 12/30/13

Well Location E/W:

Interval **Slow Count** % Recovery Graphic Well Sample **USCS** PID (ppmv) Lithologic Description Construction ID Class Detail 45 B126-45 Damp, very dense, silt with fine SAND, gray, no 33 0.0 ML hydrocarbon odor (60, 40, 0). 50 50/6 100 0.0 Damp, very dense, silty SAND with gravel, SM-ML B126-50 cohesive, gray, no hydrocarbon odor (40, 50, 0). B126-55 55 50/6 33 0.0 Damp, very dense, SILT with fine sand and ML gravel, gray, cohesive, no hydrocarbon odor (50, 40, 10). **Drilling Co./Driller:** Cascade/Frank Well/Auger Diameter: 2/8.25 inches Notes/Comments: **Drilling Equipment:** HSA Well Screened Interval: 85 to 95 feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 Filter Pack Used: 2/12 Silica Sand 95.5 **Total Boring Depth:** feet bgs Surface Seal: Concrete **Total Well Depth:** 95 feet bgs **Annular Seal:** Bentonite

Flush Mount

Page:

4 of 7

Monument Type:



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 12/30/13 Surface Conditions: Concrete

162 ft north of NE corner of Seattle City Light Bld 4.5 ft east of NE corner of Seattle City Light Building BORING | **B126** LOG | MW126

Site Address: 700 Dexter

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

DRAFT

Reviewed by: **Date Completed:** 12/30/13

Well Location E/W:

Interval **Slow Count** % Recovery Depth (feet bgs) Graphic Well Sample **USCS** PID (ppmv) Lithologic Description Construction ID Class Detail 60 B126-60 33 0.0 ML Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (60, **3**0, 10). B126-65 65 50/6 33 0.0 ML Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (60, 30, 10). 70 50/6 100 0.0 Damp, very dense, SILT with fine sand and ML B126-70 gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10). **Drilling Co./Driller:** Cascade/Frank Well/Auger Diameter: 2/8.25 inches Notes/Comments: **Drilling Equipment:** HSA Well Screened Interval: 85 to 95 feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 Filter Pack Used: 2/12 Silica Sand 95.5 **Total Boring Depth:** feet bgs Surface Seal: Concrete **Total Well Depth:** 95 feet bgs **Annular Seal:** Bentonite BID 021 State Well ID No.: Flush Mount Monument Type: Page: 5 of 7



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 12/30/13 Surface Conditions: Concrete

162 ft north of NE corner of Seattle City Light Bld 4.5 ft east of NE corner of Seattle City Light Building BORING | **B126** LOG | MW126

Site Address: 700 Dexter

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

DRAFT

Reviewed by: **Date Completed:** 12/30/13

Well Location E/W:

Interval **Slow Count** % Recovery Graphic Well Sample **USCS** PID (ppmv) Lithologic Description Construction ID Class Detail 75 B126-75 33 0.0 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 Damp, very dense, SILT with fine sand and ML gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10). **Drilling Co./Driller:** Cascade/Frank Well/Auger Diameter: 2/8.25 inches Notes/Comments: **Drilling Equipment:** HSA Well Screened Interval: 85 to 95 feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 Filter Pack Used: 2/12 Silica Sand 95.5 **Total Boring Depth:** feet bgs Surface Seal: Concrete **Total Well Depth:** 95 feet bgs **Annular Seal:** Bentonite BID 021 State Well ID No.: Flush Mount Monument Type: Page: 6 of 7



DRAFT

Project: 700 Dexter **Project Number:** 0797-001 RAH Logged by: **Date Started:** 12/30/13 Surface Conditions: Concrete

Reviewed by:

Monument Type:

BID 021

State Well ID No.:

Date Completed:

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

12/30/13

Site Address: 700 Dexter

BORING

Seattle, Washington

B126

Water Depth At 20

LOG | MW126

Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

7 of 7

Page:

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description		Well Construction Detail
90	\setminus	50/6	0					Slough in sampler.		
-		30/6	0					Slough in sampler.		
95 —	\ /	50/6	100	0.0	B126-95	SP		Wet, very dense, fine to coarse SAND and silt, gray, no hydrocarbon odor, o	with gravel utwash	
	$ \setminus / $					31	***************************************	sands (5, 90, 5).		
_	\bigwedge							EOB at 95.5 feet bgs. Set well MW126.		
-										
-										
100 —										
_										
-										
105										
	na Ca	./Drille	r. ^	ascade/Frank	Wa	II/Auger Di	iameter:	2/8.25 inches Notes/Co	mmente:	
		uipmer uipmer		SA		II/Auger Di			mments.	
Samp				ames and Moor		een Slot S		0.010 inches		
		ype/We				er Pack Us		2/12 Silica Sand		
		ng Dept				face Seal:		Concrete		
		Depth:			٠ ا	nular Seal:		Bentonite		
	\A/ - II	ID No.		ID 001		T.		Flush Maunt		_

Flush Mount



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 | **B127** LOG | MW127

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Da	te Complet	ea: 12/3	1/13		Aiter Completion	i leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic De	scription	Well Construction Detail
5		9 18 16	80	0.0	B127-10	SM		Concrete 7 inches thick. Vac clean to 10' bgs. Damp, dense, silty SAND w hydrocarbon odor (35-55-10)	ith gravel, brown, r	
1	_	./Drillei uipmen		Cascade Drilling/ HSA		Well/Auger Di Well Screene		2" / 8.25" inches 15 to 30 feet bgs	Notes/Comments	s:
Samp	ler T	ype:		D+M		Screen Slot S	Size:	0.010 inches		
		ype/We				Filter Pack Us		2/12 Sand		
		ng Dept Depth:			·	Surface Seal: Annular Seal:		Concrete Bentonite		
		Deptn: ID No.:		BID 022	- 1	Annular Seal: Monument Ty		Flush-mount	Page:	1 of 4
	٠								raye.	1 01 4



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 | **B127** LOG | MW127

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

-- feet bgs

Water Depth
After Completion --

L				, Du	te Completeu	. 12/0	1/13		7 intol Completion	1001.095
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
15 - -		4 7 8	90	0.0	B127-15	ML		Moist, loose, SILT with fine hydrocarbon odor (75-25-0)	sand, gray, no).	
20 —	\ /	16 50/6	0					Wood in sampler.		
-								Drilling through wood.		
25 — - -		50/6	100	0.0	B127-25	GM		Wet, very dense, silty GRA no hydrocarbon odor (20-2) and some soil in samler.	VEL with sand, gray, 0-60). Wood waste	
30										
Drillin Samp Hamn Total	g Eq ler T ner T Borii Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: H: D- eight: 14 th: 50).5	We Scilbs Filt feet bgs An	II/Auger Di II Screene reen Slot S er Pack Us rface Seal: nular Seal: nument Ty	d Interval: Size: sed: :	2" / 8.25" inches 15 to 30 feet bgs 0.010 inches 2/12 Sand Concrete Bentonite Flush-mount	Notes/Comments:	? of 4



Project: 700 Dexter **Project Number:** 0797-001-02 Logged by: RAH

Date Started: 12/31/13 Surface Conditions: Concrete

155' N of NW corner of city light building Well Location N/S: Well Location E/W: 4' W of NW corner of city light building

Reviewed by: CCC **Date Completed:** 12/31/13 BORING | **B127** LOG | MW127

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

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). Trace sand with gravel in end of sampler.	
Drillir Samp Hamr Total Total	Drilling Co./Driller:CascalDrilling Equipment:HSASampler Type:D+MHammer Type/Weight:140Total Boring Depth:50.5Total Well Depth:50			0+M 40 0.5	Ibs Feet bgs Seet bgs A	Vell/Auger Di Vell Screene Screen Slot S Silter Pack Us Surface Seal: Annular Seal:	d Interval: Size: sed:	2" / 8.25" inches 15 to 30 feet bgs 0.010 inches 2/12 Sand Concrete Bentonite Flush-mount Inches Page:	3 of 4



Project: 700 Dexter **Project Number:** 0797-001-02 Logged by: RAH

Date Started: 12/31/13 Surface Conditions: Concrete

155' N of NW corner of city light building Well Location N/S: Well Location E/W: 4' W of NW corner of city light building

Reviewed by: CCC **Date Completed:** 12/31/13 BORING | **B127** LOG | MW127

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

				Da	te completed	. 12/3	1/13	7.110. 00.11.	1001.090		
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 —	X	50/6	100	0.0	B127-50	SP		Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).			
-								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.			
55 —											
Drillin Samp Hamn Total Total	ig Eq ler T ner T Borii Well	ype/Weng Dept Depth:	nt: H E eight: 1 th: 5	50.5 50	We Scribs Filt feet bgs Ann	reen Slot S er Pack Us rface Seal: nular Seal:	d Interval: Size: sed: :	0.010 inches 2/12 Sand Concrete Bentonite			
State	State Well ID No.:		E	3ID 022	Мо	nument Ty	/pe:	Flush-mount Page: 4 of 4			



Project: 700 Dexter Project Number: 0797-001 Logged by: DMM Date Started: 1/9/14 Surface Conditions: Concrete

22 ft south of fire hydrant 1 ft east of fire hydrant

Reviewed by: **Date Completed:** 1/9/14

Well Location E/W:

BORING | **B128** LOG | MW128

Site Address: 700 Dexter

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	ole USC Clas	SS 3	Grapnic	Lithologic De	escription	Well Construction Detail
-									Boring air-knifed to 10 feet	bgs prior to drilling.	
5											
10 —		2 3 4	100	52.8	B128-10	SM		10000000000000000000000000000000000000	Damp, loose, silty fine SAN gray, faint hydrocarbon odd	D with trace gravel, or (40, 55, 5).	
Drillin Samp Hamn Total Total	ig Eq ler Ty ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: H S sight: 30 th: 70).5	lbs feet bgs feet bgs	Well/Auge Well Screen Screen Slo Filter Pack Surface So Annular So Monumen	ened Inte ot Size: (Used: eal: eal:	erval:	2/8.25 inches 60 to 70 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite Flush mount	Notes/Comments:	of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: DMM Date Started: 1/9/14 Surface Conditions: Concrete

22 ft south of fire hydrant

1 ft east of fire hydrant

Date Completed: 1/9/14

Well Location E/W:

Reviewed by:

BORING **B128** LOG | MW128

Site Address: 700 Dexter

Seattle, Washington

Time of Drilling

Water Depth At

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction Detail
- -		5 5 3	50	2.6	B128-15	SM		Wet, loose, wood debris wit SAND with gravel, brown, n (20, 70, 10).	h some soil - silty o hydrocarbon odor	
20 —		4 7 8	33	1.3	B128-20	SM-GM		Wet, medium dense, silty gr gray, no hydrocarbon odor	ravelly SAND, dark (20, 40, 40).	
25 —		5 9 11	100	0.6	B128-25	SM-ML		Damp, medium dense, fine s gravel and wood debris, gra odor (50, 45, 5).	sandy SILT with trace ny, no hydrocarbon	
Drillir Drillir Samp Hamr	ng Eq oler T ner T	ype/We	nt: Hi Sp eight: 30		Sc File	ell/Auger D ell Screene reen Slot S ter Pack Us	d Interval: Size: sed:	0.010 inches 2/12 Silica Sand	Notes/Comments:	
Total	Well	ng Dept Depth: ID No.:	70		feet bgs An	rface Seal: nular Seal: nument Ty		Concrete Bentonite Flush mount	Page: 2	? of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: DMM Date Started: 1/9/14 Surface Conditions: Concrete

22 ft south of fire hydrant 1 ft east of fire hydrant

Well Location E/W: Reviewed by: **Date Completed:** 1/9/14 BORING **B128** LOG | MW128

Site Address: 700 Dexter

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Dril	_	o./Drille quipmer	nt: H	ascade/Dave SA blit-spoon	We	ell/Auger Di ell Screene ereen Slot S	d Interval:	2/8.25 inches 60 to 70 feet bgs 0.010 inches	
40	-	12 14 15	100	0.0	B128-40	ML		Damp, dense, SILT with fine sand, gray, no hydrocarbon odor (80, 20, 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).	
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).	
Depth (feet hos)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail



70

Total Well Depth:

State Well ID No.:

Project: 700 Dexter **Project Number:** 0797-001 Logged by: DMM Date Started: 1/9/14 Surface Conditions: Concrete

22 ft south of fire hydrant 1 ft east of fire hydrant

LOG | MW128

BORING

Site Address: 700 Dexter

Seattle, Washington

B128



Water Depth At 15 Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

DRAFT

Reviewed by: **Date Completed:** 1/9/14

Well Location E/W:

Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0).							1,0,1		•	
13		Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID		Graphic	Lithologic Description	Construction
SM-ML Damp to moist, medium dense, silty fine SAND to sandy SILT, gray, no hydrocarbon odor (50, 50, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine	- - -		11 18 19	50	0.6	B128-45	ML		small sand stringer, gray, no hydrocarbon odor	
Drilling Co./Driller: Cascade/Dave Drilling Equipment: HSA Sampler Type: Split-spoon Hammer Type/Weight: 300 lbs Filter Pack Used: 2/12 Silica Sand ML Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0). Notes/Comments: Vell/Auger Diameter: 2/8.25 inches do to 70 feet bgs ocreen Slot Size: 0.010 inches Filter Pack Used: 2/12 Silica Sand	-		l 13	100	0.6	B128-50	SM-ML		sandy SILT, gray, no hydrocarbon odor (50, 50,	
Drilling Equipment: HSA Well Screened Interval: 60 to 70 feet bgs Sampler Type: Split-spoon Screen Slot Size: 0.010 inches Hammer Type/Weight: 300 lbs Filter Pack Used: 2/12 Silica Sand	-		12	75	0.0	B128-55	ML		Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0).	
Sampler Type: Split-spoon Screen Slot Size: 0.010 inches Hammer Type/Weight: 300 lbs Filter Pack Used: 2/12 Silica Sand	Drillir								110100, 001111101101	1
Hammer Type/Weight: 300 lbs Filter Pack Used: 2/12 Silica Sand										
						I .				
).5	feet bgs Su	rface Seal:	:	Concrete	

Annular Seal:

Monument Type:

Bentonite

Flush mount

Page:

4 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: DMM Date Started: 1/9/14 Surface Conditions: Concrete

22 ft south of fire hydrant 1 ft east of fire hydrant

Reviewed by: **Date Completed:** 1/9/14

Well Location E/W:

BORING **B128** LOG | MW128

Site Address: 700 Dexter

Seattle, Washington

Water Depth At 15 Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription		Well Construction Detail
		16 16 19	100	0.6	B128-60	SM/SP		Moist, dense, fine SAND with hydrocarbon odor (10, 90, 0	th silt, gray, no).		
65 — - -		11 12 14	100	0.0	B128-65	SM/SP		Moist, dense, fine SAND with hydrocarbon odor (10, 90, 0)	th silt, gray, no).		
70 —		50/6	250	0.0	B128-70	SM/SP		Wet, very dense, fine SAND hydrocarbon odor (10, 90, 0) End of boring at 70.5. Instal).	no	
Drillir Drillir Samp Hamn Total	ng Eq oler T ner T Borir	o./Drille uipmer ype: ype/We ng Dept Depth:	nt: Hi Sp sight: 30 th: 70).5	W Sollbs Fi feet bgs Sol	/ell/Auger Di /ell Screened creen Slot S liter Pack Us urface Seal: nnular Seal:	d Interval: ize: sed:	2/8.25 inches 60 to 70 feet bgs 0.010 inches 2/12 Silica Sand Concrete Bentonite	Notes/Comme	ents:	
		ID No.:			•	onument Ty		Flush mount	Page:	5	of 5



State Well ID No.:

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Concrete
Well Location N/S: 35 S N N wall

46' E of W wall

3/18/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING | **DB01** LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

 \bigvee

Water Depth At
Time of Drilling

27.40 feet bgs

Water Depth

After Completion -- feet bgs

1 of 3

Page:

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction
		Blow	Rec			0.000	Ğ	_	·	Detail
0		OB 18 50/6	100	1.3	B-1-05	SP-SM (FILL) SM (FILL)	5	Damp, very dense, medium some silt, light brown, no so odor (10-90-0). Fill material Damp, very dense, silty fine gray, no solvent or hydroca Fill material.	to fine SAND with olvent or hydrocarbon e SAND with gravel,	Detail
10 —		2 2 5 5	100	0.7	B-1-10	SP-SM (FILL)		Moist, loose, medium to fine brown, no solvent or hydroc Fill material.	e SAND with silt, carbon odor (10-90-0).	
Drillir Drillir Samp Hamn Total	ng Eq oler T ner T Borii	o./Drille juipmer ype: ype/We ng Dept Depth:	nt: HS Da light: 14 lh: 41		e Sci lbs Filt feet bgs Sui	II/Auger D II Screene een Slot S er Pack Us face Seal: nular Seal:	d Interval: Size: sed:	2/4.25 inches feet bgs 0.010 inches Concrete Bentonite	Notes/Comments:	

Monument Type:



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/18/2013 Surface Conditions: Concrete 35' S of N wall Well Location N/S: Well Location E/W: 46' E of W wall

CCC

3/18/2013

Reviewed by:

Date Completed:

BORING **DB01** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

27.40 feet bgs

Water Depth After Completion --

				Da	te Completed	3/18/	2013	Alter Completion	- leet bys
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).	
Drilling Drilling Sample Hamme Total B	g Eq er Ty er Ty Borin	ype: ype/We ig Dept	nt: H D ight: 14		e Score Fill feet bgs Su	ell/Auger D ell Screene creen Slot S lter Pack Usurface Seals	d Interval: Size: sed:	2/4.25 inches feet bgs 0.010 inches Concrete Bentonite	
	Total Well Depth: feet bgs State Well ID No.:					onument Ty			2 of 3



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/18/2013 Surface Conditions: Concrete 35' S of N wall Well Location N/S: Well Location E/W: 46' E of W wall

CCC

3/18/2013

Reviewed by:

Date Completed:

BORING | **DB01** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

27.40 feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail	
35		50/6	50	0.1	B-1-35	ML	00000000000000000000000000000000000000	Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-55-20). 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). 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.		
Drillir Samp Hamr	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth:				e Sc lbs Fil	ell/Auger Di ell Screene reen Slot S ter Pack Us	d Interval: Size: sed:	2/4.25 inches feet bgs 0.010 inches Concrete		
Total	Total Well Depth: State Well ID No.:				feet bgs An	Annular Seal: Bentonite Monument Type: Page:				



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/18/2013 Surface Conditions: Asphalt 27.0' S of N wall Well Location N/S:

CCC

Well Location E/W: Reviewed by:

156.9' E of west wall

BORING | DB02 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling 25

feet bgs

Water Depth

					te Completed	l: 3/18/		After Completion 17 feet bgs		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic D	escription	Well Construction Detail
5—		1222	100	0.0	B-2-05	ML (FILL)		Wet, soft SILT with gravel gray, no solvent or hydroc wood ash in bottom 3 inch material. Moist, stiff SILT with fine s gray, no solvent or hydroc Fill material.	arbon odor. Blaes (55-40-5). Fil	ravel, 45-5).
1	_	./Drille		ascade/David SA		ell/Auger Di ell Screene		2/4.25 inches feet bgs	Notes/Comm	ents:
	Sampler Type: Dames and Moore						u iiilei vai. Size:	0.010 inches		
Hamn	Hammer Type/Weight: 140 lbs					ter Pack Us				
	Total Boring Depth: 45.5 feet bgs					ırface Seal:		Concrete		
	Total Well Depth: feet bg State Well ID No.:					Annular Seal:		Bentonite		
State	Well	ID No.:			onument Ty	pe:		Page:	1 of 4	



Total Well Depth:

State Well ID No.:

Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/18/2013 Surface Conditions: Asphalt 27.0' S of N wall Well Location N/S: Well Location E/W: 156.9' E of west wall

CCC

3/18/2013

Reviewed by:

Date Completed:

BORING | **DB02** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

25 feet bgs

Water Depth After Completion 17

feet bgs

1									I
Depth (feet bgs)			Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail		
15		4 5 5	100	0.1	B-2-15	SP-SM		Moist, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
20 -						SM		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 — - - - 30		15 50/6	1	0.7	B-2-25	GM		Wet, very dense, GRAVEL with silt and sand, dark brown.	
Drillin	Drilling Co./Driller: Cascade/David					ell/Auger D		2/4.25 inches Notes/Comments:	
	Drilling Equipment: HSA					ell Screene		_	
1	Sampler Type: Dames and Moore					creen Slot S		0.010 inches	
	Hammer Type/Weight: 140 lbs					Iter Pack U			
1				feet bgs Si	urface Seal:	•	Concrete		
I Takal	14/011				4 4 A -	I CI	_	Dentenite	

Annular Seal:

Monument Type:

Bentonite

Page:

2 of 4



140

45.5

Dames and Moore

feet bgs

feet bgs

Sampler Type:

Hammer Type/Weight:

Total Boring Depth:

Total Well Depth:

State Well ID No.:

Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 3/18/2013 Surface Conditions: Asphalt 27.0' S of N wall Well Location N/S: Well Location E/W: 156.9' E of west wall

CCC

3/18/2013

Reviewed by:

Date Completed:

BORING | **DB02** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

> Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion 17 feet bgs

						-,	_0.0		•
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		15 25 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	iameter	Damp, very dense, silty SAND with gravel, dark gray, cohesive, no hydrocarbon odor (40-40-20).	
	ıg Eq	uipmer		SA	W	ell Screene	d Interval:	I	

0.010

Concrete

Bentonite

Screen Slot Size:

Filter Pack Used:

Monument Type:

Surface Seal:

Annular Seal:

Page:

3 of 4

inches



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

CCC

3/18/2013

Reviewed by:

Date Completed:

BORING | DB02 LOG |

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

25 feet bgs

Water Depth
After Completion 17

Solution Co-Driller: Cascado-David Construction Construc							0, . 0,			
Drilling Go./Driller: Cascade/David Well/Auger Dlameter: 24.25 inches value of the base of		Interval				Sample ID	USCS Class	Graphic	Lithologic Description Constru	uction
Drilling Go./Driller: Cascade/David Well/Auger Diameter: 244.25 inches feet bgs Sampler Type: Dames and Moore Hammer Type/Weight: 140 bs Total Boring Equipment: 45.5 feet bgs Screen Stol Size: 0.010 inches Fitzer Pack Used: Total Boring Depth: 45.5 feet bgs Sundiversel Surface Seal: Concrete Senting	45	\times	50/5	40	1.3	B-2-45	SM		Damp, very dense, silty SAND with gravel, gray,	
Drilling Co./Driller: Cascade/David Well/Auger Diameter: 2/4.25 inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: Total Boring Depth: 45.5 feet bgs Surface Seal: Concrete Total Well Depth: feet bgs Annular Seal: Bentonite	50 —					572-40	SM		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	
Drilling Co./Driller: Cascade/David Well/Auger Diameter: 2/4.25 inches Notes/Comments: Drilling Equipment: HSA Well Screened Interval: feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: Total Boring Depth: 45.5 feet bgs Surface Seal: Concrete Total Well Depth: feet bgs Annular Seal: Bentonite	60									
Drilling Equipment: HSA Well Screened Interval: feet bgs Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: Total Boring Depth: 45.5 feet bgs Total Well Depth: feet bgs Annular Seal: Bentonite		.a. Ca	/Dr:II-	^	Lacoado/Douis	14	Voll/Auman Di	iomoto::	2/4 25 inches Notes/Comments	
Sampler Type: Dames and Moore Screen Slot Size: 0.010 inches Hammer Type/Weight: 140 lbs Filter Pack Used: Total Boring Depth: 45.5 feet bgs Total Well Depth: feet bgs Annular Seal: Bentonite										
Hammer Type/Weight: 140 lbs Filter Pack Used: Total Boring Depth: 45.5 feet bgs Total Well Depth: feet bgs Annular Seal: Bentonite					_					
Total Boring Depth: 45.5 feet bgs Total Well Depth: feet bgs Total Well Depth: feet bgs Annular Seal: Bentonite										
Total Well Depth: feet bgs Annular Seal: Bentonite										
Total Well Depth: feet bgs Annular Seal: Bentonite	Total	Borin	g Dept	h: 4	5.5	feet bgs S	Surface Seal:		Concrete	
						٠ ا			Bentonite	
Page: 4 of 4						- 1				
	Julie	***	ייסויו קיי			l IV	ionument ly	γc.	Page: 4 of 4	



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/27/2013

Surface Conditions: Asphalt 62' N of former building drive Well Location N/S: Well Location E/W: 46' W of E property boundary

Reviewed by: CCC Date Completed: 3/27/2013 BORING | **DB03** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -feet bgs

				Da	te Complete	u. 3/2//	2013	7.1101.0011.	1001 590
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
5		4 7 7 7	100	0.5	DB03-05	(FILL)		Damp, loose, silty SAND with gravel, brown, solvent or hydrocarbon odor (15-80-5). Fill material. Wet, medium dense, gravelly SILT with brick black, no solvent or hydrocarbon odor (10-10 Fill material.	s,
1	-	./Drille uipmer		ascade/David SA		/ell/Auger Di /ell Screene		2/4.25 inches Notes/Commen feet bgs	is:
Samp	ler T	ype:	D	ames and Moor	e S	creen Slot S	Size:	inches	
		ype/We				ilter Pack Us			
		ıg Dept			٠ ا	urface Seal:		-	
					- 1	nnular Seal:		Portland Grout	
State '	rotal Well Deptil.		В			Ionument Ty	/pe:	Page:	1 of 5



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH **Date Started:** 3/27/2013 Surface Conditions: Asphalt

62' N of former building drive Well Location N/S: Well Location E/W: 46' W of E property boundary

Reviewed by: CCC **Date Completed:** 3/27/2013 BORING **DB03** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

_									
- 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).	
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).	
15 - -		359	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.	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	uscs Class	Graphic	Lithologic Description	Well Construction Detail



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/27/2013

Surface Conditions: Asphalt 62' N of former building drive Well Location N/S: Well Location E/W: 46' W of E property boundary

Reviewed by: CCC **Date Completed:** 3/27/2013 BORING **DB03** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
		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 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).	
Drillir Drillir Samp Hamn Total	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: Total Well Depth:		nt: H D sight: 14 th: 60).5	e Scolbs Fill feet bgs Arr	ell/Auger Di ell Screene creen Slot S ter Pack Us urface Seal:	d Interval: Size: Sed:	inches Portland Grout	
State	State Well ID No.: BCI076			UIU/6	Mo	onument Ty	/pe:	Page:	3 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/27/2013 Surface Conditions: Asphalt

62' N of former building drive Well Location N/S: Well Location E/W: 46' W of E property boundary

Reviewed by: CCC **Date Completed:** 3/27/2013 BORING **DB03** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
- - -		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, solvent or hydrocarbon odor (30-55-45).	no
Drillir Samp Hamn Total Total	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: Total Well Depth: State Well ID No.:		nt: H D sight: 1 th: 6	0.5	e Score Fill feet bgs Arr	ell/Auger D ell Screene creen Slot S iter Pack Us irface Seals nular Seals onument Ty	d Interval: Size: sed: :	2/4.25 inches feet bgs inches Portland Grout Page:	4 of 5



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



Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

60 feet bgs

Water Depth
After Completion --

on -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	\times	50/6	50	4.7	DB03-60	SM		Wet, very dense, silty SAND with gravel, gray, no	
65 —		30/0	30	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.	
-									
75									
		./Drille		Cascade/David		Vell/Auger Di		2/4.25 inches Notes/Comments:	
Drillin	ıg Eq	uipmer	nt: H	ISA	v	Vell Screene	d Interval:	feet bgs	
Samp				ames and Moor	e S	Screen Slot S	ize:	inches	
Hamn	ner T	ype/We	ight: 1	40	lbs F	ilter Pack Us	sed:		
		ng Dept		0.5	feet bgs S	Surface Seal:			
		Depth:			I	Annular Seal:		Portland Grout	
		ID No.:		3CI076	-	Monument Ty			5 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/21/2013 Surface Conditions: Concrete Well Location N/S:

Reviewed by:

Date Completed:

84' S of N wall 51' E of N wall Well Location E/W: CCC

3/21/2013

BORING | **DB04** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth After Completion --

Date Comple				te Complete	ea: 3/21/	2013		Aitei Complet	tion leet bgs	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Des	cription	Well Construction Detail
5—		7 15 20	100	3.7	DB04-05	GM-GP		Damp, dense, sandy GRAVEL solvent or hydrocarbon odor Moist, dense, silty SAND with solvent or hydrocarbon odor	(10-30-60).	
	_	./Drille		ascade/David		Well/Auger Di			Notes/Commer	nts:
	-	uipmen		SA		Well Screene Screen Slot S				
Samp				ames and Moor	· ·			inches		
		ype/We		-		Filter Pack Us				
		ng Dept			٠ ا	Surface Seal:		-		
Total	Total Well Depth:		feet bgs A	Annular Seal:						
	State Well ID No.:				Monument Type: Page: 1 0					



Total Well Depth:

State Well ID No.:

Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 3/21/2013 Surface Conditions: Concrete

Date Completed:

84' S of N wall Well Location N/S: Well Location E/W: 51' E of N wall Reviewed by: CCC

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

2 of 5

Page:

				Da	te Completed	J. 3/21/	2013	7.1101 00111/21011	1001.090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
-		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 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).	
	Drilling Co./Driller: Cascade/David						iameter:	1/4.25/10.25 inches Notes/Comments:	
Drilling Equipment: HSA						ell Screene		TOUGH, COMMISSION	
Sampler Type: Dames and Moore						creen Slot S		inches	
Hammer Type/Weight: 140 lbs					lbs Fil	Iter Pack Us	sed:		
		ng Dept		.5	feet bgs Su	urface Seal:		-	

Annular Seal:

Monument Type:



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/21/2013 Surface Conditions: Concrete

Date Completed:

84' S of N wall Well Location N/S: Well Location E/W: 51' E of N wall Reviewed by: CCC

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

Date Comple						ea: 3/21/	2013		Aitei Compi	etion reet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
30 -		50/6	50	54.8	DB04-30	SM		Damp, very dense, silty SA or hydrocarbon odor (30-70	ND, gray, no so I-0).	
35 —		50/6	50	98.6	DB04-35	ML		Damp, hard SILT with fine s gray, no solvent or hydroca	and and trace or the contract of the contract	gravel, 40-5).
40 —		50/6	50	27.5	DB04-40	ML		Damp, hard SILT with fine s cohesive, gray, no solvent (55-40-5).	eand and trace or or hydrocarbon	gravel,
- 45	ng Co	o./Drille	r·	Cascade/David		Well/Auger D	iameter:	1/4.25/10.25 inches	Notes/Commo	ents:
	_					Well/Auger Di Well Screene		11101100	Notes/Comm	ents:
	1 •					weii Screene Screen Slot S		: feet bgs inches		
						Filter Pack Us	_			
	, ,					Surface Seal:				
	j .									
		ID No.:		-	٠ ا	Annular Seal: Monument Ty			Page:	3 of 5
1						,	-		ı ay c .	3013



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/21/2013 Surface Conditions: Concrete

Date Completed:

84' S of N wall Well Location N/S: 51' E of N wall Well Location E/W: Reviewed by: CCC

3/21/2013

BORING | LOG

DB04

Site Address: 700 Dexter Avenue North Seattle, Washington



Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth After Completion --

	Date Comple					1: 3/21/	2013	Aiter Completion	- leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45 - - -		50/5	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	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	0.8	DB04-55	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
Drillin Samp Hamn Total	ig Eq ler T ner T Borii	ype/We	nt: H [sight: 1 th: 6	60.5	te Score Fill feet bgs Su	ell/Auger Di ell Screene creen Slot S lter Pack Us urface Seal:	d Interval: Size: sed:	1/4.25/10.25 inches : feet bgs inches	
	Total Well Depth: State Well ID No.:			-	•	nnular Seal: onument Ty		Page: 4	4 of 5



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 3/21/2013 Surface Conditions: Concrete 84' S of N wall Well Location N/S:

51' E of N wall

3/21/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING **DB04** LOG

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	一面	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Construction Detail	
60	X	50/6	50	0.8	DB04-60	ML		Damp, very dense SILT with gray, no solvent or hydroca	fine sand and gravel,		
_								Boring terminated at 60.5 fe surface (bgs). Set temporar Collected water sample 201	et below ground ry well at 60 feet bgs.		
65 —											
70 —											
- - 75											
Drillin Samp Hamn Total Total	Drilling Co./Driller:Cascade/DavidDrilling Equipment:HSASampler Type:Dames and MooreHammer Type/Weight:140lbsTotal Boring Depth:60.5feet bgsTotal Well Depth:feet bgs		e Scilbs Filit feet bgs An	ell/Auger Di ell Screene reen Slot S ter Pack Us rface Seal: nular Seal:	d Interval: Size: Sed:	inches 	Notes/Comments:				
State	State Well ID No.:				MO	nument Ty	rpe:		Page: 5 of 5		



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete

12.5' N of S wall Well Location N/S: Well Location E/W: 65.5' E of W wall Reviewed by: CCC

BORING | DB05 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth After Completion --

					viewed by: te Complete	CCC ed: 3/20/	; /2013	Water Depth After Completion feet bgs				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID		0	Lithologic	Description	Well Construction Detail		
0		20 25 20 14 23 24	100	0.6	DB05-05	SP-SM		Damp, dense, medium to gravel, light brown, no sodor (10-80-10). Damp, dense, silty SANI solvent or hydrocarbon	o fine SAND with silt an olvent or hydrocarbon			
Drillin Samp Hamn Total	ng Eq ler Ty ner T Borir	o./Drille uipmer ype: ype/We ng Dept Depth:	nt: H: Da light: 14 h: 70).5	e S Ibs F feet bgs S	Vell/Auger D Vell Screene screen Slot S ilter Pack Us surface Seals annular Seal	d Interval: Size: sed:	1/4.25 inches feet bg inches	s			
		ID No.:			· ·	Ionument Ty			Page:	1 of 5		



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete 12.5' N of S wall Well Location N/S:

65.5' E of W wall

3/20/2013

CCC

Well Location E/W:

Reviewed by:

Monument Type:

State Well ID No.:

Date Completed:

BORING **DB05** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

2 of 5

Page:

Water Depth

After Completion -feet bgs

						- 0,=0,			
ا د ق	Interval	Blow Count	% Recovery		Sample	USCS	Graphic		Well
Depth (feet bgs)	ē	၂ ႘	× Š	PID (ppmv)	ID	Class	효	Lithologic Description	Construction
E 61	<u>≡</u>	8	ec °	(1-1- /	ן וט	Class	<u> </u>	Ziaiologio Zocompaon	Detail
- =		一面	<u> </u>						Detail
15	\ /	50/2	30	0.6	DB05-15	+	 .1.1.1.1.1		
'	$ \setminus /$	00/2		0.0	DB05-15	SM		Damp, very dense, silty SAND, light brown, no	
	ΙX							solvent or hydrocarbon odor (35-65-0).	
-	/\								
	/ \								
-									
-									
-									
20 —	\ /	50/6	30	1.9	DB05-20	ML-SM		Damp, very dense, silty SAND with gravel,	
	$ \setminus /$					IVIL-SIVI		cohesive, light brown, no solvent or hydrocarbo	n
	ΙX							odor (40-45-15).	
-	[/\								
	/_\								
_									
l _									
-									
25 —	\ /	50/6	50	3.3	DD05.05				
	$ \setminus /$	30/0	30	3.5	DB05-25	ML-SM		Moist, very dense, silty SAND with gravel, light	
	ΙX							brown, no solvent or hydrocarbon odor (40-45- 15).	
-	/\							13).	
	/ \								
-									
1									
-									
1									
1									
-									
30									
Drillir	ng Co	o./Drille	r: C	ascade/David	We	ell/Auger D	iameter:	1/4.25 inches Notes/Comments:	
		Juipmer		SA		ell Screene		feet bgs	
Samp	ler T	уре:	D	ames and Moor	e Sc	reen Slot S	Size:	inches	
		ype/We			lbs Fil	ter Pack U	sed:		
Total	Bori	ng Dep	th: 70	0.5	9	rface Seal		-	
Total	Well	Depth:			feet bgs An	nular Seal	:	-	
Ct-t-	14/	ID No							



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete

12.5' N of S wall Well Location N/S: 65.5' E of W wall Well Location E/W: Reviewed by: CCC

BORING | **DB05** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

					viewea by: te Completed	dCC d: 3/20/	2013	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
		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).	
- 45		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).	
Drillir	-	o./Drille		ascade/David SA		ell/Auger Di		1/4.25 inches Notes/Comments:	
Samp		uipmer vpe:		SA ames and Moor		ell Screene creen Slot S		feet bgs inches	
		ype/We				ter Pack Us	-		
Total	Bori	ng Dept	t h: 70		feet bgs Su	ırface Seal:	:	-	
		Depth:			•	nular Seal:		-	
State	well	ID No.:			Me	onument Ty	/pe:	Page:	3 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete 12.5' N of S wall Well Location N/S:

65.5' E of W wall

3/20/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING | **DB05** LOG

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	11.7	DB05-45	ML		Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).	
50 —		50/5	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	0.9	DB05-55	SM		Damp, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
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.:					we e Scr lbs Filt feet bgs Sur feet bgs Ann	II/Auger Di II Screene reen Slot S er Pack Us face Seal: nular Seal: nument Ty	d Interval: Size: sed:	inches 	of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete 12.5' N of S wall Well Location N/S:

Well Location E/W: Reviewed by:

Date Completed:

65.5' E of W wall

3/20/2013

CCC

BORING | LOG

DB05

Site Address: 700 Dexter Avenue North Seattle, Washington



Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

L					te Completet	0/20/	2013	71101 0011111011011 1001 090		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail	
65 —		50/6	55	0.0	DB05-60	ML SP-SM		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-35-15). 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).		
Drillin Samp Hamm Total	g Eq ler Ty ler Ty Borir Well	./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: HS Daight: 14 th: 70	.5	e Sclbs Filetet bgs Ar	dell/Auger Di dell Screene creen Slot S lter Pack Us urface Seal: nnular Seal: onument Ty	d Interval: Size: Sed:	inches 	5 of 5	



Total Well Depth:

State Well ID No.:

80

BCI074

Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/25/2013 Surface Conditions: Concrete

39' N of S wall Well Location N/S: Well Location E/W: 90' E of W wall Reviewed by: CCC

BORING LOG

DB06

Site Address: 700 Dexter Avenue North Seattle, Washington



Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

1 of 6

Page:

					te Completed	: 3/25/	/2013	After Com	pletion	feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description		Well Construction Detail
0		3 3 3 3 8 8 8	100	0.4	DB06-05	SM (FILL)		Damp, loose, silty SAND, brown, no solve hydrocarbon odor (30-70-0). Fill material Damp, medium dense, silty SAND, brown solvent or hydrocarbon odor (45-55-0). Finaterial.	ı. no	
Drillir Drillir Samp Hamn	ig Eq ler T ner T	o./Drille uipmer ype: ype/We	nt: Hi Da eight: 14	.5	e Sc lbs Fil	ell/Auger D ell Screene reen Slot S ter Pack U rface Seal	d Interval: Size: sed:	2/4.25 inches feet bgs inches Sand Concrete	ments:	

Annular Seal:

Monument Type:

feet bgs

Portland Grout



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 3/25/2013 Surface Conditions: Concrete Well Location N/S:

Reviewed by:

Date Completed:

39' N of S wall Well Location E/W: 90' E of W wall CCC

3/25/2013

BORING | **DB06** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington



Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

					te completed	0/20/	2010		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
		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).	
-		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).	
		o./Drille uipmer		ascade/David SA		ell/Auger D ell Screene		2/4.25 inches Notes/Comments:	

Drilling Equipment:

Sampler Type:

State Well ID No.:

Dames and Moore lbs

feet bgs

feet bgs

Hammer Type/Weight: 140 **Total Boring Depth:** 80.5 **Total Well Depth:** 80

BCI074

Well Screened Interval: Screen Slot Size:

feet bgs inches

Filter Pack Used: Sand Surface Seal: Concrete **Annular Seal:** Portland Grout Monument Type:

Page:

2 of 6



BCI074

State Well ID No.:

Project: 700 Dexter Project Number: 0797-001 Logged by: RAH **Date Started:** 3/25/2013 Surface Conditions: Concrete 39' N of S wall Well Location N/S:

90' E of W wall

3/25/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

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

3 of 6

Page:

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
		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 - - - 45		50/5	50	1.3	DB06-40	SM		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
Drilli	ng Eq	o./Drille uipmer	nt: H	ascade/David SA ames and Moor	We	ell/Auger Di ell Screene reen Slot S	d Interval:	2/4.25 inches Notes/Comments: feet bgs inches	
		ype. 'ype/We			I	ter Pack Us		Sand	
		ng Dept				rface Seal:		Concrete	
		Depth:	80	1		nular Seal:		Portland Grout	
1 04-4-	147 - 11	ID N -		21074	·	 .			

Monument Type:



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 3/25/2013 Surface Conditions: Concrete 39' N of S wall Well Location N/S:

90' E of W wall

3/25/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

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

						0,20,				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description		Well Construction Detail
- - -		50/6	50	2.2	DB06-45	SM		Damp, very dense, silty SAND with grav no solvent or hydrocarbon odor (30-60-	rel, gray, 10).	
50 —		50/3	30	0.4	DB06-50	ML		Damp, hard SILT with fine sand and gra no solvent or hydrocarbon odor (55-35-	vel, gray, 10).	
55 —		50/6	55	0.4	DB06-55	ML		Damp, hard SILT with fine sand and tradark gray, no solvent or hydrocarbon o 40-5).	ce gravel, dor (55-	
Drillir		./Drille uipmer		 Cascade/David HSA		Well/Auger Di Well Screene		2/4.25 inches Notes/Con	nments:	
Samp	-	-		Dames and Moor	I	Screen Slot S		inches		l
		ype. ype/We				Filter Pack Us		Sand		
		ype/we ₁g Dept				Surface Seal:		Concrete		
					٠ ا	Suriace Seal: Annular Seal:		Portland Grout		
		Depth:			-					
State	well	ID No.:		BCI074	^	Monument Ty	/pe:	Page:	4	of 6



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/25/2013 Surface Conditions: Concrete 39' N of S wall Well Location N/S:

90' E of W wall

3/25/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING **DB06** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

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).	
-		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).	
Drillin Samp Hamn Total Total			e Sc Fill feet bgs An	ell/Auger Di ell Screene reen Slot S ter Pack Us rface Seal: nular Seal: onument Ty	d Interval: Size: sed:	2/4.25 inches feet bgs inches Sand Concrete Portland Grout Page:	5 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

90' E of W wall

3/25/2013

CCC

Well Location E/W:

Date Completed:

Reviewed by:

BORING | DE

DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

 $\bigvee_{\mathsf{T}} \mathsf{V}$

Water Depth At
Time of Drilling

feet bgs

Water Depth
After Completion

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). Damp, hard SILT with fine sand and gravel, dark	
00	X	50/6	50	0.9	DB06-80	ML		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.	
Drillin Drillin Samp Hamm Total	Total Well Depth: 80 feet b			e Sc Fill feet bgs An	ell/Auger Di ell Screene reen Slot S ter Pack Us rface Seal: nular Seal:	d Interval: Size: sed:	inches Sand Concrete Portland Grout		
State				001074	Mc	nument Ty	/pe:	Page: 6	of 6



State Well ID No.:

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

127' E of W wall

3/27/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING | DB07 LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -- feet bgs

1 of 5

Page:

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description Wel Construct Deta	ction
0		2 8 8 8 7 8 10	100	6.8	DB07-05	SM		Moist, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-55-10). Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-55-20).	
Drillin Samp Hamn Total Total	ig Eq ler Ty ner T Borir	ype/We ng Dept Depth:	nt: HS Da ight: 14	ames and Moor 0 .5	e Selbs Fi	dell/Auger Di dell Screene creen Slot S lter Pack Us urface Seal: nnular Seal:	d Interval: Size: sed:	1/4.25/10.25 inches feet bgs inches inches	

Monument Type:



State Well ID No.:

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

CCC

3/27/2013

Reviewed by:

Date Completed:

BORING | DB07 LOG |

Site Address: 700 Dexter Avenue North Seattle, Washington

> Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

feet bgs

2 of 5

Page:

Depth (feet bas)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description C	Well onstruction 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 -		7 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 -		7 50/6	50	39.6	DB07-25	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
Drill Drill	ing E	o./Drille quipmer	nt: H	ascade/David SA	We	II/Auger D II Screene reen Slot S	d Interval:	1/4.25/10.25 inches : feet bgs inches	
	Sampler Type: Dames and Moore Hammer Type/Weight: 140 lbs				er Pack U		IIICHES		
		ing Dept				rface Seal:			
		Depth:				nular Seal:			
	. W.J					Jour	-		

Monument Type:



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/27/2013 Surface Conditions: Concrete 33' S of roll-up door Well Location N/S:

Well Location E/W: Reviewed by:

Date Completed:

127' E of W wall

3/27/2013

CCC

BORING | DB07 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

				Da	te Completed	J. 3/2//	2013	7 ittor Completic	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	100	5.2	DB07-35	SM-ML		Wet, very dense, silty SAND with gravel, gray solvent or hydrocarbon odor (35-50-15). Wet, very dense, silty SAND with gravel, gray cohesive, no solvent or hydrocarbon odor (415).	
Drillin Samp Hamn Total Total	ng Eq ler T ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: HS Da sight: 14 th: 70	.5	e Scilbs Fill feet bgs Ar	ell/Auger Di ell Screene creen Slot S Iter Pack Us urface Seal: nnular Seal: onument Ty	d Interval: Size: sed:	1/4.25/10.25 inches feet bgs inches inches	3 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/27/2013 Surface Conditions: Concrete 33' S of roll-up door Well Location N/S: Well Location E/W: 127' E of W wall

CCC

3/27/2013

Reviewed by:

Date Completed:

BORING | **DB07** LOG

Site Address: 700 Dexter Avenue North

Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -feet bgs

Depth			% 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.	
Dri	lling C	Co./Drille Equipmen		Cascade/David ISA		ell/Auger D ell Screene		1/4.25/10.25 inches Notes/Comments:	
		:quipmei Type:		isa Dames and Moor		en Screene reen Slot S		inches	
		Type/We				ter Pack U			
		ring Dept		0.5	I	ırface Seal:		-	
Tot	al We	II Depth:			9	nular Seal			
Sta	te We	II ID No.:	:	-	Mo	onument Ty	/pe:	Page:	4 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/27/2013 Surface Conditions: Concrete 33' S of roll-up door Well Location N/S: 127' E of W wall

CCC

3/27/2013

Well Location E/W:

Date Completed:

Reviewed by:

BORING | DB07 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -feet bgs

					<u> </u>			
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description Well Construction Detail
-		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 —	X	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).
-								Boring terminated at 70.5 feet below ground surface (bgs). Collected water sample 20130328-DB07-70.
75								
	_	./Drille		ascade/David		ell/Auger Di		1/4.25/10.25 inches Notes/Comments:
		uipmer		SA		ell Screene		-
Samp				ames and Moor		reen Slot S		inches
		ype/We ig Dept				ter Pack Us		
1		ւց Depւ Depth:			· ·	ırıace Seai: ınular Seal:		
1		ID No.:			•	onument Ty		Page: 5 of 5
								rage. Juli



BCI072

State Well ID No.:

Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete

27' N of S wall Well Location N/S: Well Location E/W: 90' W of E wall Reviewed by: CCC

BORING **DB08** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington



Water Depth At Time of Drilling

feet bgs

Water Depth

1 of 5

Page:

		ate Completed:	3/20/	2013	After Completion	feet bgs
Depth (feet bgs) Interval Blow Count	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
5 7 14 9	00 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. Damp, very dense, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (20-75-5).	
Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight Total Boring Depth:	Cascade/David HSA Dames and Moo 140 70.5	re Scr Ibs Filt	II/Auger Di II Screene reen Slot S er Pack Us	d Interval: Size: sed:	1/4.25/10.25 inches feet bgs inches Concrete	

Monument Type:



BCI072

State Well ID No.:

 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

90' W of E wall

3/20/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING | DB08 LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

feet bgs

2 of 5

Page:

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
- -		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).	
Drilli	_	o./Drille		ascade/David		ell/Auger Di		1/4.25/10.25 inches Notes/Comments:	
	Orilling Equipment: HSA Sampler Type: Dames and Moore			ell Screene reen Slot S		feet bgs inches			
		ype. ype/We				ter Pack Us		Inches	
		ng Dept				rface Seal:		Concrete	
		Depth:	70		· ·	ınular Seal:		Portland Cement grout	

Monument Type:



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete 27' N of S wall Well Location N/S:

90' W of E wall

3/20/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING | **DB08** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -feet bgs

						0,20,				
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic De	escription	Well Construction Detail
		50/6	50	14.6	DB08-30	ML		Moist, hard SILT with fine s or hydrocarbon odor (65-35	and, gray, no sc i-0).	plvent
35 —		50/5	50	30.6	DB08-35	SM		Wet, very dense, silty medi gray, no solvent or hydroca	um SAND with g irbon odor (35-6	gravel, i0-15).
40 — - - - 45		50/6	15	0.0	DB08-40	SM		Damp, very dense, silty fine gray, no solvent or hydroca	e SAND with gra	vel, 55-10).
Drillin	ıg Eq	./Drille uipmer	nt: ⊢	Cascade/David ISA	V	Well/Auger Di Well Screene	d Interval:		Notes/Comme	ents:
Samp	ler T	уре:		ames and Moor	e S	Screen Slot S	Size:	inches		
Hamn	ner T	ype/We	ight: 1	40	lbs F	Filter Pack Us	sed:			
Total	Borir	ng Dept	h: 7	0.5	feet bgs	Surface Seal:		Concrete		
Total	Well	Depth:	7	0	feet bgs	Annular Seal:		Portland Cement grout		
		ID No.:		3CI072		Monument Ty	/pe:		Page:	3 of 5



Total Well Depth:

State Well ID No.:

70

BCI072

feet bgs

Annular Seal:

Monument Type:

Portland Cement grout

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

90' W of E wall

3/20/2013

CCC

Well Location E/W:

Date Completed:

Reviewed by:

BORING | I

DB08

Site Address: 700 Dexter Avenue North Seattle, Washington

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Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

feet bgs

4 of 5

Page:

				Da	te Complete	Ju. 5/20/	2013	7.110. 00	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description	Well Construction Detail
- - -		50/6	50	0.7	DB08-45	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-1	0).
50 —		50/5	50	13.5	DB08-50	SM		Wet, very dense, silty medium SAND with grav gray, no solvent or hydrocarbon odor (20-70-1)	rel, 0).
55 — - - -		50/5	20	3.7	DB08-55	SM		Wet, very dense, silty medium SAND with grav gray, no solvent or hydrocarbon odor (20-70-1	rel, (0).
	ng Co	./Drille	r: C	ascade/David	v	Vell/Auger D	iameter:	1/4.25/10.25 inches Notes/Comments	:
	_	uipmer		SA		Vell Screene			
Samp				ames and Moor		Screen Slot S		inches	
		ype/We				ilter Pack U			
Total	Borii	ng Dept			feet bgs S	Surface Seal:	:	Concrete	
1			7/					De the et Occasion of	



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/20/2013 Surface Conditions: Concrete 27' N of S wall Well Location N/S:

Reviewed by:

Date Completed:

Well Location E/W: 90' W of E wall CCC

3/20/2013

BORING | **DB08** LOG

Site Address: 700 Dexter Avenue North

Seattle, Washington



Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description Well Construct Detail
65 —		50/5	50	7.0	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. Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).
70 —	\bigwedge	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.
		./Drille uipmer		ascade/David		ell/Auger Di ell Screene		1/4.25/10.25 inches feet bgs Notes/Comments:
Samp				ames and Moor		reen Slot S		inches
		ype/We	eight: 1	40		ter Pack Us		
		ng Dept				rface Seal:		Concrete
		Depth:			· ·	nular Seal:		Portland Cement grout
		ID No.:		CI072	•	onument Ty		
				-	""			Page: 5 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/19/2013 Surface Conditions: Concrete Well Location N/S:

Reviewed by:

27.5' N of S wall Well Location E/W: 36' W of E wall CCC

BORING | DB09 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington



Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

					te Complete	-		After Completion feet bo		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic [Description	Well Construction Detail
5		2 1 2 5 7 9	100	0.0	DB09-05	SM (FILL)		Damp, very loose, silty S brick fragments, dark bro hydrocarbon odor (25-65) Damp, medium dense, si brick fragments, dark bro hydrocarbon odor (25-65)	ty SAND with gra	r
15 Drillir	ng Co	./Drille	r: Ca	ascade	w	Vell/Auger Di	iameter:	1/4.25 inches	Notes/Comm	ents:
Drillin	g Eq	uipmer	nt: H	SA	N	Vell Screene	d Interval:	feet bgs		
Samp				ames and Moor	-	icreen Slot S	_	inches		
		ype/We ig Dept		-		ilter Pack Us Surface Seal:		 Concrete		
		ւց Depi Depth:	n: 70		-	uriace Seal: Innular Seal:		Grout		
		ID No.:		· -	•	Initial Seal. Ionument Ty			Page:	1 of 5
						,	•		rage.	1015



70.5

feet bgs

Annular Seal:

Monument Type:

Grout

Total Well Depth:

State Well ID No.:

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

36' W of E wall

3/19/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING | DE

DB09

Site Address: 700 Dexter Avenue North Seattle, Washington

 \bigvee

Water Depth At
Time of Drilling

15 feet bgs

Water Depth
After Completion --

-- feet bgs

2 of 5

Page:

						<u> </u>		•	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
- - -		50/6	30	0.0	DB09-15	SM		Wet, very dense, silty SAND with gravel, ligh brown, no solvent or hydrocarbon odor (30- 10).	nt 60-
20 —		10 8 6	100	0.0	DB09-20	SM		Wet, medium dense, silty SAND with gravel brown, no solvent or hydrocarbon odor (25-15).	light
25 —		17 50/6	50	0.0	DB09-25	SM		Wet, very dense, silty SAND with gravel, ligi brown, no solvent or hydrocarbon odor (35- 10).	1t
	na Cr	./Drille	r: C:	ascade	w	/ell/Auger D	iameter:	1/4.25 inches Notes/Comme	nts:
		uipmer		SA		/ell Screene			
Samp	-	-		ames and Moor		creen Slot S		inches	
		ype/We	ight: 14	10	lbs F i	ilter Pack U	sed:		
		ng Dept			feet bgs S	urface Seal:	:	Concrete	
Total	Wall	Donth.	70	1.5	foot bas	nnular Caal		Crout	ı



70.8

70.5

feet bgs

feet bgs

Surface Seal:

Annular Seal:

Monument Type:

Concrete

Grout

Total Boring Depth:

Total Well Depth:

State Well ID No.:

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

CCC

3/19/2013

Reviewed by:

Date Completed:

BORING | DB09 LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

 \bigvee

Water Depth At Time of Drilling

15 feet bgs

Water Depth

After Completion -- feet bgs

3 of 5

Page:

				Da	te Completed	: 3/19/	2013	Alter Completion	leet bys
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).	
-		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). Collected water sample 20130319-DB09-40.	
40		50/2	10	0.0	DB09-40	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-60-10).	
Drillin Drillin Samp	g Eq ler T	o./Drille uipmer ype: ype/We	nt: HS Da	ascade SA ames and Moor	e We	ell/Auger D ell Screene reen Slot S ter Pack U	d Interval: Size:	1/4.25 inches: feet bgs inches	



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/19/2013 Surface Conditions: Concrete 27.5' N of S wall Well Location N/S: Well Location E/W: 36' W of E wall

CCC

3/19/2013

Reviewed by:

Date Completed:

DB09

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

BORING

LOG

feet bgs

L				Da	te Completed	0/10/	2013	7 ator completion	1001 090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45 -		50/6	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	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	0.0	DB09-55	ML		Damp, hard, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-45-5).	
Drillin Drillin Samp	g Eq ler T		nt: H D	ascade SA ames and Moor	e Sc	ell/Auger D ell Screene reen Slot S	d Interval: Size:	inches	
Total Total	Borii Well	ype/We ng Dept Depth: ID No.:	t h: 70).8).5	feet bgs Su feet bgs An	ter Pack Us Irface Seal: Inular Seal: Inument Ty	: :	Concrete Grout	4 - 4 5
	011				.,,,		,,,,,,	Page:	4 of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/19/2013 Surface Conditions: Concrete 27.5' N of S wall Well Location N/S:

36' W of E wall

3/19/2013

CCC

Well Location E/W:

Date Completed:

Reviewed by:

BORING | **DB09** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

15 feet bgs

Water Depth After Completion --

				Da	te Complete	J. 3/13/	2013	7 ator completion	loct bgo
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
		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 —	X	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.	
Drillir Drillir Samp Hamn Total Total	ig Eq ler T ner T Borii Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: H Deight: 14 th: 70	0.8 0.5	e Sollbs Fi feet bgs Ar	ell/Auger Di ell Screene creen Slot S lter Pack Us urface Seal: nnular Seal: onument Ty	d Interval: Size: sed:	inches Concrete Grout	of 5



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/24/2013 Surface Conditions: Concrete

180' S of N wall Well Location N/S: Well Location E/W: 19' E of W wall Reviewed by: CCC Date Completed: 3/24/2013 BORING | DB10 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth
After Completion --

feet bas

				Da	te Complete	d: 3/24/	2013		After Completion	feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic [Description	Well Construction Detail
0		226 999	100	6.8	DB10-05	SM (FILL)		Moist, loose, silty SAND of hydrocarbon odor (25-65-	with gravel, brown, no 10). Fill material. SAND with gravel, dor (45-45-10).	
	_	./Drille uipmer		ascade/David SA		/ell/Auger D /ell Screene		1/4.25 inches feet bgs	Notes/Comments:	
Samp				ames and Moor	I	creen Slot S		inches		
	Hammer Type/Weight: 140 lbs					ilter Pack Us				
		ng Dept				urface Seal:		Concrete		
		Depth:				nnular Seal				
		ID No.:			٠ ١	Ionument Ty			Page: 1	of 5



State Well ID No.:

Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 3/24/2013 Surface Conditions: Concrete 180' S of N wall Well Location N/S:

19' E of W wall

3/24/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

BORING | LOG

DB10

Site Address: 700 Dexter Avenue North Seattle, Washington

Page:

2 of 5

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 C	Well construction Detail
- - -		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).	
		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 — - - - 30		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).	
Drillin Samp	Orilling Co./Driller: Cascade/David HSA Dampler Type: Dames and Moore Hammer Type/Weight: 140 lbs					ell/Auger D ell Screene reen Slot S ter Pack U	d Interval: Size:	1/4.25 inches feet bgs inches	
Total Total	Hammer Type/Weight: 14 Fotal Boring Depth: 70 Fotal Well Depth:).5	feet bgs Su feet bgs An	rface Seal	: :	Concrete	

Monument Type:



Total Well Depth:

State Well ID No.:

feet bgs

Annular Seal:

Monument Type:

Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/24/2013 Surface Conditions: Concrete 180' S of N wall Well Location N/S:

19' E of W wall

3/24/2013

CCC

Well Location E/W:

Date Completed:

Reviewed by:

BORING | **DB10** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

3 of 5

Page:

								,
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description Well Construction Detail
-		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 (55-45-5).
40 — - - 45		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.
Drillir	ng Co	./Drille	r: Ca	ascade/David	V	Well/Auger Di	ameter:	1/4.25 inches Notes/Comments:
Drillin	ng Eq	uipmer	nt: H	SA	V	Well Screened	d Interval:	- I
Samp				ames and Moor		Screen Slot S		inches
		ype/We				Filter Pack Us		
Total	Borii	ng Dept	t h: 70	.5	feet bgs S	Surface Seal:		Concrete
T-4-1	\A/~!!	D = == 41:						l l



Total Well Depth:

State Well ID No.:

Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/24/2013 Surface Conditions: Concrete 180' S of N wall Well Location N/S:

19' E of W wall

3/24/2013

CCC

Well Location E/W:

Reviewed by:

feet bgs

Annular Seal:

Monument Type:

Date Completed:

BORING | **DB10** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

feet bgs

4 of 5

Page:

					р	0/2 1/1			
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e 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 odo (55-40-5).	
	~ ^-	/Drille	. ^	aggada/Dayiid		Noll/Arrest D	omoto::	1/4.25 inches Notes/Comments:	
		./Drille uipmer		ascade/David SA		Well/Auger Di Well Screene			
Samp				ames and Moor		weii Screene Screen Slot S		inches	
1						Screen Siot S Filter Pack Us		IIICHES	
		ype/We							
		ng Dept	: /0		٠ ١	Surface Seal:		Concrete	



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 3/24/2013 Surface Conditions: Concrete 180' S of N wall Well Location N/S:

19' E of W wall

3/24/2013

CCC

Well Location E/W:

Date Completed:

Reviewed by:

BORING | DB10 LOG

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
65 —		50/6	50	28.9	DB10-65	ML		Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0). Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0). Damp to moist, hard SILT with fine sand, gray, no	
Drillin Samp Hamn Total	g Eq ler Ty ner T Borir	./Drille uipmer ype: ype/We	r: Ca ht: H: Da ight: 14 h: 70	ascade/David SA ames and Moor	e So Ibs Fi	ell/Auger Di ell Screene creen Slot S lter Pack Us urface Seal:	d Interval: iize: sed:	Boring terminated at 70.5 feet below ground surface (bgs). Collected water sample 20130401-DB10-70. 1/4.25 inches Notes/Comments:	
	otal Well Depth: feet bgs tate Well ID No.:			٠ ١	nnular Seal: onument Ty		Page: 5	of 5	
	ate well ID No.:								



 Project:
 700 Dexter

 Project Number:
 0797-001

 Logged by:
 RAH

 Date Started:
 04/02/2013

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 | DB11 LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

L				Da	ite Complet	tea: 04/02	2/2013	Alter Completion	leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic Description	Well Construction Detail
0		7 1 15 50/6	100 50	0.0 0.0	DB11-05	SM SM	iameter-	Damp, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (1 70-15). Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-65-15).	
	_	uipmer		Jascade/David HSA		Well/Auger Di			
Samp				Dames and Moor		Screen Slot S		inches	
		ype. ype/We				Filter Pack Us	-		
		ype/we 1g Dept				Surface Seal:			
		Depth:			· ·	Annular Seal:		Bentonite	
					٠ ا				
State	well	ID No.:	-	· -		Monument Ty	/pe:	Page:	1 of 4



State Well ID No.:

Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 04/02/2013 Surface Conditions: Concrete

Date Completed:

18.5' N of S wall Well Location N/S: Well Location E/W: 14' E of W wall Reviewed by: CCC

04/02/2013

BORING | **DB11** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -feet bgs

2 of 4

Page:

<u> </u>					Te Complete	04/02	2/2013		- I man somplemen	1001.090
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic D	escription	Well Construction Detail
- - -		43 50/5	75	0.0	DB11-15	SM		Damp, very dense, silty Sabrown, no solvent or hydr 10).	AND with gravel, light ocarbon odor (15-75-	
		31 50/3	50	0.6	DB11-20	SM		Moist, very dense, silty SA brown, no solvent or hydr 10).	ND with gravel, light ocarbon odor (40-50-	
25 —		50/6	50	2.4	DB11-25	SM		Moist, very dense, silty SA brown, no solvent or hydr	ND with gravel, light ocarbon (40-50-10).	
	ng Co	o./Drille	r: C	Cascade/David	v	Vell/Auger Di	iameter:	/4.25 inches	Notes/Comments:	
		uipmer		ISA	v	Vell Screene	d Interval:			
Samp				ames and Mooi		Screen Slot S		inches		
		ype/We		40 5.5		ilter Pack Us Surface Seal:				
		Depth:			9	Annular Seal:		Bentonite		
1					3- 1-					

Monument Type:



Surface Conditions: Concrete 18.5' N of S wall Well Location N/S: Well Location E/W: 14' E of W wall Reviewed by: CCC **Date Completed:**

04/02/2013

BORING | **DB11** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

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).	
		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).	
45		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).	
Drillin Drillin Samp Hamn Total	g Eq ler T ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: H ^t Di sight: 14 th: 55	i.5	e Sc Fill feet bgs An	ell/Auger Di ell Screene reen Slot S ter Pack Us rface Seal: nular Seal:	d Interval: Size: sed:	/4.25 inches feet bgs inches sinches Bentonite Page:	3 of 4



 Project:
 700 Dexter

 Project Number:
 0797-001

 Logged by:
 RAH

 Date Started:
 04/02/2013

Date Completed:

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

04/02/2013

BORING | DB11 LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Da	te Complete	u. 04/02	2/2013	7 itor completion	1001.095
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). 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.	
Drillir Drillir Samp Hamr Total Total	ng Eq oler T ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: H5 Da eight: 14 th: 55	.5	e Silbs Fifeet bgs A	/ell/Auger Di /ell Screene creen Slot S ilter Pack Us urface Seal: nnular Seal: lonument Ty	d Interval: Size: Sed:	inches Bentonite	4 of 4



Surface Conditions: Concrete 89' S of N wall Well Location N/S: 117' E of W wall Well Location E/W: Reviewed by: CCC

BORING | DB12 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

					te Complete	d: 04/03	3/2013		After Comp	l etion feet b	ogs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic	Description	We Constru Det	uction
0		10 10 10 10 11	100	0.0	DB12-05	SP (FILL)		Damp, medium dense, resilt, brown, no solvent of 90-0). Fill material. Damp, medium dense, resilt and gravel, brown, rehydrocarbon odor (10-8)	nedium to fine SAI to solvent or 0-10). Fill material	ND with	
1	-	./Drille uipmer		ascade/David SA		/ell/Auger Di /ell Screene		/4.25 inches		ents:	
Samp				ames and Moor		creen Slot S		inches			
Hamn	ner T	ype/We		-		ilter Pack Us	sed:				
Total	Borir	ng Dept			0	urface Seal:					
		Depth:			•	nnular Seal:					
State	Well	ID No.:			M	lonument Ty	/pe:		Page:	1 of 4	



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

117' E of W wall

04/03/2013

CCC

Well Location E/W:

Reviewed by:

Date Completed:

Site Address: 700 Dexter Avenue North
Seattle, Washington

BORING | DB12

LOG

Water Depth At
Time of Drilling

feet bgs

Water Depth

After Completion -- feet bgs

	1	=			•					
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Descrip	iption	Well Construction Detail
15 - -		3 5 8	100	110.9	DB12-15	SM		Wet, medium dense, silty SAND brown, no solvent or hydrocarbo 20). Set temporary screen at 15 feet water sample 20130403-DB12-15	on odor (30-50- bas. Collected	
20 —		9 9 9	100	82.0	DB12-20	ML		Moist, very stiff, SILT with fine s brown mottling, no solvent or hy (60-40-0).	sand, gray with ydrocarbon odor	
25 —		7 6 5	100	75.1	DB12-25	ML		Moist, stiff, SILT with fine sand, solvent or hydrocarbon odor (60	brown, no 0-40-0).	
Drillin Samp Hamn Total Total	g Equation E	./Drille uipmer /pe: ype/We ig Dept Depth: ID No.:	nt: HS Da sight: 14 th: 45	.5	e Sc lbs Fill feet bgs Su feet bgs An	ell/Auger Di ell Screene reen Slot S ter Pack Us rrface Seal: nular Seal: onument Ty	d Interval: Size: sed:	feet bgs inches	otes/Comments:	2 of 4



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete

Date Completed:

Surface Conditions: Concrete
Well Location N/S: 89 S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC

04/03/2013

BORING | DB12 LOG |

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

				Du	te Completed	04/00	5/2013	7 ittel Completion	1001.095
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
		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 5	100	13.4	DB12-35	SM-GM		Wet, loose, silty sandy GRAVEL, brown, no solvent or hydrocarbon odor (30-40-30).	
40 — - - - 45		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).	
Drillir Drillir Samp	ng Eq oler T	o./Drille uipmer ype: ype/We	nt: H	ascade/David SA ames and Moor	e We	ell/Auger Di ell Screene creen Slot S ter Pack Us	d Interval: Size:	/4.25 inches feet bgs inches	<u> </u>
Total Total	Borii Well	ng Dept Depth: ID No.:	t h: 45	5.5	feet bgs Su feet bgs An	irface Seal: inular Seal: onument Ty	: :	Page: 6	3 of 4
						,	•	Page:) UI 4



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete

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 | DB12 LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

					· · · · · · · · · · · · · · · · · · ·	0 1/00				
Depth (feet bgs)	Interval	田	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Descr	iption	Well Construction Detail
45	X	50/6	50	75.1	DB12-45	SM		Down your dames - 11: CAND	with august	
45		50/6	50	75.1	DB12-45	SM		Damp, very dense, silty SAND on hydrocarbon odor (35-50-15 Set temporary screen from 40 the Collected water sample 201304 Boring terminated at 45.5 feet the surface (bgs).). o 45 feet bgs. 03-DB12-45.	
-										
60								<u> </u>		
		./Drille		Cascade/David		Vell/Auger D		I	otes/Comments:	
		uipmer		HSA	I .	Vell Screene		feet bgs		
Samp				Dames and Moor	e S	Screen Slot S	Size:	inches		
		ype/We				ilter Pack Us				
		ng Dept				Surface Seal:				
					I .					
		Depth:			- 1	nnular Seal				
State	Well	ID No.:	-	-	N	Monument Ty	/pe:	P	age:	4 of 4



Surface Conditions: Concrete 45.8' N of S wall Well Location N/S: Well Location E/W: 63.8' W of E wall Reviewed by: CCC

BORING | DB13 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

					te Complete	d: 04/03	3/2013		After Comp	letion feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologi	ic Description	Well Construction Detail
5		1 2 3 7 8 9	100	0.0	DB13-05	ML		Moist, medium stiff, si brown, no solvent or h 10). Moist, very stiff, SILT brown, no solvent or h 10).	with fine sand and g	ravel, 0-30-
	_	./Drille uipmer		ascade/David SA		ell/Auger Di ell Screene		/4.25 inche		ents:
Samp				ames and Moor		creen Slot S		inche		
Hamn	ner T	ype/We				Iter Pack Us	sed:			
Total	Borin	g Dept			9	urface Seal:				
		Depth:			٠ ١	nnular Seal:				
State	Well	ID No.:			M	onument Ty	pe:		Page:	1 of 4



Surface Conditions: Concrete 45.8' N of S wall Well Location N/S: Well Location E/W: 63.8' W of E wall Reviewed by: CCC

BORING | DB13 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

					te Completed	: 04/0:	, 3/2013	Water Depth After Completion	feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class		Lithologic Description	Well Construction Detail
20		10 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.	
-		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.	
		./Drille uipmer		ascade/David SA		ell/Auger D ell Screene		/4.25 inches Notes/Comments:	

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.:

Screen Slot Size: Filter Pack Used:

Surface Seal:

Annular Seal:

Monument Type:

inches

Page:

2 of 4



Surface Conditions: Concrete 45.8' N of S wall Well Location N/S: Well Location E/W: 63.8' W of E wall Reviewed by: CCC

04/03/2013

Date Completed:

BORING | DB13 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth

After Completion -feet bgs

				ра	te Complet	ea: 04/03	3/2013	-	Aitel Colliple	etion leet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Des	ecription	Well Construction Detail
30 -		50/6	50	18.4	DB13-30	SM		Damp, very dense, silty SAN cohesive, no solvent or hydr 10).	D with gravel, ocarbon odor	gray,
35		50/6	50	40.2	DB13-35	ML		Damp, hard SILT with fine sa cohesive, gray, no solvent of (50-40-10).	nd and gravel, r hydrocarbon	dodor =
40		50/6	50	3.4	DB13-40	ML		Damp, hard SILT with fine sa cohesive, gray, no solvent of (50-40-10).	ind and gravel, r hydrocarbon	dodor = = = = = = = = = = = = = = = = = = =
45		72.11						4.05		
	_	./Drille		ascade/David		Well/Auger Di		/4.25 inches	Notes/Comme	ents:
		uipmer		ISA		Well Screene		·		
Samp				ames and Moor		Screen Slot S	-	inches		
		ype/We		-		Filter Pack Us Surface Seal:				
		ng Dept			· ·					
		Depth: ID No.:			٠ ا	Annular Seal: Monument Ty		 		0.11
Jaie	well	יסוו טו:		-		wonunient Ty	ηe.		Page:	3 of 4



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 04/03/2013

Surface Conditions: Concrete 45.8' N of S wall Well Location N/S: Well Location E/W: 63.8' W of E wall Reviewed by: CCC

BORING | DB13 LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Water Deput....
Time of Drilling

feet bgs

Water Depth After Completion --

				te Completed	-			After Completion feet bgs			
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID			Graphic		Lithologic Description	Well Construction Detail
45	\bigvee	50/6	50	2.0	DB13-45	ML	П		Τ.	Asiat hand aller fine CAND and annual many	
-									S	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 —											
-											
Drillin Samp Hamn Total Total	rilling Co./Driller: Cascade/David rilling Equipment: HSA ampler Type: Dames and Moore ammer Type/Weight: 140 lbs otal Boring Depth: 45.5 feet bgs otal Well Depth: feet bgs				e Score Fill feet bgs Su	ell/Auger Di ell Screene creen Slot S ter Pack Us irface Seal:	d In Size sed	terva :		/4.25 inches feet bgs inches inches	
State	State Well ID No.:					onument Ty	/pe:			Page: 4	l of 4



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 04/04/2013 Surface Conditions: Asphalt

26' S of N property boundary Well Location N/S: Well Location E/W: 37' W of E property boundary

Reviewed by: CCC Date Completed: 04/04/2013 BORING | **DB14** LOG

Site Address: 700 Dexter Avenue North Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion --

L				Da	te Complet	ea: 04/04	4/2013	Alte	Completion	reet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Description	n	Well Construction Detail
5— - 10— - 15 - 15		1 2 3	100		DB14-05	ML (FILL)		Moist, loose, SILT with fine sand, grasolvent or hydrocarbon odor (60-40-material. Wet, loose, SILT with fine sand and wood waste, black, moderate hydroc Fill material.	trace gravel,	
	_	./Drille		ascade/David SA		Well/Auger Di Well Screene		/4.25 inches Notes/0	Comments:	
Samp		uipmer voe:		ames and Moor		weii Screene Screen Slot S		inches		
		ype. ype/We				Filter Pack Us	-	inches		
		ype/we ìg Dept				Surface Seal:		 Concrete		
					٠ ا					
		Depth:			•	Annular Seal:		Bentonite		
State	Well	ID No.:				Monument Ty	/pe:	Page:		1 of 4



Project: 700 Dexter Project Number: 0797-001 Logged by: RAH Date Started: 04/04/2013

Surface Conditions: Asphalt 26' S of N property boundary 37' W of E property boundary

Well Location E/W: Reviewed by: CCC **Date Completed:** 04/04/2013 BORING | **DB14** LOG

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
- - -		2 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).	
Drillin Samp Hamn Total Total	g Eq ler T ner T Borir Well	o./Drille uipmer ype: ype/We ng Dept Depth: ID No.:	nt: HS Da sight: 14 :h: 46	.5	e Sollbs Fifeet bgs Arfeet bgs Arfeet bgs	/ell/Auger D /ell Screene creen Slot S ilter Pack Us urface Seal: nnular Seal: lonument Ty	d Interval: Size: sed: :	/4.25 inches feet bgs inches Concrete Bentonite Page: 2	2 of 4



Project: 700 Dexter **Project Number:** 0797-001 Logged by: RAH Date Started: 04/04/2013

Surface Conditions: Asphalt 26' S of N property boundary Well Location N/S: Well Location E/W: 37' W of E property boundary

Reviewed by: CCC **Date Completed:** 04/04/2013



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
35		7 10 12	100		DB14-30	SM		Damp, very dense SILT with fine sand, light brown, no solvent or hydrocarbon odor (55-45-0). 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).	
Drilli	ng Eq	o./Drille Juipmer Type:	nt: H	ascade/David SA ames and Moor	w	/ell/Auger Di /ell Screene creen Slot S	d Interval:	/4.25 inches feet bgs inches	
Hami Total Total	mer T Borii Well	ype/Weng Dept Depth:	th: 46	3.5	feet bgs Si	ilter Pack Us urface Seal: nnular Seal:	:	Concrete Bentonite	
State	Well	ID No.:	:		M	onument Ty	/pe:	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 | DB14 LOG |

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling

feet bgs

Water Depth
After Completion --

		ID No.:			- 1	onument Ty			Page: 4	of 4
		Depth:			- 1	nular Seal:		Bentonite		
		ype/We ng Dept				iter Pack Usurface Seal:		 Concrete		
Samp	ler T	уре:	D	ames and Moor	e So	reen Slot S	Size:	inches		
		./Drille uipmer		ascade/David ISA		ell/Auger D ell Screene			Notes/Comments:	
60 Drillin	\	/Deille	r. ^	accada/Dariid	141	oll/Auges D	iamete:-	/4.25 inches	Notos/Comments:	
_										
_										
-										
-										
55 —										
_										
_										
_										
_										
50 —										
_										
_										
								surface (bgs).	set below ground	
_								Boring terminated at 46.5 fo	eet helow around	
_	$/ \setminus$							20130404-DB14-45.	water sample	
40		11 20 40	100		DB14-45	SM		Moist, very dense, silty SAI hydrocarbon odor (35-65-0 at 45 feet bgs and collected). Set temporary well	
45			100							Detail
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	escription	Construction
ر (د	la Ja	ru m) L		Comple	LISCS	<u>.</u> 2			Well



Project: 700 Dexter Property

11/02/15

Project Number: 0797-001-02

Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete

Surface Conditions: Cor Well Location N/S: --Well Location E/W: --Reviewed by: --

Date Completed:

BORING | IW01 LOG |

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth

	Date Comp					1: 11/02	2/15	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			Fill		Moist, sandy SILT with gravel. Brown and gray Contains brick fragments. No hydrocarbon or solvent odor (60-30-10). Fill.	
5			40	0.0		Fill		Moist, sandy SILT with gravel. Contains pieces asphalt. Mottled gray and orange. No hydrocarbon or solvent odor (60-30-10). Fill.	of
-			40	0.0		SM		Moist, silty SAND with gravel. Medium brown. I hydrocarbon or solvent odor (25-65-10).	No
10						SM		Wet, silty coarse to medium SAND with gravel. Medium brown and gray. No hydrocarbon or solvent odor (30-60-10).	<u></u>
Drillin	g Co	./Drille	r: (Cascade/Zane	W	ell/Auger D	iameter:	inches Notes/Comments:	
Drillin	g Eq	uipmer		Sonic Rig	W	ell Screene	d Interval:	feet bgs (60-30-20): Estimated	percentages by
	Sampler Type: S					reen Slot S		inches volume (clay/silt-sand-	
1	Hammer Type/Weight: lbs F					ter Pack U			
1	3 .				9	ırface Seal:			
1		Depth:	-	-	9	nular Seal:			4 66
State	State Well ID No.:			IVIC	onument Ty	,he.	Page:	1 of 6	
							_		



Project: 700 Dexter Property

11/02/15

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:

BORING | IW01 LOG |

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth

					с ср.с.с.с		_, 10		Ü
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description Well D Water	
_			75	0.1		SP		Wet, SAND with silt. Light gray. No hydrocarbon or solvent odor (10-90-0).	
						CL		Wet, sandy SILT and CLAY. Gray. No hydrocarbon or solvent odor (85-15-0).	
15 —						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 —				0.1		SM-SP		Wet, silty medium to coarse SAND. Light gray. No hydrocarbon or solvent odor (20-80-0).	
			100	0.3		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).	
Drillin	or Co	./Drille	r. C.	ascade/Zane	10/	ell/Auger D	iameter	inches Notes/Comments:	
	_	uipmer		ascade/Zane onic Rig		ell/Auger D ell Screene		fact has	
Samp		-	nt: 50	Jino INIY		reen Slot S		inches (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).	′
1		ype. ype/We				ter Pack U		volume (day/siit-sanu-gravel).	
		ng Dept	_	3		rface Seal:			
1		Depth:				nular Seal			
1		ID No.:				nument Ty	уре:	Page: 2 of 6	
								1 ago. 2 01 0	



Project: 700 Dexter Property

11/02/15

Project Number: 0797-001-02

Logged by: CMP

Date Started: 11/02/15

Surface Conditions: Concrete

Surface Conditions: Cor Well Location N/S: --Well Location E/W: --Reviewed by: --Date Completed: 11/0



Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Detail/ Water Depth
25 —			400	0.7		SM		Moist, sandy SILT with grav brown. No hydrocarbon or s 10).		
_			100			SM		Dry to moist, very dense, sil SILT with gravel. Light gray solvent odor (20-65-15)/(65-2	. No hydrocarbon or	
_				7.9		SM		Dry to moist, gravelly SAND No hydrocarbon or solvent) with silt. Light gray. odor (20-55-25).	
30 —			100			SM		Sluff: Wet, gravelly SAND w with gravel. Light gray. No h solvent odor (20-55-25)/(30-	nydrocarbon or	
-				8.2		ML		Moist, dense, sandy SILT wigravel. Light gray. No hydro odor (35-60-5).		
- 35 —				5.3		SM		Moist to dry, silty SAND with No hydrocarbon or solvent	odor (25-70-5).	
						SM		Moist, silty to clayey SAND gray.No hydrocarbon or sol	vent odor (30-65-5).	
1	_	./Drille		ascade/Zane		/ell/Auger Di		inches	Notes/Comments:	
1		uipmer		onic Rig		ell Screene		feet bgs	(60-30-20): Estimated perce	entages by
Samp	-	-	 iahti			creen Slot S		inches	volume (clay/silt-sand-grave	el).
	Hammer Type/Weight: lbs Total Boring Denth: 66 feet bgs				ilter Pack Us urface Seal:					
1	Total Wall Depth: 66 feet bgs		-	uriace Seai. nnular Seal:		- 				
1	Total Well Depth: feet bgs State Well ID No.:		9	lonument Ty			Page: 3	of 6		
					141		P		Page: 3	of 6



Project: 700 Dexter Property

11/02/15

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:

BORING IN LOG

IW01

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
				7.3		SM		Moist, silty SAND with some gravel. L No hydorcarbon odor (35-60-5).	ight gray.
-				10.9		ML		Moist, dense, sandy SILT with gravel. hydrocarbon or solvent odor (70-25-5)	Gray. No).
45 —				1.4		SM		Moist, dense, silty SAND with gravel. No hydrocarbon or solvent odor (25-7) Moist, silty SAND with gravel. Light gr	70-5). ray. No
Drillin	na Ca	/Drille	r. ^	ascade/Zana		 Well/Auger Di	iameter:	hydrocarbon or solvent odor (30-65-5). omments:
	Orilling Co./Driller: Cascade/Zane Orilling Equipment: Sonic Rig			Well Screene			omments:): Estimated percentages by		
	Sampler Type:			I	Screen Slot S		- (00-30-20)): Estimated percentages by lay/silt-sand-gravel).	
	Hammer Type/Weight: lbs				Filter Pack Us			,	
	Total Boring Depth: 66 feet bgs			feet bgs					
Total	Total Well Depth: feet bgs			9					
I			`			4 of 6			
	State Well ID NO						Page:	1	



Project: 700 Dexter Property

11/02/15

Project Number: 0797-001-02

Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete

Surface Conditions: Con Well Location N/S: --Well Location E/W: --Reviewed by: --

Date Completed:

BORING | IW01 LOG |

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Lithologic Description Well Detail/ Water Depth
- 50 —				3.0		SM SM		Moist, gravelly SAND with silt. Light gray. No hydrocarbon or solvent odor (20-55-25). 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				
Drillin Samp Hamm Total	g Equation E	./Driller uipmen ype: ype/We ng Dept Depth:	it: S ight:	6	lbs I feet bgs	Well/Auger D Well Screene Screen Slot S Filter Pack Us Surface Seals Annular Seals	d Interval: Size: sed:	inches feet bgs (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).
		ID No.:			٠ ا	Monument Ty		Page: 5 of 6



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:

BORING LOG

IW01

Site Address: 700 Dexter Avenue North

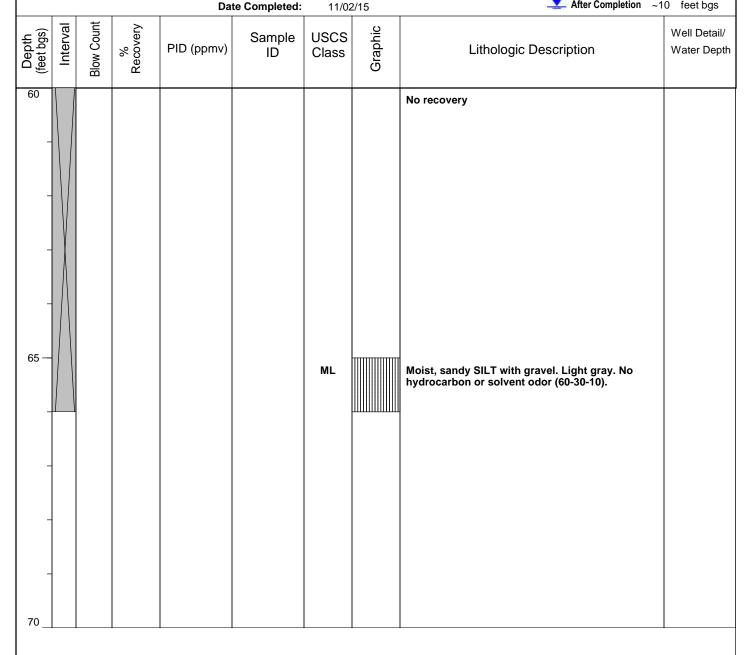
Seattle, WA

Water Depth At Time of Drilling

feet bgs

Water Depth After Completion ~10

feet bgs



Drilling Co./Driller: Cascade/Zane Well/Auger Diameter: inches Notes/Comments: **Drilling Equipment:** Sonic Rig Well Screened Interval: feet bgs (60-30-20): Estimated percentages by Sampler Type: **Screen Slot Size:** inches volume (clay/silt-sand-gravel). Hammer Type/Weight: Filter Pack Used: lbs **Total Boring Depth:** 66 feet bgs Surface Seal: **Total Well Depth:** feet bgs Annular Seal: State Well ID No.: **Monument Type:** Page: 6 of 6



PILOT INJECTION SONIC CORE PHOTOGRAPHS

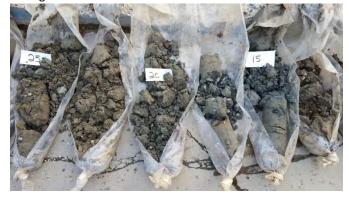
700 Dexter
700 Dexter Avenue North
Seattle, Washington

Project No.: 0797-001-02

Date: November 17, 2015

Drawn By: CMS Chk By: DRAFT





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.



Project: 700 Dexter Property **Project Number:** 0797-001-02

01/15/16

Logged by: GCF/CMP
Date Started: 01/13/16

Surface Conditions: Concrete
Well Location N/S: -Well Location E/W: -Reviewed by: --

Date Completed:

BORING | IW06 LOG |

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

53.5 feet bgs

Water Depth
After Completion --

				Da	ite Completed	1: 01/15	0/16		Aiter Completion	reet bys
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic De	scription	Well Detail/ Water Depth
0						Concrete		Concrete surface.		
_				0.1		Fill		Moist, SAND with gravel. Br or solvent odor (0-70-30). Fi	own. No hydrocarbon II.	
-										
5						Fill		Moist, SAND with gravel. Br or solvent odor (0-70-30). Fi		
-				0.3		Fill		Moist, SAND with gravel and hydrocarbon or solvent odd	d silt. Gray. No or (10-80-10).	
-				0.1		Fill		Moist, SAND with gravel and hydrocarbon or solvent odd	d trace silt. Gray. No or (5-85-10).	
-				0.9						
15 —						Fill		Moist, SAND with gravel and hydrocarbon or solvent odd	d trace silt. Gray. No or (5-85-10).	
Drillin	g Co	./Drille	r: C	ascade/Zane	W	ell/Auger Di	iameter:	inches	Notes/Comments:	
	_	uipmen		onic Rig		ell Screene				ontagos by
Sampl		-		=		creen Slot S		inches	(10-70-20): Estimated perc volume (silt-sand-gravel).	emages by
1	-	ype/We			-	Iter Pack Us			James (Sint Stand graver).	
1	-	g Dept	_			ırface Seal:				
1		Depth:			-	nular Seal:	!			
State '	Well	ID No.:			M	onument Ty	rpe:		Page: 1	of 5



Project: 700 Dexter Property **Project Number:** 0797-001-02

01/15/16

Logged by: GCF/CMP

Date Started: 01/13/16

Surface Conditions: Concrete
Well Location N/S: -Well Location E/W: -Reviewed by: --

Date Completed:

BORING | IV

IW06

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

53.5 feet bgs

Water Depth
After Completion --

	Date Comp				etea: 01/18	5/16		Aiter Completion	reet bys
Depth (feet bgs)	Interval Blow Count	% Recovery	PID (ppmv)	Samp ID		Graphic	Lithologic Descr	ription	Well Detail/ Water Depth
20 —			1.8		SM		Moist, silty SAND. Medium bro	wn and gray. No	
-					SM		hydrocarbon or solvent odor (1) Moist, silty fine to medium SAN	ND with gravel.	
25 —			0.0	IW06-25	SM		Medium brown and grayish. No solvent odor (20-70-10). Moist, dense, silty SAND with on the No hydrocarbon or solvent odo.	gravel. Dark gray.	
30 -			0.0	IW06-30	SM		Moist, dense, silty SAND with one of the No hydrocarbon or solvent odd	gravel. Dark gray. or (20-70-10).	
Drilling	Co./Driller	·· (Cascade/Zane	<u> </u>	Well/Auger Di	iameter:	inches N	lotes/Comments:	
	Equipmen		Sonic Rig		Well Screene				ntagas by
Sample			-		Screen Slot S		- (1	10-70-20): Estimated perce olume (silt-sand-gravel).	ntages by
1	r Type/We		_	lbs	Filter Pack Us			(one odina gravor).	
1	oring Dept	_		feet bgs	Surface Seal:				
	ell Depth:	-		feet bgs	Annular Seal:				
1	ell ID No.:	-	-	.	Monument Ty	/pe:	F	Page: 2	of 5
							1	ago. Z	<u> </u>



Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP

01/15/16

Logged by: GCF/CMP
Date Started: 01/13/16

Surface Conditions: Concrete
Well Location N/S: -Well Location E/W: -Reviewed by: --

Date Completed:

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 --

		Da	te Completed	1: 01/1:	0/16	Aiter Completion	eet bys
Depth (feet bgs) Interval	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic		ell Detail/ ater Depth
-				SM		Moist, dense, gravelly medium SAND with silt. Dark gray. No hydrocarbon or solvent odor (10-70-20).	
35 —		0.0		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).	
45 —		0.0		SM		Moist, silty fine to medium SAND with gravel. Dark gray. No hydrocarbon or solvent odor (25-65-10). Wet, medium to coarse SAND with silt and gravel. Dark gray. No hydrocarbon or solvent odor (10-80-10).	
Drilling Co./Dr Drilling Equip	nent:	Cascade/Zane Sonic Rig	We	ell/Auger D	d Interval:	(10-70-20). Estimated percentage	es by
Sampler Type:				reen Slot S		inches volume (silt-sand-gravel).	
Hammer Type, Total Boring D				ter Pack U: ırface Seal:			
Total Well Dep			٠ ١	ınace Seal. ınular Seal:			
State Well ID N			9	onument Ty		Page: 3 of	5
						1 age. 3 01	



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:



IW06

Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

53.5 feet bgs

Water Depth After Completion --

•• •	Completed:	01/15	5/16	After Completion	feet bgs
PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0.0	N06-50	SM ML		Moist, dense, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-65-10). Moist, sandy SILT with gravel. Dark gray. No hydrocarbon or solvent odor (60-30-10).	
0.0	N06-55	SM SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-60-20). Wet, SAND with silt and trace gravel. Dark gray. No hydrocarbon or solvent odor (10-85-5).	\searrow
0.0	N06-60	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15).	
75 fee	Well Scre Filte et bgs Surfa	Screened en Slot S r Pack Us ace Seal: ular Seal:	d Interval: ize: sed:	inches volume (silt-sand-gravel)	entages by
	PID (ppmv) 0.0 0.0 10 0.0 10 Cascade/Zane Sonic Rig 75 Ibs	PID (ppmv) Sample ID 0.0 IW06-50 Cascade/Zane Sonic Rig Ibs feet bgs Feet bgs Feet bgs Feet bgs Feet bgs Feet bgs Anner Sonic Rig Get bgs Feet bgs Feet bgs Feet bgs Anner Sonic Rig Get bgs Feet bgs Anner Sonic Rig Feet bgs Feet	Date Completed: 01/15 PID (ppmv) Sample ID USCS Class 0.0 IW06-50 ML 0.0 IW06-55 SM SM 0.0 IW06-60 SM SM SM SM SM SM SM SM SM SM	PID (ppmv) Sample ID USCS Class USC	Date Completed: 01/15/16 PID (ppmv) Sample ID USCS Class © Lithologic Description 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 (26-60-20). SM Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (16-30-10). Wet, SAND with silt and trace gravel. Dark gray. No hydrocarbon or solvent odor (10-85-5). SM Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15). Mohydrocarbon or solvent odor (20-65-15). Wet, SAND with gravel. Dark gray. No hydrocarbon or solvent odor (10-85-5). Wet, SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15). SM Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (10-85-5).



Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP

01/15/16

Date Started: 01/13/16 Surface Conditions: Concrete

Well Location N/S: -Well Location E/W: -Reviewed by: --

Date Completed:



Site Address: 700 Dexter Avenue North

Seattle, WA

Water Depth At Time of Drilling

53.5 feet bgs

Water Depth
After Completion --

Sample USCS E Class E Clas E Class E Class E Class E Class E Class E												
SM Moist, silty SAND with gravel. Dark gray. No hydrocarbon odor (25-60-15). SM Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15). SM Wet, gravely SAND with silt. Dark gray. No hydrocarbon or solvent odor (10-85-15). Wet, gravely SAND with silt. Dark gray. No hydrocarbon or solvent odor (10-85-15). Moist, sandy Sil.T with gravel. Gray. No hydrocarbon or solvent odor (55-35-10). Whydrocarbon or solvent odor (55-35-10). End of boring at 75 ft bgs. Temporary injection well Wiso installed to -75 feet bgs. Sinjected into temporary well before the well was abandoned and backfilled with bentonite chips. Well/Auger Diameter: — inches well was abandoned and backfilled with bentonite chips. Well/Auger Diameter: — inches (10-75-20). Estinated percentages by volume (silt-sand-grave). Total Well Depth: — feet bgs (10-75-20). Estinated percentages by volume (silt-sand-grave). Filter Pack Used: — inches (10-75-20). Estinated percentages by volume (silt-sand-grave).	Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)			Graphic	Lithologic De	scription		Well Detail/ Water Depth
SM Wet, gravelly SAND with gravel. Dark gray, No hydrocarbon or solvent odor (20-65-15). Wet, gravelly SAND with silt. Dark gray, No hydrocarbon or solvent odor (10-85-15). 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 bgs. EOS injected into temporary well with bentonite chips. Borilling Equipment: Sonic Rig Sampler Type: Hammer TypeWeight: Ibs Well Screened Interval: feet bgs Screen Siot Size: inches Filter Pack Used: Surface Seal: Surface Seal: Annular Seal: Annular Seal:	65 —	-			0.0	IW06-65	SM		Moist, silty SAND with grav hydorcarbon odor (25-60-15	el. Dark gray. N j).	lo	
ML Moist, sandy SILT with gravel. Gray. No hydrocarbon or solvent odor (10-85-15). MIL 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. Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: Get bgs. Screen Slot Size: inches Scre	70 —				0.0	IW06-70	SM		Moist, silty SAND with grav hydrocarbon or solvent odd	el. Dark gray. N or (20-65-15).	lo	
Drilling Co/Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type:	-	-							hydrocarbon or solvent odd Moist, sandy SILT with grav	or (10-85-15). vel. Gray. No	•	
Drilling Co./Driller: Cascade/Zane Well/Auger Diameter: inches Notes/Comments: Drilling Equipment: Sonic Rig Well Screened Interval: feet bgs Sampler Type: Screen Slot Size: inches Hammer Type/Weight: lbs Filter Pack Used: Total Boring Depth: 75 feet bgs Surface Seal: Total Well Depth: feet bgs Annular Seal:	75 — -	-				IW06-75			End of boring at 75 ft bgs. Twell IW06 installed to ~75 fe into temporary well before	Temporary injected bgs. EOS injusted well was	jected	
Drilling Equipment: Sonic Rig Sampler Type: Screen Slot Size: inches Hammer Type/Weight: Ibs Total Boring Depth: 75 feet bgs Total Well Depth: feet bgs Filter Pack Used: Surface Seal: Feet bgs Annular Seal: Feet bgs Filter Pack Used: Feet bgs Filter Pa		na Co	,/Drille	r: C	ascade/Zane	V	Vell/Auger Di	iameter:	inches	Notes/Commo	ents:	
Sampler Type: Ibs Filter Pack Used: inches Total Boring Depth: 75 feet bgs Total Well Depth: feet bgs												ntages by
Hammer Type/Weight: lbs Filter Pack Used: Surface Seal: Surface Seal: Annular Seal: Surface S					•				•	volume (silt-sand	iateu percei I-gravel).	nages by
Total Well Depth: feet bgs Annular Seal:				_		lbs F	ilter Pack Us	sed:		,	,	
	1			:h: 75								
State Well ID No.: Monument Type: Page: 5 of 5	1		-			٠ ١						
	State	Well	ID No.:			N	Monument Ty	pe:		Page:	5	of 5

SUBMIT ONE WELL REPORT PE	ECTION WELL R		Notice of Intent No.	RE12460
Construction/Decommission	And deposit of the section of		Type of Well	
X Construction			X Resource Pro	otection
Decommission ORIGINAL INST.	ALLATION Notice		Geotechnica	
of Intent Number	TOUT TOUCE	Property Owner		Dexter LLC
		Site Address		00 Dexter
Consulting Firm Sound Eart	Strategies	City Sea	attle Count	
Unique Ecology Well ID Tag No	x- 340	Location 1/4	SW 1/4 NE Sec 3	0 TWN 25N R 4E or ww
ELL CONSTRUCTION CERTIFICATION: 1 const	octed and/or accept responsibility for	Lat/Long (s,t,r Lat I	Deg x	Lat Min/Sec x
onstruction of this well, and its compliance with all w	achington well construction standards	still Required) Long	g Deg x	Long Min/Scc x
faterials used and the information reported above are	rue to my best knowledge and belief			
		Tax Parcel No.		0
Drille Traince Name (Print)	James Goble		14-0-40.	1/9'
Oriller/Trainee Signature	/	Cased or Uncased Di	ameter 8"- 40'-80	Static Level 16
Oriller/Trainee License No.	3131	Work/Decommision	Start Date	3-1-16
f traince, licensed driller's		Work/Decommision	Start Date	3-1-16
ignature and License No.		Work/Decommision	End Date	3-7-110
ignature and License No.		work/Decommision	End Date . J	3- AJ . 4
Construction/Design	We	ell Data 103-16-11	66 For	mation Description
	Blank Casing (dia x dep Material Backfill Type	DR.	FT ///	Sandy Silt- mail graves
	Seal Material Gravel Pack Material Screen (dia x dep)	12. 19/20 Sand 12. 19/20 Sand	FT (Hard) Coars brown	gravely tall ravely Silt 80' FT se to med n clean Sand
	Material Gravel Pack Material	12. 19/20 Sand	FT (Hard) Coars brown	gravely toll ravely Silt 80' FT se to med n clean Sand
	Material Gravel Pack Material Screen (dia x dep) Slot Size	12. 19/20 Sand 2. x 10.	FT (Hard) Coard brown y gray	gravely toll ravely Silt 80' FT se to med n clean Sand
	Material Gravel Pack Material Screen (dia x dep) Slot Size Material	12. 19/20 Sand 2. x 10.	FT (Hard) Coars brown grey Coars gray	gravely toll ravely Silt 80' FT se to med mall to very Small

ECY 050-12 (Recmy 2/01)

Scale I" =

RESOURCE PROTE		EPORT	CURR Notice o	ENT of Intent No.	RE124	.60
Construction/Decommission				Type of Well		
X Construction				X Resource Prote	ection	
Decommission ORIGINAL INSTAL	LATION Notice		ř	Geotechnical S		
of Intent Number		Property Owner	,L		exter LLC	
		Site Address			Dexter	
Consulting Firm Sound Earth	Strategies	City	Seattle	County	K	ing EWM
Unique Ecology Well ID Tag No.	341	Location	1/4 <u>SW</u>	/4 NE Sec 30	TWN 25N R	4E or wwm
WELL CONSTRUCTION CERTIFICATION: I construct	ted and/or accept responsibility for	Lat/Long (s,t,r 1	Lat Deg _	x	Lat Min/Sec	X
construction of this well, and its compliance with all Wash	nington well construction standards	still Required)	Long Deg	x	Long Min/Sec	<u>x</u>
Materials used and the information reported above are true	a to my best knowledge and belief	Tax Parcel No.				
X Driller Trainee Name (Print)	ames Goble	Tall a difession of	1	4"-0'-40	3	
Driller/Trainee Signature		Cased or Uncased	d Diameter	3" 10- 56	Static Level	14'
Driller/Trainee License No.	3131			1		
		Work/Decommis	sion Start Date	3.3.10	0	
If trainee, licensed driller's				4 14 4		
Signature and License No.		Work/Decommis	sion End Date	3-4-1	6	
Construction/Design	W	ell Data 103-16	1100	Possi	ation Descripti	a de la companya de l
	Concrete Surface Seal Depth Blank Casing (dia x dep) Material Backfill Type Seal Material Gravel Pack Material Screen (dia x dep) Slot Size Material Well Depth Backfill	2'x 44' Fre 36' Med. Bent x y 12' 10/20 Jane 10/10 Jane 10/10 Jane 10/10 Jane 10/10 Jane 10/10 Jane	FT FT FT	o Ilo	Judy Sandard Standy Sta	FT Tril FAS Gravell FT
	Material	19/20 Jand				
\(\(\)\(\)\(\)\(\)	Total Hole Depth	56	FT			

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	10	SPT Blows		Moisture Content (%)
0_			1				
5—		FILL: Brown silty SAND with gravel, fine grained, moist. (SM) Cuttings appeared wet between samples.	Loose	•		7	12.4
10 —	Ι	Gray silty SAND with gravel, fine grained, moist. (SM) (Till) Increased drilling resistance at 13 feet.				• 52	11.7
15 —	Ι	Lightly mottled.				83	9.9
20 -	I	DIE	Very Dense			• 50/3"	6.5
25 —	I					• 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 interpeted as being indicative of other areas of the site



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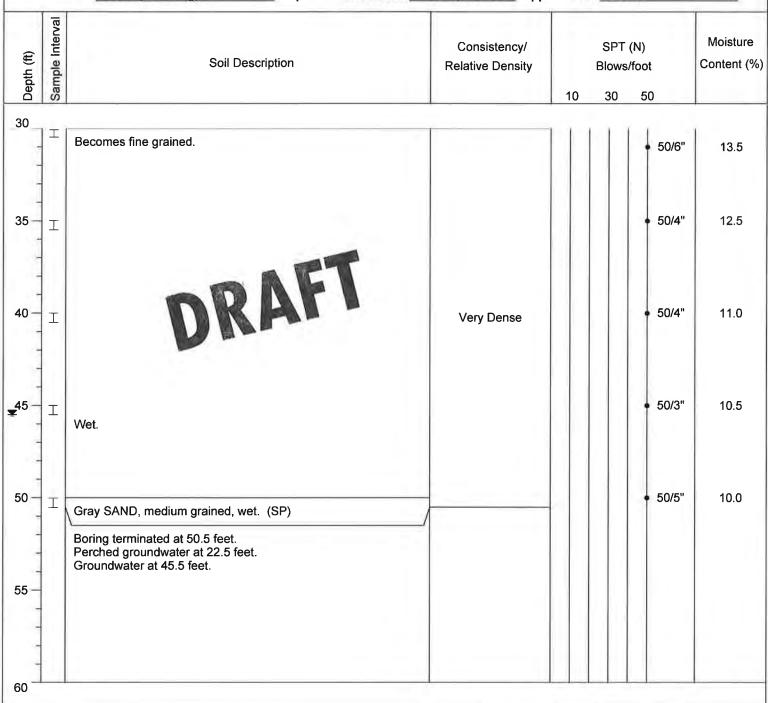
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Figure No. A-2

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



NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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Project: 700 Dexter Avenue

Figure No. A-3

Date Drilled: June 19, 2017 Project No: T-7612 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	10	SP1 Blow	Moisture Content (%)		
0_	(0)			10	30	5	J	1
5—	I	(6-inch CONCRETE SLAB) FILL: Brown silty SAND with gravel, fine grained, moist, silty lenses. (SM)	Medium Dense	•	•		17	10.0
15 —	Ι	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 -	Ι		Medium Dense				22	10.5
25 —	Ι	Gray silty SAND with gravel, fine grained, moist. (SM) (Till)	Very Dense				● 56	12.5
30								

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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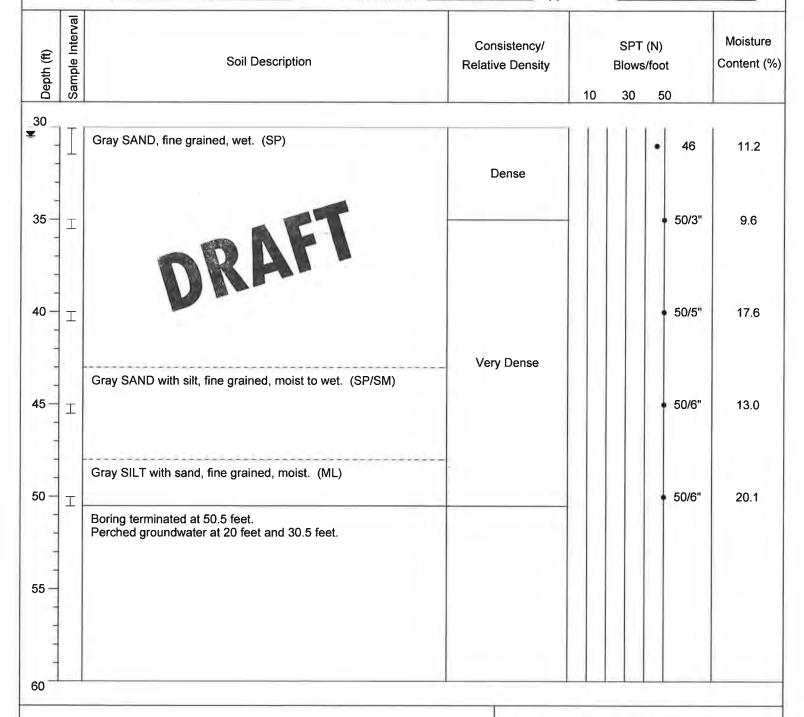
Geology and Environmental Earth Sciences

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



NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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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			Moisture Content (%)				
Dek	Sar				10	30		50		
0_								-		
		(2 to 3 inches ASPHALT) FILL: Gray silty SAND with gravel, fine grained, moist: (SM) Brick fragments								
5-	Ι	FILL: Brown SILT with sandy lenses, fine grained, moist with wet lenses, wood debris. (ML)	Loose	•					7	14.8
10 —	I	DRAFT		•					3	47.2
15 —	I	Daz	Very Loose	•					2	30.2
20 –	Ι	Gray silty SAND with gravel and sandy SILT, fine grained, medium grained SAND lenses, moist. (SM/ML) (Weathered till)							13	18.3
25 —	I	Gray SAND, medium to coarse grained, wet. (SP) (Till, ice contact) Gray sandy SILT, moist. (ML)	Medium Dense						24	13.5
-		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-						
30 –	I	Gray silty SAND and sandy SILT, fine grained, moist. (SM/ML) Gray SAND, medium grained, wet, silty lenses. (SP)					1		53	19.2
35 –	I		Dense to Very Dense					ni ni	45	13.5
-		Tan silty GRAVEL with coarse grained SAND, moist. (GM)	Delise							
40 -	I								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 interpeted as being indicative of other areas of the site



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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	1	PT (N) ws/foot	Moisture Content (%
Dep	San			10 30	50	
45	I	Gray SAND, fine to medium grained, moist to wet. (SP) Tan and gray silty SAND with gravel, moist, mottled. (SM) (Till)			• 50/5"	10.7
50 —	I	Becomes gray.			• 50/5"	10.9
-55 —	I	Wet.			50/6"	
60 —	I	DM	Very Dense		• 50/4"	15.7
65 —	I	Moist.			• 50/3"	12.9
70 —	I				50/3"	10.7
75 —	I				50/6"	9.4
80 –	I	Boring terminated at 80.5 feet. Perched groundwater at 23.5 feet and 55 feet.			• 50/4"	13.9

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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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 Sample Interval Moisture Consistency/ SPT (N) Depth (ft) Soil Description Content (%) Relative Density Blows/foot 10 30 50 0 (6-inch CONCRETE SLAB) FILL: Brown silty SAND with gravel, fine grained, moist. (SM) Metal debris Loose 5 8 12.0 FILL: Gray SAND with gravel and silt, fine to medium grained, moist. (SP-SM) Gray silty SAND and sandy SILT, fine grained, moist to wet. 10 42 9.2 (SM) (Weathered till/ice contact) DRAFT 15 Dense 48 Saturated. 20 41 13.3 Gray silty SAND with gravel and sandy SILT, fine grained, moist, sandy lenses. (SM) (Till) 25 49 12.7 Very Dense 30

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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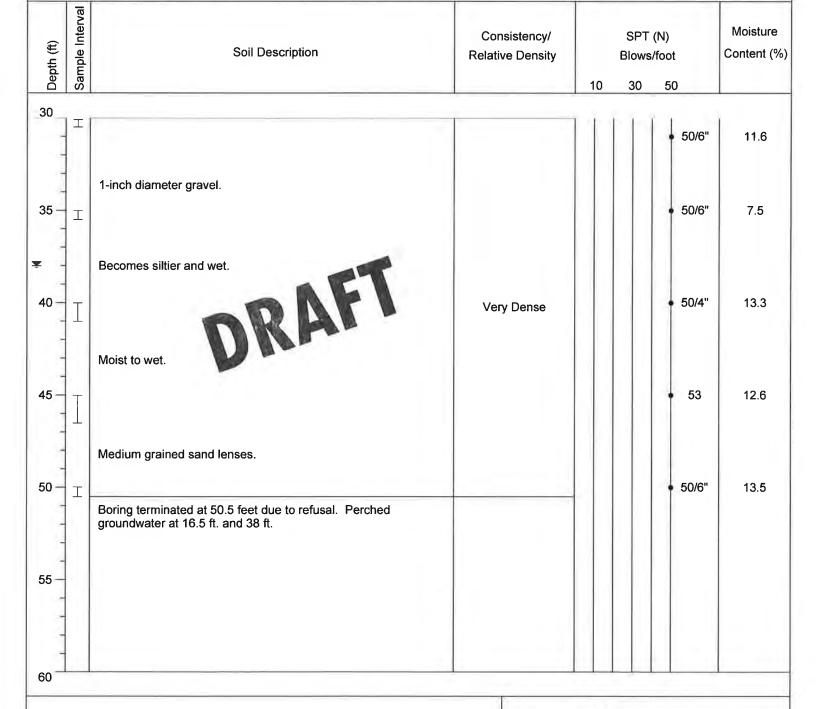
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Figure No. A-5

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



NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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