APPENDIX A2 Boring Logs and Well Installation Diagrams (Previous Investigations)





PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: B-214

Boring Completion	(Mdd) Old	-Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	D 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	10.11	1.000	100		0	Concrete (10 inches)	
					2	BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to subangular to subrounded gravel up to 3-inch diameter, little fines, occasional sub cobbles up to 4-inch diameter, occasional orange staining, air knifed to 7 ft bgs	coars
	0.1						
	2.1				8-		
	3,3				1Ľ.		
	3.9				10-	at 10 feet: no staining	
	C)		00				
	3.5		96		12-		
	3.7				12-		
	1.9						
	5.1	a change			14 -		
	2.7	B-214-15					
	4.5			V	16 -		
	4.0		60		15		
	3.5				18 -		
					123	at 19 feet: slightly coarser sand, few gravel	
Bentonite	4.6				20 —		
Grout	3,4					BROWN SANDY SILT (ML), moist, some fine to medium sand, few fine subroun	ded
	5.3				22 —	gravel, non-plastic	
	4.2				U		
		1.4	1		24 —	GRAY-BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine subrounded gravel up to 1-inch diameter	to coa
	5,1	B-214-25	120				
	3,8	1000	1.1		26 —	1111 at 25 feet: little gravel	
	2.7					BROWN SILT WITH SAND (ML), moist, little fine to coarse sand, non-plastic, fre	quen
	3.2				28 —	GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse	
	4.8				1	subrounded gravel, subrounded cobbles up to 4-inch diameter	
					30 —	GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded to rounded gravel	
	4.5						
	7.9				32 —	at 30 feet: occasional inclusions of medium sand	
	6.4						
	9.0	Datter			34 —		
		B-214-35	120				
	3.8	1.00	1.1		36 —		
	6.9						
	7.6				38 —		
	5.5		1.1				
	3.3				40		
Project: Former Amer Project Number: 141 Site Location: Seattle Logged By: CJD	3.001.02					Total Drilled Depth: 120 Feet Diameter of Boring: 6 inches Drill Date: 09/07/17-09/08/17 Drilled By: Cascade Drilling	



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: B-214

Boring Completion	(MPR) DIA	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Boy Built Lithologic Description		
	4.2 4.3				-			
	4.3				42 -			
	4.8		1.1		44			
	3,2	B-214-45	120		1114			
	3.5				46 —		2	
	1.3 3.4				48	GRAY SILT WITH SAND (ML), moist, little fine to medium sand, non-plastic		
	2.3				40-	GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace fine subangular	to	
	2.3				50 —	subrounded gravel up to 0.75-inch diameter		
	2.9			V		at 50 feet: (sample fell out of sampler during bagging and was collected as dry powd	er)	
	1,4		60		52 —			
	3.1				54			
		B-214-55			21.			
	2.4				56 —			
	3.0				58			
	1.6	100				- 00		
Bentonite			120		60 —	at 60 feet: (sample fell out of sampler during bagging and was collected as dry powd	er;	
Grout	3,1				L:			
	1.9				62 —	•[•[•] GRAY SILT WITH SAND (ML), moist, little fine sand, trace fine subangular to subro	un	
	1.0				64	gravel		
	1.3	B-214-65			-			
	5.5			V	66 —			
	4.9 2.8		60		68	GRAY SANDY SILT (ML), moist, hard, some fine to medium sand, few fine to coarse subangular to subrounded gravel, occasional cobbles	e	
	(e.12				- 00	Subargular to subrounded graver, occasional cobbles		
	3.1				70 —			
	3.7							
	5.0 3.5				72 —	GRAY SILTY SAND (SM), moist, fine to coarse, some fines, few fine to coarse subangular to subrounded gravel up to 2-inch diameter	1	
	4.5				74 -			
	2.1	B-214-75	120					
	5.1		11		76 —			
	7.2				79 -			
	6.0		1.1		10-			
	5.3		- 1		80		_	
Project: Former Amer Project Number: 141 Site Location: Seattle Logged By: CJD	3.001.02					Total Drilled Depth: 120 Feet Diameter of Boring: 6 inches Drill Date: 09/07/17-09/08/17 Drilled By: Cascade Drilling		



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: B-214

Boring Completion	(Mdd) Old	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
	5.4 5.6 1.7			I	82 -		GRAY SANDY SILT (ML), moist, hard, some fine sand, non-plastic	
	2.2 4.9	B-214-85 B-908-100	120		84 -			
	7.1 6.3				86 -		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to rounded gravel, higher moisture content, abundant irregular inclusions of	-
	8.1				88 -	1	GRAY SILT (ML), moist, hard, few fine sand, non-plastic, brown organics	
	7.8 4.3 6.6			Ī	90 — 	GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, little coarse subrounded to rounded gravel up to 2-inch diameter, fine wood organics, flat	e	
	4.8 6.9				94 -			
	6.7	B-214-95	120		96 -			
	6.8 7.0				98 -			
Bentonite	4.5				100 -		at 99 feet: some gravel, occasional irregular inclusions of medium sand, higher moistur content, soil Color-Tec reading <0.003 mg/kg	e
Grout	5,4 4.8			T	102 -		BROWN WOOD, wet (tree trunk?)	
	5.0				104 —		GRAY SAND WITH SILT (SP), wet, fine to medium, few fine to coarse subangular to subrounded gravel up to 1-inch diameter, few fines	
	4.3	B-214-105	120	I.	106 -			
	2.9 2.8				108 —			
	2.5 0.9				110 -		at 110 feet: fine sand, trace gravel	
	1.3				112 -		at 112 feet: brown, abundant orange mottling, intervals of slightly coarser sand up to 6 inches thick	
	0.4 1.5	27120-0			114 -		at 115 feet, gray, fine cand oparties than above	
	1.9 0.9	B-214-115	120		116 —		a i no reet. gray, fine sano coarser than above	
	2.1 1.9	B-214-120			118 -		at 120 feet: soil Color-Tec reading <0.003 mg/kg	
	0.9 2.1 1.9 B-214-120 Former American Linen Supply nber: 1413.001.02.602		120		1		at 115 feet: gray, fine sand coarser than above at 120 feet: soil Color-Tec reading <0.003 mg/kg Total Drilled Depth: 120 Feet Diameter of Boring: 6 inches Drill Date: 09/07/17-09/08/17	



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: B-214

Boring Completion	(MPR) DIA	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
		1.000	1		174		Bottom of Boring at 120 feet bgs. Boring backfilled with bentonite grout.
					122 —		
					-		
					124 —		
				10	126 —		
					-		
					128 —		
					130 —		
					-		
					132 —		
					134 —		
					-		
					136 —		
					138 —		
					140 -		
					140 -		
					142.—		
					-		
					144		
					146 —		
					-	1	
					148 —		
					150 —		
					-		
					152 —		
				5	154 —		
					156 —	1	
					158 —		
	10 		1		160	-	
Project: Former Am Project Number: 14 Site Location: Seatt Logged By: CJD Ecology Well Tag: N	13.001.02 tle, WA	en Supply 2.602					Total Drilled Depth: 120 Feet Diameter of Boring: 6 inches Drill Date: 09/07/17-09/08/17 Drilled By: Cascade Drilling Drill Method: Sonic



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: B-215 1 of 3

Boring Completion	(MPA) OIA	Sample ID	Sample Recovery (in)	Sample Interval	o Depth (Feet)	Difference Difference
					-	Asphalt (4 inches) BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to coars
					2 4 6	subangular to subrounded gravel up to 3-inch diameter, little fines, air knifed to 7 ft bgs
					13	
	3.9		36	Y	8-	at 8 feet: wet
	4.1		121		d, i	at 9 feet; moist
	2.1				10-	
	5.3			V	12-	
			60		-	
	6.3	و الماليو			14-	
	6.6	B-215-15			614	
	7.1		101	V	16	
	9.8		60			at 17 feet: medium sand
	9.1		00		18 —	
	6.7				11	
Bentonite Grout	6.9				20 —	BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse
Citour	9.5				22 -	Subangular to subrounded gravel, mottling
	C.					BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse
	9.8				24	, subangular to subrounded gravel
	10.0	B-215-25	120		1.4	
	7.9		1.1		26 —	
	13.	1.1			117	BROWN SILT (ML), moist to wet, hard, few fine sand, non-plastic, orange mottling
	12.7				28 —	
	17.1 19.2	1.1			20	BROWN SAND WITH SILT AND GRAVEL (SP), moist, fine to medium, little fine
	1.9				30	subangular to subrounded gravel up to 0.75-inch diameter, few fines
	20.2				32 —	
	21.6 22.1	-				at 33 feet: horizon of medium sand 2 inches thick, followed by horizon of coarse sand 1
	23.0 31	B-215-35	120		34 —	inch thick, followed by horizon of dark orange staining 2 inches thick BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, little fine to coarse subangular to subrounded gravel
	6.7				36 —	
	11.8				39 -	.: GRAY SILTY SAND (SM), wet, fine to medium, little fines
	9.6	1.000			30-	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse
	5.8		- 1		40	subrounded to rounded gravel up to 1-inch diameter
	13.001.02 e, WA					Total Drilled Depth: 95 Feet Diameter of Boring: 6 inches Drill Date: 09/12/17 Drilled By: Cascade Drilling Drill Method; Sonic



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: B-215

Boring Completio	c (MPA) Olq	Sample	Sample Recovery (in)	Sample Interval	Depth (Feet)	Lithologic Description	
	2.1	17.1	10.1		19		
	3,7		11.17		42 —		
					-		
	6,8	1.1			44 —		
	5.7	B-215-45	120		i i		
	5.7				46		
	6.8				48-		
						9 feet: slightly coarser sand, grav	el up to 2-inch diameter
	10.4				50		
	9,3 5,1			V	14		
	3,1			V.	52 —	V CILT WITH CAND (ML) mai	st, hard, little fine sand, trace fine subrounded to
	3.8		60		-	ided gravel up to 0.75-inch diam	eter, non-plastic
	4.7				54 —	in hallen hank	de las en este a tracas
	13.6	B-215-55			14	AY SILTY SAND (SM), moist, fir angular to subrounded gravel up	e to medium, some fines, few fine to coarse to 2-inch diameter
	17.1				56 —		
	10.6				1	and have been added	
	10.6 6,7	÷			58 —	B feet: moist to wet, some gravel	up to 3-inch diameter, occasional cobbles
	0,7		-		-		
Bento Grou			120		60 —	1 feet: few gravel	
	10.9				62 -		
	21.4				64		
	46,3	B-215-65	11.15		-	5 fact: call Color Tac reading 0	380 mg/kg
	56.2	1.00			66 —	5.5 feet: soil Color-Tec reading 0	.Sou mg/kg
	27.6				7		
	21.3				68 —		
	18.4		1.1		j i		
	16.4		120		70-		
	12.7				79.		
	13,1				12-	AY SANDY SILT (ML), moist, ha	rd, some fine to medium sand, few gravel, non-pla
	10.1				74 —		
	9.7	B-215-75			1		
	4.1				76 —		
	471				14		
	5.3				78 —	AY SILTY SAND (SM), moist to	
	2.9		120		-	AY SANDY SILT (ML), moist, ha	rd, some fine to medium sand, few gravel, non-plas
Project: Former Project Number: Site Location: Logged By: C.	1413.001.0 Seattle, WA	en Supply 2.602			00	Total Drilled Dept Diameter of Borin Drill Date: 09/1 Drilled By: Cas	g: 6 inches



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: B-215

Boring Completion	(MPA) DIA	Sample ID	Sample Recovery (in)	- Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Bentonite Grout	16.3 22.0 31.5 31.5 14.4 13.8 11.3 12.6 13.1 18.7 9.2	B-215-85 B-909-105	120		82		GRAY SILTY SAND (SM), moist, fine to medium, some fines, fewfine to coarse subangular to subrounded gravel up to 1-inch diameter at 85 feet: soil Color-Tec reading <0.003 mg/kg GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to subrounded gravel GRAY SILTY SAND WITH GRAVEL (SM), wet, fine to medium, some fine to coarse subrounded to rounded gravel up to 3-inch diameter. little fines, occasional cobbles BROWN SAND (SP), wet, fine to medium, few fine to coarse subrounded to rounded gravel, few fines at 95 feet: attempted to collect water sample but couldn't advance sampler, soil Color-T reading <0.003 mg/kg Bottom of Boring at 95 feet bgs. Boring backfilled with bentonite grout



Point No: 24-182



24-210, 211

24-210



24-212



78-651

foot)	_	ASTM SOIL CLASS		SAMPLE TYPE SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS	PIEZOMETER SCHEMATIC	St	(140	d Penetr Ib. weig Blows	ht, 30	drop)		
DEPTH (feet)	SYMBOL	VSTM S	DESCRIPTION '	SAMP	PEN. F	OTHE	PIEZO	0	10	20	30	40	E	50
0-			8 inches concrete pavement.											
-		SM	Dense, brown, silty fine SAND, moist. Scattered gravel.	M 5-1	7-17-16				•		A			
			(FILL)	Ŵ										
5-				S-2	23-50/4*			•						Ī
-		SM	Very dense, gray to brown, silty fine SAND with occasional embedded gravel, moist. (Till-like)	⊠ s-3	27-50/4*			•					>>	
- 10-			(GLACIOMARINE DRIFT)	⊠ s-4	50/6*			•						
-				⊠ \$-5	50/5*			•					>>	
15-				⊠ s-6	49-50/2"								~~~	T
-			· ·	⊠ s-7	50/3*			•					>>	
- 20 -				⊠ s-8	34-50/2"			••••						Ì
				⊠ s-9	50/5		¥						< <	
25-				8-10	37-50/4"		Ā							T
		ML	Very dense, gray, sandy SILT with embedded gravel, wet.	⊠s-11	50/5*								×>	
30-				⊠s-1:	50/5*								~~~	1
			Sampler refusal on cobble.	⊠s-1:	3 30/1*								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
35-		SM	Very dense, gray, silty SAND, moist.	⊠s-14	22-50/2	GS								
	-		(ADVANCE OÚTWASH)	⊠ \$-1	5 34-50/4*				•				>>	
40-]				0	20	40	60	80	- * >	10
								Plas		Water C nit 🕂 —			Limi	t
NOT	'E: Th	is log	of subsurface conditions applies only at the specified loc	ation ar	nd on the d	late in	ndicated			atural W				
C	ar	d the	refore may not necessarily be indicative of other times ar	nd/or loc	ations.				BOR	ING	BE	3- 5		





78-652









FMW-129

LL INSTALLED)		
		Type of Well (select one)
Notice		Geotech Soil Boring
(File)	Property Owner	City of Seattle
545)	Site Address _81	6 mercer ST
*	City Seattle	County King Select One Select One
L constructed and/or	Location NW 1/4-1/	4 5E1/4 Sec 30 Twn 25/R 46
ampliance with all the information reported	LaVLong (s, t, r still REQUIRED)	Lat Deg Lat Min/Sec Long Deg Long Min/Sec
Crawey .	Tax Parcel No2	24900-0006
o will		Dinmeter 2" Static Lovel 42'
		on Start Date 5-13-14
		on Completed Date 5-16-14
J		
W	ell Data	Formation Description
	Ch Dath	Lathanen Banophan
MONUMENT TYP	E	
Flush	A	0.6*
CONCRETE SUR	FACE SEAL	gravel-sand-concrete fill
_2	ft.	
	Sec. 3.	6 .25 ft.
- PVC BLANK	*x 89	<u>6-25 R.</u> dk grey silty sand
		11 1
- Joseph -	40	a
TYPE: # 78	Dontancle	16 . 75 #
		silty sand with intermitten
*		silt Layers
PVC SCREEN	*x 5 ·	Sie - 7
		75 - 118 tt.
		sitty sand med grey
GRAVEL PACK	<u>8 tt.</u>	wet
MATERIAL: 10%	20 CilicA	
	1.	
		118 - 119 the med grey silt w/ gravel
		dry .
		REMARKS
	20	RECEIVED
and the second se	\$9.1.	
WELL DEPTH		
		VEPT OF FCOLOG
1001		UEPT OF ECOLOG
	SUT SIZE: TYPE: PVC SCREEN 2 SLOT SIZE: GRAVEL PACK	Site Address

			LOG OF GEOF	RO	BE								
Date S	tarted	5/14/12	Location South end of utility trench in Dexter no				Ele	evation	: Approx. N	IA feet			
Date C	omple		Broad Street.		T	ypical	Ru	n Leng					
fotal [Depth (Drilling Company: ESN Northwest	-	Н	ole Di	ame	eter: 2 inches					
Depth (ft)	Probe Run	Refer to the ro and probing approxima	Soil Description eport text for a proper understanding of the subsurface mate methods. The stratification lines indicated below represent te boundaries between soil types. Actual boundaries may b ent if soil shifted inside sample tubes during extraction.	the	Depth, ft.	Symbol	PID, ppm	Ground Water	Descr	Number, iption, esults	Depth (ft)		
	TT	CONCRETE				0,			GP-7:0-7				
	1	Dark gray/bro	wn, slightly sandy SILT, trace of gravel; moist; ML.		.5						100		
5	G	Light gray/bro								5			
10	2 G		silty to silty, medium to fine SAND, trace of fine ; SW-SM/SM.		7.8				GP-7:7-11		10		
15		- Refusal at	BOTTOM OF GEOPROBE COMPLETED 5/14/2012 11 feet.								1		
2. (nay hav Groundv consider	e slid down in the l vater level, if indica ed approximate.	NOTES very was low in the upper part of the run, the soil sample ube prior to removal from the ground. ted above, was estimated during probing and should be s and explanation of symbols.		Limil	ted E		onme	ercer West ntal Characte e, Washingto		port		
4. (CT = cor sample;	rrosion test sample GE = geotechnical	; TR = thermal resistivity sample; EN = environmental sample; AR = archeological sample.	ŀ		LOC		of G	EOPROE	BE GP-7			
Ъ		stic Tube - No So stic Tube with So Vo.		-				& WIL	SON, INC.	FIG. A	-8		

			LOG OF GEOPF	ROF	-	_	_	-			
Date S	Started	5/14/12	Location South end of utility trench in Dexter nort	h of				evation	Approx. N	IA feet	
Date (Compl	eted 5/14/12	Broad Street.		Ty	ypical	Ru	n Leng	th 4 feet		
otal	Depth		Drilling Company: ESN Northwest	12	Н	ole D	ame	eter:	2 inches		
Depth (#)	Probe Run	and probing approxima	Soil Description eport text for a proper understanding of the subsurface materia methods. The stratification lines indicated below represent th te boundaries between soil types. Actual boundaries may be ent if soil shifted inside sample tubes during extraction.	nis d e	Ueptn, n.	Symbol	PID, ppm	Ground Water	Sample Descri and R		Danth (ft)
	Ī	CONCRETE		0.			T		GP-8:0-7		
		Gray to dark GP-GW.	gray, slightly to trace of silty, sandy GRAVEL; moist;	0.	,						
		Light brown, s	slightly silty SAND; moist; SP-SM.	- 3.0	C	TE		1.1			
-5	G		wn, slightly to trace of silty, gravelly SAND; moist;	3.1	8				GP-8:7-12		
4	2	11.111	in the second second sources and sources and second se	- 7.	9						
12		Light brown/g	ray, slightly sandy to sandy SILT; moist; ML-SM/ML.								
10	G										
			BOTTOM OF GEOPROBE COMPLETED 5/14/2012	- 12	2.0			ľ,			
15		- Refusal at	12 feet.								
2.	may ha Ground	ve slid down in the l	NOTES ery was low in the upper part of the run, the soil sample ube prior to removal from the ground, ted above, was estimated during probing and should be	Li	mil	ted E		onme	ercer West ntal Character e, Washingto		001
4	CT = cc	prrosion test sample	and explanation of symbols. ; TR = thermal resistivity sample; EN = environmental sample; AR = archeological sample. LEGEND					DF G	EOPROB		
3		astic Tube - No So	bil Recovery	1.1.1	-	ust 20				1-1-21417-	-
Ш	2" Pl - Run	astic Tube with Sc No	il Recovery 👳 Estimated Water Level	S Ge	HA	hnical a	nd Er	wironmen	SON, INC.	FIG. A	-9

				LOG OF GEOPF	OE	BE						
Date S	Started	5/14/12	Location	h end of utility trench in Dexter north		-		Ele	vation	Approx. N	A feet	
)ate (Comple			d Street.		Ту	pical	Ru	n Leng			
otal	Depth	(ft)	Drilling Comp	any: ESN Northwest		Ho	ole Di	ame	eter:	2 inches		
-		19.0			1			-		Linonse	6.0	
Depth (ft)	Probe Run	and probing	eport text for a prop methods. The stra te boundaries betw	Description ber understanding of the subsurface materia atification lines indicated below represent the veen soil types. Actual boundaries may be nside sample tubes during extraction.	is a	nebru, in	Symbol	PID, ppm	Ground Water	Sample I Descri and Re	ption,	Depth (ft)
+	T	CONCRETE			0.5	5			1.7	GP-9:0-7		-
		~ .		dy, gravelly SILT; moist; ML.	- 1.0		Щ					8 4
5	G			ND, trace of silt; moist; SP.	9.	5	5			GP-9:7-14		5-
10	G			of silt; moist; SW.	- 14	1.2				GP-9:14-19		10
15	3	Gray, graven	y SAND, lace t					•				15
		Groubrour	slightly sandy S	SILT: moist: MI	- 1	5.8		•				
	G			edium to fine SAND; moist; SP-SM.	- 10	5.5						
		Gray-brown,		A OF GEOPROBE		9.0						
	5.00		COMPL	ETED 5/14/2012	TINUE	DNE	AT PAG	E	1481			1
2. 3.	may ha Ground conside Refer to	we slid down in the Iwater level, if indica ared approximate. 5 KEY for definition:	tube prior to remov ated above, was es s and explanation c a: TR = thermal res	upper part of the run, the soil sample ral from the ground. timated during probing and should be of symbols. istivity sample: EN = environmental	L	-			ronme Seatt	ercer West ntal Character le, Washingto	n	
-			LEGENI	D	August 2012 21-1-21417-13							
		astic Tube - No S astic Tube with So No		오 Estimated Water Level	-			-		SON, INC.	FIG. A	

						OG OF GE	EOPR	OB	Ξ					
Date	Started	5/1	2/17	Locatio	n E of Existing US	ST in NW Parking	Lot	0	Groun	d El	evation:	Approx.	NA feet	
Date	Comple	eted 5/1	2/17					٦	Гуріса	I Ru	ın Lengt	h 5 feet		
Tota	l Depth	(ft)	10.2	Drilling	Company: <i>Holt</i>			ł	Hole D	iam	eter:	2 inches	1999	
Depth (ft)	Probe Run	Refer to th and prob approxi	ne repol ing mei imate b	rt text for a thods. The poundaries	Soil Descriptic proper understandin stratification lines in between soil types. ed inside sample tub	g of the subsurface i dicated below repres Actual boundaries m	sent the	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc	Number, ription, Results	Depth (ft)
		Olive, c (Fill) Light, gr	ray-bro	Sand (SP); dry. Silty Sand (SM); d Ity Sand (SM); dry TOM OF GEOPF MPLETED 5/12/2	lry. ; slight hydrocarb ROBE	on	3.0 8.0 10.2		0.2	None Observed During Drilling	21416-MB1:9		
-17 R5.9	may have Groundw considere	e slid down ir ater level, if i ed approxima	n the tul indicate ate.	ery was low i be prior to r ed above, w	OTES n the upper part of tr emoval from the grou as estimated during p	ind.				Brc	ad Meg	Corridor Proj gablock Pha , Washingto	se II	
3. 4. 4.	CT = cor sample; (osion test sa	ample; ⁻ hnical s	TR = therm ample; AR <u>LEC</u>	tion of symbols. al resistivity sample; = archeological samp <u>GEND</u>			LO	GO	FC	GEOF	PROBE 2	21417-ME	31
	2" Plas	stic Tube wi						Janu	ary 2	018		2	1-1-21417-20	06
	– Run N	0.						SHA Geoteci	NNO hnical ar	N 8	WILS	ON, INC. Consultants	FIG. A-2	2

	An All An Anna Anna Anna Anna Anna Anna				LOG OF GEO	PR	OB	Ξ					
Date	Started		5/12/17	L	ocation 15 Ft NE of Central Power Pole in N				d El	evation:	Approx.	NA feet	
Date	Comple	eted	5/12/17	1	Parking Lot		-	Гуріса	al Ru	ın Lengt			
Tota	Depth	(ft)	10.0	C	rilling Company: Holt		1	Hole [Diam	eter:	2 inches		
Depth (ft)	Probe Run	and	er to the repo d probing me pproximate b	ort te	Soil Description ext for a proper understanding of the subsurface mate ds. The stratification lines indicated below represent ndaries between soil types. Actual boundaries may b soil shifted inside sample tubes during extraction.	the	Depth, ft.	Symbol	PID, ppm	Ground Water	Desci	Number, ription, Results	Depth (ft)
		Oli Ha Ve	rd, gray-bro	ow	nd Fill with Gravel (SP); dry. n, fine, Silty Sand (SM); dry. gray, Silty Sand (SM); dry; hydrocarbon odor fr BOTTOM OF GEOPROBE COMPLETED 5/12/2017	DOM	- 0.5 - 5.0 - 9.0 - 10.0		0	None Observed During Drilling	21417-MB2:1	0	
<u>2</u> 2.	may have	e slid d ater le	lown in the tu vel, if indicate	be	NOTES was low in the upper part of the run, the soil sample prior to removal from the ground. bove, was estimated during probing and should be				Bro	oad Meg	Corridor Proj gablock Pha , Washingto	se II	
	CT = con sample; (osion BE = g	test sample; ⁻ eotechnical s	TR sam	explanation of symbols. = thermal resistivity sample; EN = environmental ple; AR = archeological sample. <u>LEGEND</u>		LO	GO				21417-ME	B2
			ıbe - No Soil ıbe with Soil		-		Janu	ary 2	018	i.	2	1-1-21417-20	06
	– Run N	0.					SHA Geotec	NNC hnical a	N 8	& WILS	ON, INC. Consultants	FIG. A-3	3

					LOG OF GEOPR	OE	E					
Date	e Startec	i 5/	/12/17	Location SW Corner N	lear Conex Containers			nd Ele	evation:	Approx.	NA feet	
Date	e Comple	eted 5/	/12/17				Туріса	al Ru	un Lengtl			
Tota	al Depth		29.0	Drilling Company: Holt	t		Hole [Diam	eter:	2 inches	C	
Depth (ft)	Probe Run	and prol approx	the repor bbing met	Soil Descrip It text for a proper understan thods. The stratification line	otion nding of the subsurface materials es indicated below represent the es. Actual boundaries may be	Depth. ft.	Symbol	PID, ppm	Ground Water	Sample Desci	Number, ription, Results	Depth (ft)
	3	Asphali Olive, c		Sand (SP) fill with few gr		- 0.5		0.1 0.1	None Observed During Drilling	21417-MB3:1		
1.	In some of may have	cases where e slid down	e recover	ry was low in the upper part of the prior to removal from the g	of the run, the soil sample			M	ercer C	orridor Proje	ect	
	Groundw	vater level, if ed approxim	f indicate nate.	d above, was estimated durin				Bro	ad Meg	ablock Pha Washingto	se II	
-	CT = corr sample; (rosion test s	sample; T chnical sa	ind explanation of symbols. IR = thermal resistivity samp ample; AR = archeological sa <u>LEGEND</u> Recovery	le; EN = environmental ample.						21417- M E	
1 7	2" Plas — <i>Run N</i>	stic Tube w	ith Soil	Recovery	Ļ		uary 2				1-1-21417-20	
	- Run N	0.				SH/ Geote	ANNO chnical a	N 8	vironmental	ON, INC. Consultants	FIG. A-4 Sheet 1 of 2	

					LOG (OF GEOPR	OB	E					
Date	Started		5/12/17	Location SW Co	orner Near Conex	Containers		Grou	nd El	evation:	Approx.	NA feet	
Date	Comple	eted	5/12/17					Туріс	al Ru	ın Lengt	h 5 feet		
Tota	Depth	(ft)	29.0	Drilling Compar	ny: Holt			Hole I	Diam	eter:	2 inches		
Depth (ft)	Probe Run	and	d probing me pproximate b	Soil De t text for a proper un hods. The stratifica oundaries between	escription Inderstanding of the si tion lines indicated bo soil types. Actual bo sample tubes during	elow represent the undaries may be	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc and F	Number, ription, Results	Depth (ft)
	6	-	Iht gray-bro bist.	BOTTOM O	of <i>(SM</i>) with clay le	ense at 25 feet;	- 24.0		0.1		21417-MB3:2	0	
2.	may have Groundw considere	e slid d ater le ed app	lown in the tul vel, if indicate roximate.	be prior to removal fr d above, was estima	ated during probing an				Bro	ad Meg	orridor Proj gablock Pha Washingto	se ll	
3. 4. 3.	CT = corr sample; (osion BE = g	test sample; -	ample; AR = archeol <u>LEGEND</u>	ity sample; EN = envi	ronmental	LO	G O				21417-MI	B 3
	2" Plas	tic Tu	ibe - No Soli ibe with Soil				Janu	ary 2	018		2	1-1-21417-2	06
	- Run N	0.				Γ	SHA Geoteo	Chnical a	N 8	WILS	ON, INC. Consultants	FIG. A-	

		LOG OF GEOP	RO	BE	-					
Date Started	5/12/17	Location SW Corner Near Fill Stockpiles		G	iround	l Ele	evation:	Approx.	NA feet	
Date Comple	eted 5/12/17			Т	ypical	Ru	n Length	5 feet		
Total Depth	(ft) 25.0	Drilling Company: Holt		Н	ole Di	ame	eter:	2 inches		
Depth (ft) Probe Run	Refer to the repo and probing me approximate b	Soil Description t text for a proper understanding of the subsurface material thods. The stratification lines indicated below represent the oundaries between soil types. Actual boundaries may be if soil shifted inside sample tubes during extraction.	s	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc	Number, ription, Results	Depth (ft)
- 1 -	Asphalt.	Sand (SP) fill with few gravels; dry.	0.			0				-
	-	Sand (SM) fill with few gravels; moist. Sand (SM) fill with few gravels; moist.	4.4 5.4			U				
- 2						0				-
- - 10						0				10-
- - - 15	Gray Clay (CH	Ŋ.	15	i.0						- 15- -
-		wn, fine, <i>Silty Sand (SM</i>) with coarse sand lense; rbon odor at 24 feet.	18			0				-
		COI	NTINUED	NEΣ	(11 HAGE		l			
may have 2. Groundwa considere	e slid down in the tul ater level, if indicate ed approximate.	ry was low in the upper part of the run, the soil sample be prior to removal from the ground. In above, was estimated during probing and should be und explanation of symbols.				Bro	ad Meg	orridor Proj ablock Pha Washingto	se II	
4. CT = corr sample; C	osion test sample;	I'R = thermal resistivity sample; EN = environmental ample; AR = archeological sample. <u>LEGEND</u>	L	20	g of	= G	SEOP	ROBE 2	21417- M E	34
	stic Tube - No Soli stic Tube with Soil		Ja	nua	ary 20	18		2	1-1-21417-2	06
<i> Run N</i> ⊈ Ground	o. I Water Level ATD		SH	IAI tech	NNOI nical and	V & d Env	WILSC ironmental (ON, INC. Consultants	FIG. A-	

			A, a faith, and south the		LOG	OF GEOPR	OB	Ξ					
Date	Started		5/12/17	Locatio	on SW Corner Near Fill Ste	ockpiles	(Groun	d El	evation:	Approx.	NA feet	
Date	Comple	eted	5/12/17			,	Ī	ypica	l Ru	ın Lengt			
Tota	Depth	(ft)	25.0	Drilling	Company: <i>Holt</i>		ł	lole D	iam	eter:	2 inches		
Depth (ft)	Probe Run	and	r to the repo probing met pproximate b	rt text for a thods. Th ooundaries	Soil Description a proper understanding of the e stratification lines indicated is between soil types. Actual but ted inside sample tubes during	below represent the oundaries may be	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc	Number, ription, Results	Depth (ft)
	5				TTOM OF GEOPROBE OMPLETED 5/12/2017		25.0		0	During Drilling IA	21417-MB4:2 21417-MB4:G		
2.	may have Groundwa considere	e slid do ater lev ed appr	own in the tul rel, if indicate oximate.	ry was low be prior to ed above, v	<u>NOTES</u> in the upper part of the run, th removal from the ground. was estimated during probing a ation of symbols.				Bro	ad Meg	orridor Proj jablock Pha Washingto	se II	
	CT = corr sample; (osion t GE = ge	est sample; ⁻ eotechnical s	TR = thern ample; AR <u>LE</u>	nal resistivity sample; EN = env = archeological sample. <u>GEND</u>		LOC	9 0	FC	GEOP	ROBE 2	21417-ME	34
	2" Plas	tic Tu	be - No Soil be with Soil				Janu	ary 20	018	8	2	1-1-21417-20	06
	- Run N Ground		Level ATD				SHA Geotech	NNO mical an	N 8	wironmental	ON, INC. Consultants	FIG. A-	

			an an an ann an Anna a		LOG O	F GEOPR	OBI						
Date	Started	l	5/12/17	Location App	proximate Center of W				d El	evation:	Approx.	NA feet	
Date	Comple	eted	5/12/17	1			-	Гуріса	al Ru	un Lengt		"	
Tota	l Depth	(ft)	10.0	Drilling Com	npany: Holt		1	lole [Diam	eter:	2 inches		
	-		10.0	412220	Description				Τ				
Depth (ft)	Probe Run	and ap	probing men proximate b different	rt text for a prope thods. The strat oundaries betwe if soil shifted ins	er understanding of the sub ification lines indicated belo een soil types. Actual bour side sample tubes during e	ow represent the adaries may be ktraction.	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc	Number, ription, Results	Depth (ft)
			re, coarse	Sand (SP) fill v wn, Silty Sand	with little gravels; aspha (<i>SM</i>) with few gravels; OM OF BORING LETED 5/12/2017	alt at 3 inches.	7.0		0	None Observed During Drilling	21417-MB5:9		
1.	In some of may have	ases w e slid do	here recove wn in the tul	ry was low in the be prior to remov	upper part of the run, the se al from the ground.	oil sample					orridor Proj		
2.	Groundw	ater lev ed appro	el, if indicate oximate.		timated during probing and	should be					ablock Pha Washingto		
	CT = corr sample; (rosion te GE = ge	est sample; ⁻ otechnical s	TR = thermal resi ample; AR = arch <u>LEGENE</u>	istivity sample; EN = environ neological sample.		LO	GΟ	FC	GEOF	PROBE 2	21417-ME	35
			be - No Soil be with Soil				Janu	ary 2	018		21	1-1-21417-20	06
	– Run N	0.					SHA Geotec	NNC nnical a	N 8	WILS	ON, INC. Consultants	FIG. A-	6

						LOG O	F GEOPF	ROE	BE						
Date	Started		5/11/17	L	ocation Center Sec	ction, North					d Ele	evation:	Approx.	NA feet	
Date	Comple	eted	5/11/17						Т	ypical	Ru	in Lengt			
Total	Depth	(ft)	15.0	C	Drilling Company: H	lolt			н	ole Di	iam	eter:	2 inches	;	
Depth (ft)	Probe Run	and	r to the repoil probing met	ort t etho	Soil Desc ext for a proper unders ds. The stratification ndaries between soil t soil shifted inside sam	ription standing of the sub lines indicated belives. Actual bour	ow represent the ndaries may be	4	Leptn, π.	Symbol	PID, ppm	Ground Water	Sample	Number, ription, Results	Depth (ft)
-		Oliv	ve, Silty Sa	and				- 2.0			0				
- - 5 - - -	2	Oliv	re, Silty Sa	and	(<i>SM</i>) with trace gra	avels; gray vein	at 9 feet; dry.				0	None Observed During Drilling	21417-MB6:9		
- 10 	3		re, <i>Silty Sa</i> i fusal at 15		<i>(SM</i>) with trace gra	avels; dry.		- 10			0				10
					BOTTOM OF G COMPLETED				.0						
2.	may have Groundw considere	e slid do ater lev ed appr	own in the tub el, if indicate oximate.	ibe ed a	NOTES was low in the upper pa prior to removal from th above, was estimated of explanation of symbol	he ground. during probing and				1	Bro	ad Meg	orridor Proj jablock Pha Washingto	se II	
4. (CT = corr sample; (osion t GE = ge	est sample; ⊺ eotechnical s	TR	= thermal resistivity sa ple; AR = archeologica <u>LEGEND</u>	ample; EN = enviro	nmental	LC	G	i Of	- 0	GEOP	ROBE 2	21417-ME	36
3			be - No Soil be with Soil					Jar	nua	ry 20	18		2	1-1-21417-20	06
	- Run N	0.						SH Geot	IAN techr		V & d Env	wironmental	ON, INC. Consultants	FIG. A-7	7

			LOG OF GEOI	PRO	BE	:					
Date	Started	5/11/17	Location Center Section, South		G	iroun	dEl	evation:	Approx.	NA feet	
Date	Comple				Т	ypica	l Ru	ın Lengt	h 5 feet		
Tota	Depth		Drilling Company: Holt		н	lole D	iam	eter:	2 inches		
Depth (ft)	Probe Run	Refer to the repo and probing me approximate b	Soil Description t text for a proper understanding of the subsurface materia thods. The stratification lines indicated below represent th oundaries between soil types. Actual boundaries may be if soil shifted inside sample tubes during extraction.	als e	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc	Number, ription, Results	Depth (ft)
		Olive, coarse	Sand (SP) fill with some gravel; dry.		<u>ă</u> 2.0		0.3	None Observed During Drilling	21417-MB7:1	1	
1.	may have Groundw	slid down in the tu	NOTES ry was low in the upper part of the run, the soil sample be prior to removal from the ground. rd above, was estimated during probing and should be				Bro	ad Meg	orridor Proj gablock Pha	se II	
3. 4.	Refer to I CT = corr sample; (KEY for definitions a osion test sample;	Ind explanation of symbols. IR = thermal resistivity sample; EN = environmental ample; AR = archeological sample. <u>LEGEND</u> Recovery		.00	G OI			, Washingto PROBE 2	n 21417-ME	37
	2" Plas	tic Tube with Soil		Ja	anua	ary 20	018		21	1-1-21417-2	06
	– Run N	0.		S	HAI eotech	NNO nical an	N 8 d Env	WILS	ON, INC. Consultants	FIG. A-	8

						L	OG OF	GEOP	RC	BB	Ξ						
Date	Started		5/11/17	Locati	ion North o	f Sedime	nt Ponds N	lear 802 Roy	,	G	Ground	d Ele	evation:	Ap	prox.	NA feet	
Date	Comple	ted	5/11/17	1				Di harry		Т	ypica	l Ru	n Lengt	h	eet		
Total	Depth	ft)	28.0	Drillin	g Compan	y: Holt				н	lole D	iame	eter:	2 ii	nches		
Depth (ft)	Probe Run	and	r to the repo probing me pproximate b	rt text for thods. Th ooundarie	Soil Des a proper und he stratificati s between so	scriptio derstanding ion lines ind oil types. A	a of the subsu	urface materials represent the aries may be action.	s	Depth, ft.	Symbol	PID, ppm	Ground Water	Si	Desci	Number, ription, Results	Depth (ft)
_	1	Oliv	/e, coarse	Sand (S	SP) fill with	organics;	dry.					-					-
	2	Oliv		nd (SM)			e gravels; c	r with depth;		1.0 11.0		0 0.1 0.1	None Observed During Drilling				
		0000	hore re		NOTES	r nort of the	o run the sell	sample									
2. 3. 4.	may have Groundwa considere Refer to k CT = corr	slid do ater lev d appr CEY for osion t	own in the tul rel, if indicate oximate. definitions a est sample;	be prior to ed above, and expla TR = ther	o removal fro was estimate nation of sym mal resistivit	om the groun ed during p nbols. y sample; E	robing and sh EN = environn	ould be				Bro	ercer C ad Meg Seattle,	ablock	k Pha	se II	
3	sample; 0 2" Plas	SE = g∉ tic Tul	eotechnical s be - No Soil	ample; A L Recove	R = archeolo <u>EGEND</u> ry	gical sampl	e.						GEOF	ROE		1417-M	
	2" Plas - <i>Run N</i> e		be with Soil	Recove	ry						ary 20					I-1-21417-2	
									G	Beotech	nical an	d Env	vironmental	Consultar	nts	FIG. A-	

				LOG	OF GEOPRO	DBI	_					
Date	Started		5/11/17	Location North of Sediment Pond				d Ele	evation:	Approx.	NA feet	
Date	Comple	eted	5/11/17		-	٦	Гуріса	l Ru	n Lengt	h 5 feet		
Tota	l Depth		28.0	Drilling Company: Holt		ł	Hole D	iam	eter:	2 inches		
Depth (ft)	Probe Run	and p	o the repoi robing met roximate b	Soil Description t text for a proper understanding of the s hods. The stratification lines indicated b oundaries between soil types. Actual bo if soil shifted inside sample tubes during	elow represent the undaries may be	Depth, ft.	Symbol	PID, ppm	Ground Water	Desci	Number, ription, Results	Depth (ft)
- 25 				BOTTOM OF GEOPROBE COMPLETED 5/11/2017		28.0		0.1		21417-MB8:21	7	
1	In some (cases who	ere recove	<u>NOTES</u> ry was low in the upper part of the run, the	soil sample							
-17 R-19 2.	may have Groundw considere	e slid dow ater level ed approx	n in the tul , if indicate kimate.	d above, was estimated during probing an ind explanation of symbols.				Bro	ad Meg	orridor Proj ablock Pha Washingto	se II	:
	CT = cori sample; (rosion tes 3E = geol	st sample; technical s	IR = thermal resistivity sample; EN = envi ample; AR = archeological sample. <u>LEGEND</u>	1	LO	GΟ	FC	GEOF	PROBE 2	21417- M E	38
3 1				Recovery Recovery		Janu	ary 2	018		2	1-1-21417-2	06
	– Run N					SHA Geotec	NNO hnical ar	N 8	WILS	ON, INC. Consultants	FIG. A-9 Sheet 2 of 2	

					LOG O	F GEOPR	OB	E					
Date	Started	l	5/11/17	Location NE Cor	ner			Grour	nd El	evation:	Approx.	NA feet	
Date	Comple	eted	5/11/17					Туріса	al Ru	ın Lengt	h 5 feet		
Tota	Depth	(ft)	25.0	Drilling Compan	y: Holt			Hole [Diam	eter:	2 inches		
Depth (ft)	Probe Run	and p	probing met	Soil De t text for a proper un thods. The stratificat oundaries between s	scription derstanding of the sub- ion lines indicated belo ioil types. Actual bound sample tubes during ex	w represent the daries may be	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc	Number, ription, Results	Depth (ft)
	2	Olive dry.	-brown, k	Vell-graded Grave.	with some gravels; <i>I (GW)</i> with some co	pasre sand;	- 10.0		0.1	During Drilling I∕	21417-MB9:13 21417-MB9:G		
- 7	may have Groundw considere	e slid dov ater leve ed appro:	vn in the tul I, if indicate ximate.	pe prior to removal fro	ed during probing and s				Bro	ad Meg	orridor Proj jablock Pha Washingto	se II	
4.	CT = cori sample; (rosion te GE = geo	st sample; 1	TR = thermal resistivit ample; AR = archeolo <u>LEGEND</u>	ty sample; EN = environ	nmental						21417-ME	
	2" Plas	stic Tube	e with Soil				Janu	uary 2	018		2	1-1-21417-20	06
Į.	- Run N Ground		evel ATD				SH/ Geote	ANNC chnical a	N 8	wironmental	ON, INC. Consultants	FIG. A-1 Sheet 1 of 2	

			LOG OF GEOF	R	DBE	Ξ							
Date Sta	Date Started 5/11/17 Location NE Corner				Ground Elevation: Approx. NA feet								
Date Completed 5/11/17			Typical Run Length 5 feet										
Total Depth (ft)			Drilling Company: Holt		H	lole D	iam	eter:	2 inches				
Depth (ft)		efer to the repoi and probing met approximate b	Soil Description t text for a proper understanding of the subsurface materia hods. The stratification lines indicated below represent the oundaries between soil types. Actual boundaries may be if soil shifted inside sample tubes during extraction.	ls	Depth, ft.	Symbol	PID, ppm	Ground Water	Sample Desc	Number, ription, Results	Depth (ft)		
- 5 5 			BOTTOM OF GEOPROBE COMPLETED 5/11/2017		25.0		0.1		21417-MB9:2	2			
may 2. Grou	have slid Indwater	d down in the tub	NOTES y was low in the upper part of the run, the soil sample be prior to removal from the ground. d above, was estimated during probing and should be			J	Bro	ad Meg	orridor Proj jablock Pha Washingto	se II	1		
4. CT =	- corrosio	on test sample; 1	nd explanation of symbols. 'R = thermal resistivity sample; EN = environmental ample; AR = archeological sample. <u>LEGEND</u>			G OI				21417- M E	39		
1 2"	3 2" Plastic Tube - No Soil Recovery 2" Plastic Tube with Soil Recovery				January 2018 21-1-21417-206								
☐ Run No. 又 Ground Water Level ATD					SHANNON & WILSON, INC. Geotechnical and Environmental Consultants Sheet 2 of 2								

	LOG OF GEOF	PROE	ΒE										
Date Started 5/11/17	Location E Border, Center	cation			Ground Elevation: Approx. NA feet								
ate Completed 5/11/17			Typical Run Length 5 feet										
otal Depth (ft) 30.0	Drilling Company: Holt		Hole Diameter: 2 inches										
E Refer to the report and probing met approximate but	Soil Description t text for a proper understanding of the subsurface materia hods. The stratification lines indicated below represent the oundaries between soil types. Actual boundaries may be		epui, it.	Symbol	PID, ppm	Ground Water	Sample	e Number, cription, Results	Depth (ft)				
5 2 10 3 Light gray, <i>Silt</i>		13.	0	structure and structure an	0 0 0.1	σž							
may have slid down in the tub 2. Groundwater level, if indicated considered approximate.	<u>NOTES</u> y was low in the upper part of the run, the soil sample e prior to removal from the ground. d above, was estimated during probing and should be			ļ	Broa	ad Meg	orridor Proj jablock Pha Washingto	ase II					
3. Refer to KEY for demonstrate		1											
sample; GE = geotechnical sa	R = thermal resistivity sample; EN = environmental ample; AR = archeological sample. <u>LEGEND</u>	LO	G	OF	GI	EOPI	ROBE 2	21417-MB	310				
4. CT = corrosion test sample; T	ample; AR = archeological sample. LEGEND Recovery			OF y 20		EOPI		2 1417-ME 21-1-21417-2					
					LOG	OF GEOPR	OB	E					
------------	-----------------------------------	-----------------------------	--	---	---	---------------------------------------	---	--------	----------	--------------------	--	----------------------------------	------------
Date	Started		5/11/17	Location E Bor	rder, Center			Grou	nd E	levation:	Approx.	NA feet	
Date	Comple	eted	5/11/17				ľ	Туріс	al R	un Lengt	h 5 feet		
Total	Depth	(ft)	30.0	Drilling Compa	any: Holt			Hole	Dian	neter:	2 inches	5	
Depth (ft)	Probe Run	and	er to the repo d probing met pproximate b	Soil D It text for a proper of thods. The stratific oundaries betweer	Description understanding of the s ration lines indicated b n soil types. Actual bo e sample tubes during	elow represent the undaries may be	Depth, ft.	Symbol	PID. nnm	Ground Water	Desc	e Number, ription, Results	Depth (ft)
	5			COMPLE	OF GEOPROBE TED 5/11/2017		- 30.0			During Drilling IA	21417-MB10 21417-MB10		
2.0	nay have Groundwa considere	slid d ater lev d app	own in the tub vel, if indicate roximate.	be prior to removal	nated during probing an				Bro	oad Meg	orridor Proj jablock Pha Washingto	ise II	
4. (3	sample; C	€ = g	test sample; ٦ eotechnical sa be - No Soil	ample; AR = archeo <u>LEGEND</u>	vity sample; EN = envi ological sample.		LOC	g Ol	FC	GEOP	ROBE 2	1417- M E	310
	2" Plas	tic Tu	be with Soil				January 2018 21-1-21417-20			06			
 	- Run No Ground		r Level ATD			Γ	SHANNON & WILSON, INC. Geotechnical and Environmental Consultants Sheet 2 of 2						

						L	.OG C	F GE	OPR	OB	E					
Date	Started	5/1	1/17	Locat	ion SE Co	rner of S	ite				Grour	nd Ele	evation:	Approx	NA feet	
Date	Comple	eted 5/11	1/17								Туріса	al Ru	n Lengt	h 5 feet		
Tota	I Depth	(ft)	25.0	Drillin	g Compa	ny: Holt				1	Hole [Diame	eter:	2 inches	s	
Depth (ft)	Probe Run	approxii	ng met mate b	rt text for thods. T	Soil De a proper u he stratifica s between	escripti nderstandi ation lines i soil types.		low represe ndaries ma	nt the	Depth, ft.	Symbol	PID, ppm	Ground Water	Desc	e Number, cription, Results	Depth (ft)
	1	top; dry.		-		rse <i>Sand</i> n few grav	<i>(SP</i>) fill wi /els; dry.	th organic	s at	- 1.5		0				
5 	2								9.0		0				5	
	3	Light gra	y, <i>Silt</i>	ty Sand	<i>(SM</i>) with	el; moist a	at 19.5 fee	t.			0					
	5 4								CONTIN	UED NE		0				
2					NOTES			alaras historia santos		IVEN NE	AUHAG	a⊑		L		
2. 3. 4.	may have Groundwa considere Refer to K CT = corre	ases where r slid down in ater level, if in d approximat EY for definit osion test san E = geotech	the tub idicated ie. tions a mple; T	ry was lov be prior to d above, ind explai I'R = ther	w in the upp o removal fr was estima nation of sy mal resistiv	rom the gro ated during mbols. ity sample;	und. probing and EN = enviro	l should be				Broa	ad Meg Seattle,	orridor Proj ablock Pha Washingto	ase II on	
3	2" Plas	tic Tube - N	o Soil	<u>LI</u> Recove	<u>EGEND</u> ry	ogreat earry			LOG OF GEOPROBE 21417-MB1							
	2" Plas - <i>Run No</i>	tic Tube with	ו Soil ו	Recover	У				January 2018 21-1-21417-206							
⊻		Water Level	ATD						SHANNON & WILSON, INC. Geotechnical and Environmental Consultants Sheet 1 of 2							

				LOG	OF GEOPRO	OBI	Ξ					
Date	Started	5/11/1	17	Location SE Corner of Site		(Groun	d El	evation:	Approx.	NA feet	
Date	Comple	eted 5/11/1	7			-	Гуріса	l Ru	ın Lengtl			
Total	Depth	(ft) 25.	0	Drilling Company: Holt		Ī	lole D	iam	eter:	2 inches		
Depth (ft)	Probe Run	Refer to the re and probing approxima	epoi met	Soil Description t text for a proper understanding of the hods. The stratification lines indicated oundaries between soil types. Actual b if soil shifted inside sample tubes durin	below represent the oundaries may be	Depth, ft.	Symbol	PID, ppm	Ground Water	Sample Desc	Number, ription, Results	Depth (ft)
	5	Light gray, root at 22 f		BOTTOM OF GEOPROBE COMPLETED 5/11/2017	silt layer with tree	20.0		0		21417-MB11: 21417-MB11:		
	may have Groundwa considere Refer to H CT = corr	slid down in the ater level, if india d approximate. (EY for definition osion test samp	e tub cate ns a lle; T	<u>NOTES</u> y was low in the upper part of the run, the perior to removal from the ground. d above, was estimated during probing a nd explanation of symbols. TR = thermal resistivity sample; EN = en ample; AR = archeological sample.	and should be			Bro	oad Meg Seattle,	orridor Proj ablock Pha Washingto	se II n	
	2" Plas	tic Tube - No S	Soil	LEGEND Recovery		LOG OF GEOPROBE 21417-MB January 2018 21-1-21417-20						
un I I I I I I I I I I I I I	- Run Ne	tic Tube with S o. Water Level A1		r euvery		SHANNON & WILSON, INC. FIG. A-12 Geotechnical and Environmental Consultants Sheet 2 of 2				2		

						Public	Review	/ Draft			
Sc		nd	Eart	Pro	oject: oject Numb gged by:	700 [Dexter Prop	· · · · · · · · · · · · · · · · · · ·	BORING LOG	B105 MW10	
JU	Ju		rateg	Da Da	te Started:	8/13/ Iitions: Cond			Site Address: 700 Seat	Dexter Ave tle, Washin	
		511	atey	We We	ell Location Il Location viewed by:	N/S: ^{36.2'} so E/W: ^{79.3'} ea	uth of SE corner st of SE corner o	of 700 Dexter property f 700 Dexter property	Water Dept Time of Dril	h At lling 21	feet bgs
					te Complet				After Comp		feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic I	Description		Well Construction Detail
0						Concrete		Concrete and brick surfa	cing.		
			80			SM (FILL) SM (FILL)		Damp, dense, silty fine S no solvent or hydrocarbo material. Damp, dense, silty fine S no solvent or hydrocarbo	on odor (25-60-15 AND with gravel,). Fill brown,	
- 5						SM (FILL)		Damp, dense, silty fine S no solvent or hydrocarbo	on odor (25-60-15).	
				0.1		SM (FILL)		Damp, dense, silty SAND debris, black, no solvent (25-60-15). Fill material.	or hydrocarbon o	odor	
_	V			0.0		SM (FILL)		Damp, dense, silty SAND no solvent or hydrocarbo	on odor (25-70-5).	•	
_	Å		100			SM (FILL)		Damp, loose, silty SAND solvent or hydrocarbon o material.			
				0.1							
10				0.0	B105-10	SM (FILL)		Damp, loose, silty SAND solvent or hydrocarbon o material.	odor (15-80-5). Fil	l	
_				0	5103-10	SM (FILL)		Damp, dense, SILT with solvent or hydrocarbon of material. Damp, dense, silty SAND	ódor (25-60-15). F	ilÍ	
-			100	0.0		SM (FILL)		no solvent or hydrocarbo Brick.			
				0.0		SM-SP (FILL)		Damp, dense, medium fir reddish brown, no solver (10-80-10). Fill material.			
15				0.0		SM-SP (FILL)		Damp, dense, medium fin gravel, reddish brown, no odor (10-80-10). Fill mate	o solvent or hydro		
	-	./Drille		ajor Drilling/Dar AR Sonic		Well/Auger D Well Screene		2/8,6 inches	Notes/Comm	ents:	
Samp	• •	uipmer ype:	-	ore Barrel		Well Screene Screen Slot S		130 to 140feet bgs0.010inches			
Hamm	Hammer Type/Weight: Ib					Filter Pack U		Colorado Silica Sand			
	• •					ogs Surface Seal:		Concrete Bentonite grout			
		ID No.:		CK 018	•			e: Flush Mount Page: 1 of		of 10	

oject: 700 Dexter Property B

So	JUI	nd Str	are	Da Dies Su We Re	oject: oject Number: gged by: te Started: trface Conditio ell Location N/3 ell Location E/1 eviewed by: te Completed:	700 E 0797 RAH 8/13/ ons: Conc S: 36.2 so W: 79.3 ea CCC	12 crete uth of SE corner st of SE corner o	perty	BORING LOG B10 LOG MW1 Site Address: 700 Dexter Av Seattle, Wash Water Depth At Time of Drilling 2 Water Depth After Completion	05 enue North ington 1 feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic D	escription	Well Construction Detail
15 -			100	0.0		SM SM		Damp, dense, silty SAND cobbles, brown, no solver (25-65-10). Damp, dense, silty SAND solvent or hydrocarbon or	nt or hydrocarbon odor with gravel, brown, no	
-				0.0		SM-SP SM-SP		Damp, dense, medium fin gravel, brown, no solvent (15-70-15). Damp, dense, medium to	or hydrocarbon odor fine SAND with silt and	
20 —				0.0	B105-20	SM		gravel, brown, no solvent (15-70-15). Wet, loose, silty SAND wit brown, no solvent or hydr 10).	th gravel, grayish	
-			100	0.0		SM SP-SM		Wet, loose, silty SAND wit brown, no solvent or hydr 10). Moist, loose, medium to fi gravel, brown, no solvent	rocarbon odor (20-70-	
- 25				0.0		SP-SM		(10-80-10). Moist, loose, medium to fi and silt, brown, no solven (10-80-10).	ine SAND with gravel t or hydrocarbon odor	
_				0.1		SM		Dry, very dense, silty fine grayish brown, cohesive, hydrocarbon odor (25-60-	no solvent or	
			100	1.1		SM SM		Dry, very dense, silty fine grayish brown, cohesive, hydrocarbon odor (25-60- Dry, very dense, silty fine	no solvent or 15). SAND with gravel,	
30				2.7		SM		grayish brown, cohesive, hydrocarbon odor (35-45- Dry, very dense, silty fine grayish brown, cohesive, hydrocarbon odor (35-45-	20). SAND with gravel, no solvent or	
Drillin Drillin Samp Hamm Total	Drilling Co./Driller:Major DrillingDrilling Equipment:LAR SonicSampler Type:Core BarrelHammer Type/Weight:Total Boring Depth:140Total Well Depth:140State Well ID No.:BCK 018				We Scr Ibs Filt feet bgs Sur feet bgs Ann	II/Auger D II Screene een Slot S er Pack Us face Seal: nular Seal: nument Ty	d Interval Size: sed: :	2/8,6 inches	Notes/Comments:	2 of 10

Sour	nd Str	art	Pro Loy Da Su We We Re	oject: oject Numbe gged by: te Started: rface Condit Il Location I vil Location E viewed by: te Complete	r: 0797 ⁻ RAH 8/13/ tions: Conc V/S: 36.2' soi CCC	Dexter Prop -001 12 crete uth of SE corner st of SE corner o	perty BORING B105 LOG MW105 Site Address: 700 Dexter Avenue Nort Seattle, Washington Vater Depth At Time of Drilling 21 feet Water Depth	h t bgs bgs
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic Description Const	ell ruction tail
30		100	0.0 0.5 0.1 1.2 0.0 0.0 0.0 0.0	B105-30	SM SM SM SM SM SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5). Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5). Moist, very loose, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (30-55-15). Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10). Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-75-5). Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-75-5). Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10). Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10). Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10). Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10). Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
45 Drilling Co Drilling Equ Sampler Ty Hammer Ty Total Boring Total Well D State Well II	iipmen pe: pe/Wei g Dept)epth:	t: L/ Co ight: h: 14	0	W Solbs Fi feet bgs Sol feet bgs A	SM SM SM /ell/Auger Di /ell Screene creen Slot S ilter Pack Us urface Seal: nnular Seal: lonument Ty	d Interval Size: sed: :	Moist, very dense, silty SAND with gravel and cobbles, gray, no solvent or hydrocarbon odor (35-60-5). Image: Comparison odor models and cobbles, gray, no solvent or hydrocarbon odor (35-60-5). No recovery. Image: Comparison odor models and concrete gentonite grout Flush Mount Page: 3 of 10	

						Public	Review	/ Draft			
Sc		nd	Earl	Pr	oject: oject Numbe gged by:		Dexter Prop -001	perty	BORING LOG	B105 MW10	
JU	Ju	St.	rateg	Da Da	ite Started: irface Condit	8/13/		Sit	te Address: 700 D Seattl	Dexter Aven le, Washing	
		JU	areg	We	ell Location I ell Location I eviewed by:	N/S: 36.2' so	uth of SE corner st of SE corner o	of 700 Dexter property 700 Dexter property	Water Depth Time of Drilli	At ing 21	feet bgs
					te Complete				After Comple		feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic De	escription		Well Construction Detail
45 -			90	0.0		SM-ML		Moist, very dense, silty SAN cobbles, no solvent or hydr 20).	ND with gravel, rocarbon odor (/	gray, 40-40-	
_				0.0		SM		Damp, very dense, silty SAN cohesive, no solvent or hyd 20).			
50 —				0.0		SM		Damp, very dense, silty SAN cohesive, no solvent or hyd 20).			
				0.0	B105-50	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15). Wet, very dense, silty SAND with gravel, gray, no			
				0.3		SM		Wet, very dense, silty SAND solvent or hydrocarbon odd		ray, no	
_			50					No recovery.			
55 —				0.3		SM SM		Damp, very dense, silty SAN gray, cohesive, no solvent o (35-45-20). Damp, very dense, silty SAN gray, cohesive, no solvent o (35-45-20).	or hydrocarbon ND with gravel,	odor dark	
			100	0.7			· · · · · · · · · · · · · · · · · · ·				
-				0.7		SM		Damp, very dense, silty SAN gray, cohesive, no solvent (35-45-20).			
60				0.0		SM		Damp, very dense, silty SAN gray, cohesive, no solvent (35-45-20).	ND with gravel, or hydrocarbor	dark 1 odor	
	ig Co	./Drille		_I Major Drilling/Da	n v	/ell/Auger D	iameter:	2/8,6 inches	Notes/Comme	ents:	
		uipmer	-	AR Sonic		/ell Screene		0			
	Sampler Type: Core Barrel Hammer Type/Weight: Ib			-	creen Slot S ilter Pack U	-	0.010 inches Colorado Silica Sand				
	Total Boring Depth: 140					urface Seal:		Concrete			
	Total Well Depth:140				-	nnular Seal		Bentonite grout			
State	ate Well ID No.: BCK 018				M	Ionument Ty	/pe:	Flush Mount	Page:	4	of 10
L											

Sou	nd Str	art ateg	Pro Lo Da Bu We We Re	oject: oject Numbo gged by: te Started: rface Cond II Location viewed by: te Complete	700 E er: 0797 RAH 8/13/ itions: Conc N/S: 36.2°so E/W: 79.3° ea CCC	/12 crete outh of SE corner of ast of SE corner of	
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic Description Well Construction Detail
60		100	0.3 0.3 0.3 0.3	B105-60	SP SM ML		Damp, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (5-90- 5). Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (35-50- 15). Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (55-35-10). Dry, hard, SILT with fine sand and gravel,
65		100	0.3 0.0 0.0		ML		cohesive, very gray, no solvent or hydrocarbon odor (55-35-10). Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10). Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).
			0.0		ML		odor (50-40-10).
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).
75			0.0 0.0		GM		Damp, very dense, silty gravellly SAND, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).
Drilling Co. Drilling Equ Sampler Ty Hammer Ty Total Borin Total Well I State Well I	uipment /pe: /pe/Weig g Depth Depth:	:: LA Co ght: 14 14	0	lbs I feet bgs I feet bgs I	Well/Auger D Well Screene Screen Slot S Filter Pack U Surface Seal Annular Seal Monument Ty	ed Interval: Size: sed: : :	2/8,6 inches 130 to 140 feet bgs 0.010 inches Colorado Silica Sand Concrete Bentonite grout Flush Mount Page: 5 of 10

So	un	dEa Strate	gies	Project: Project Num Logged by: Date Started Surface Con Well Locatio Well Locatio Reviewed by Date Comple	700 E aber: 0797 RAH I: 8/13/ aditions: Conc on N/S: 36.2' so on E/W: 79.3' ea /: CCC	Dexter Prop -001 (12 crete uth of SE corner st of SE corner o	of 700 Dexter property f 700 Dexter property	BORING LOG Site Address: 700 E Seatt Water Depth Time of Drill Water Depth After Comple	le, Washington h At ing 21 feet bgs h
Depth (feet bgs)	Interval	Blow Count % Recovery	PID (ppi	mv) Samı ID		Graphic	Lithologic	Description	Well Construction Detail
75		100	0.3		SM SM		Moist, very dense, silty cohesive, grayish brow hydrocarbon odor (35-5 Moist, very dense, silty cohesive, grayish brow hydrocarbon odor (35-5 Moist, very dense, silty	m, no solvent or 50-15). SAND with gravel, m, no solvent or 50-15).	
-			0.3	B105-80	SM		cohesive, grayish brow hydrocarbon odor (35-5 Moist, very dense, silty cohesive, grayish brow hydrocarbon odor (35-5	n, no solvent or 50-15). SAND with gravel, n, no solvent or	
80		50	0.1		SM		Bentonite plug. Damp, very dense, silty cohesive, dark gray, no odor (35-50-15).	r SAND with gravel, solvent or hydroca	Irbon
85			0.1		GM		Wet, very dense, grave solvent or hydrocarbor		r, no
-		100	0.0		GM				
90			0.0		SM		Damp, very dense, silty cohesive, gray, no solv (35-45-20).		odor
Drilling Drilling Sample Hamme Total Bo Total W State W	Equip r Type r Type oring [ell Dej	ment: : :/Weight: Depth: oth:	Major Drilling LAR Sonic Core Barrel 140 140 BCK 018	g/Dan Ibs feet bgs feet bgs	Well/Auger D Well Screene Screen Slot S Filter Pack Us Surface Seal: Annular Seal: Monument Ty	d Interval Size: sed: :	2/8,6 inches 130 to 140 feet b 0.010 inches Colorado Silica Sand Concrete Bentonite grout Flush Mount	gs	ents: 6 of 10

						Public	Review	/ Draft			
Sc		nd	Eart	Pro Pro	oject: oject Numl gged by:	700 [Dexter Prop 2-001	- J -	BORING LOG	B105 MW105	
JU	Ju	St.	rateg	Da Da	te Started:	: 8/13/ ditions: Cond			Site Address: 700 Seat	Dexter Avenue North tle, Washington	ı
		JU	latey	We	ell Location ell Location viewed by	n N/S: ^{36.2' so} n E/W: ^{79.3' ea}	outh of SE corner of ast of SE corner of	of 700 Dexter property 700 Dexter property	Water Depti Time of Dril	hAt ling 21 feet	bgs
				Da	te Comple	ted: 8/13	/12		After Comp		bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	ole USCS Class	Graphic	Lithologic	Description	Constr	ell ruction etail
90				0.0	B105-90	GM		Wet, very dense, silty sa solvent or hydrocarbon o	ndy GRAVEL, gra odor (30-30-40).	y, no	~~~~~
_			100	0.0		GM		Wet, very dark, silty sand solvent or hydrocarbon o	dy GRAVEL, gray, odor (30-30-40).	no	
_				0.0		SM		Damp, very dense, silty s cohesive, no solvent or l 15).			
				0.0		SM		, Moist, very dense, silty n			
95				0.0				gravel, dark gray, no sol odor (20-75-5).	vent or hydrocarb	on	
-	- 0.					SP-SM		Wet, loose, medium to fin gravel, dark brown, no se odor (10-85-5).			
-			100	0.0							
				0.0							
100 —				0.0							
				0.0	B105-100	SP-SM		Wet, loose, medium to fi no solvent or hydrocarbo			
				0.0			(, , , , , , , , , , , , , , , , , , ,				
_			100	0.0		SP-SM		Wet, loose, fine SAND wi or hydrocarbon odor (10		Divent	
-				0.0 0.0							
105 Drillin	ig Co	./Drille	r: M	l Iajor Drilling/Dar	ו ז	Well/Auger D	iameter:	2/8,6 inches	Notes/Comm	ents:	
Drillin	Drilling Equipment: LAR Sonic					Well Screene Screen Slot S	d Interval:	130 to 140 feet bgs 0.010 inches	3		
-	Sampler Type: Core Hammer Type/Weight:				lbs	Filter Pack U		Colorado Silica Sand			
Total	Borir	ng Dept	t h: 14		feet bgs	Surface Seal		Concrete			
		Depth: ID No.:		⁴⁰ CK 018	feet bgs	Annular Seal Monument Ty		Bentonite grout Flush Mount	Page:	7 of 10	<u>ר</u>
									i aye.		,

<u>Public Review Draft</u> 700 Dexter Property Project: BORING B105 Project Number: 0797-001 LOG | MW105 SoundEarth Logged by: RAH Site Address: 700 Dexter Avenue North Date Started: 8/13/12 Strategies Surface Conditions: Concrete Seattle, Washington Well Location N/S: 36.2' south of SE corner of 700 Dexter property Water Depth At 21 feet bgs Well Location E/W: 79.3' east of SE corner of 700 Dexter property Time of Drilling **Reviewed by:** CCC Water Depth After Completion -feet bgs Date Completed: 8/13/12 Interval **Blow Count** % Recovery Depth (feet bgs) Graphic Well Sample USCS PID (ppmv) Lithologic Description Construction ID Class Detail 105 105.5 SP-SM Wet, loose, fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0). 100 0.0 SP-SM Wet, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). 0.0 SP-SM Wet, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). 0.0 110 B105-110 SP-SM Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30). SP-SM Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor 100 (10-60-30). SP-SM Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30). 115 SP-SM Wet, loose, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10). 120 Drilling Co./Driller: Major Drilling/Dan Well/Auger Diameter: 2/8.6 Notes/Comments: inches **Drilling Equipment:** LAR Sonic Well Screened Interval: 130 to 140 feet bgs Sampler Type: Core Barrel Screen Slot Size: 0.010 inches Hammer Type/Weight: Filter Pack Used: Colorado Silica Sand lbs ---**Total Boring Depth:** 140 feet bgs Surface Seal: Concrete **Total Well Depth:** 140 feet bgs Annular Seal: Bentonite grout State Well ID No.: BCK 018 Flush Mount Monument Type: Page: 8 of 10

So	DU		art	ies Pro Da Su We Re	oject: oject Numb gged by: te Started: rface Cond ell Location ell Location viewed by: te Complet	er: 0797 RAH 8/13/ itions: Conc N/S: 36.2' so E/W: 79.3' ea CCC	/12 crete uth of SE corner of set of SE corner of		LOG Site Address: 700 De	e, Washington At Ig 21 feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic	Description	Well Construction Detail
- 120			100	0.0	B105-120	SP-SM SP-SM		Wet, loose, coarse to me dark gray, no solvent or 65-25). Wet, loose, coarse to me and silt, dark gray, no so odor (10-65-25).	hydrocarbon odor (dium SAND with gr	(10- ravel
_				0.0		SM SM		Damp, very dense, silty s gray, no solvent or hydro Damp, very dense, silty s gray, no solvent or hydro	ocarbon odor (20-55 SAND with gravel, d	5-25).
125 —						SP-SM		Wet, loose, coarse to me and silt, dark gray, no so odor (10-70-20).	lvent or hydrocarbo	on
_						SP-SM SP-SM SP-SM		Wet, very dense, coarse gravel and silt, dark gray hydrocarbon odor (10-60 Wet, loose, medium to co and silt, dark gray, no so odor (10-80-10). Wet, loose, medium to co	r, no solvent or -30). Joarse SAND with gr Ivent or hydrocarbo parse SAND with gr	ravel on ravel
130 —				0.0	B105-130	SP-SM		and silt, dark gray, no so odor (10-80-10). We, loose, medium to co and silt, dark gray, no so odor (10-80-10).	arse SAND with gra	avel
-			100	0.0		SP-SM		Wet, loose, medium to co and silt, dark gray, no so odor (10-80-10).		
135				0.0		SP-SM		Wet, loose, medium to co and silt, dark gray, no so odor (10-70-20).		
Drillin Samp Hamn	Drilling Co./Driller:Major DrillinDrilling Equipment:LAR SonicSampler Type:Core BarrelHammer Type/Weight:Total Boring Depth:140				Well Scre Ibs Filter		sed:	2/8,6inches130 to 140feet bgs0.010inchesColorado Silica SandConcrete	Notes/Commen	nts:
Total	Well	Depth: ID No.:	14		feet bgs	-		Bentonite grout Flush Mount	Page:	9 of 10

Sc)U	nd	Earl	f 1	roject: roject Numbe ogged by: pate Started:	er: 0797 RAH 8/13/	/12	perty	BORING LOG Site Address: 700 f	B105 MW10 Dexter Aver)5
		St	rateg	JIES S V V F	urface Condi Vell Location Vell Location Veviewed by: Vate Complete	N/S: 36.2' so E/W: 79.3' ea CCCC	uth of SE corner ist of SE corner o	of 700 Dexter property f 700 Dexter property	Seat Water Deptl Time of Dril Water Deptl After Comp	ling ²¹ h	gton feet bgs feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv	Sampl		0	Lithologic [Description		Well Construction Detail
135				0.0		SP-SM		Wet, loose, coarse to me and silt, gray no solvent (10-70-20).			
-			100	0.0	B105-138	SP-SM		Wet, loose, coarse to me and silt, gray, no solvent (10-70-20).	or hydrocarbon o	odor	
-				0.0	6105-136	ML		Dry, hard, SILT with fine no solvent or hydrocarbo Dry, hard, SILT with fine or hydrocarbon odor (70-	on odor (70-20-5). sand, brown, no s	ŗ	
140 — - - 145 — - - - - - - - - - - - -								Boring terminated at 140 bentonite grout from 2 fe Two-inch-diameter well in feet bgs, screened from 1 silica sand from 128 to 14 seal from 118 to 128 feet from 2 to 118 feet bgs, ar mounted monument and Completed as monitoring	et to 128 feet dep nstalled to a dept 130 to 140 feet bg 40 feet bgs, bento bgs, bentonite gr d finished with a concrete seal.	th. h of 140 s, with onite out	
Drillin Samp Hamn Total				Core Barrel - 140	lbs F feet bgs S	Well/Auger Diameter: Well Screened Interval: Screen Slot Size: Filter Pack Used: Surface Seal: Annular Seal:		2/8,6 inches 130 to 140 feet bgs 0.010 inches Colorado Silica Sand Concrete Bentonite grout	Notes/Comm	ents:	
State	tal Well Depth: 140 ate Well ID No.: BCK 018				0		ype:	Flush Mount	Page:	1	0 of 10

Soun	I d Str	:art ateg	Pro- Lo Da i e S We We Re	oject: oject Numt gged by: te Started: rface Conc ill Locatior viewed by: te Comple	ditions: n N/S: n E/W: :	0797- RAH 8/14/1 Conce 84.7' sou	2 1010 th of SE corner of t of SE corner of	1700 Dexter	BORING LOG Site Address: 700 Sea Water Dep Time of Dri Water Dep After Com	itle, Wasi ih At Illing ih	106 venue North sington - feet bgs
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID		SCS lass	Graphic	Lithologic	Description		Well Construction Detail
		100	0.1 0.5 0.5 1.3 0.1 0.1 0.1 0.1	B106-10		phalt SM SM SM SM SM SM		4"-thick asphalt surfacin Boring hand-cleared to 5 Dry, dense, silty SAND v no solvent or hydrocarb Dry, very dense, silty SA brown, no solvent or hy 20). Dry, very dense, silty SA brown, no solvent or hy 20). Dry, very dense, silty SA brown, no solvent or hy 20).	vith gravel, light l on odor (20-60-20 vith gravel, light l drocarbon odor (ND with gravel, l drocarbon odor (ND with gravel, l drocarbon odor ()). prown,)). prown,)). prown,)). light 20-60- light 20-60- light	
Drilling Co./			hajor Drilling/Da	n		•	lameter:	2/8,6 inches		nents:	Englished (1997)
Drilling Equi Sampler Typ	•		AR Sonic ore Barrel		Well So Screen		d Interval: Size:	: 130 to 140 feet by 0.010 inches			
Hammer Typ				lbs	Filter P			Colorado Silica Sand			
Total Boring			40	feet bgs	Surface			Concrete			
Total Well D			40	feet bgs	Annula			Bentonite grout			
State Well ID) No.:	E	ICK 019		Monum	ient Ty	/pe:	Flush Mount	Page:		1 of 10

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Sou	nd Sti	art ateg	Pro Lo Da i e S We We Re	Dject: Dject Numb gged by: te Started: rface Cond II Location II Location viewed by: te Complet	RAH 8/14/12 itions: Concret N/S: 84.7 southo E/W: 112 west of CCC)1 le of SE corner of SE corner of	of 700 Dexter	BORING B10 LOG MW Site Address: 700 Dexter Av Seattle, Wash Water Depth At Time of Drilling Water Depth After Completion	106 renue North ington - feet bgs
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic I	Description	Well Construction Detail
15		100	0.0 0.0 0.0 0.0 0.0	B106-20	SM SM SM SM		Dry, very dense, silty SA brown, no solvent or hyd 10). Dry, very dense, silty SA brown, no solvent or hyd 10). Dry, very dense, silty SA brown, no solvent or hyd 10). Dry, very dense, silty SA brown, no solvent or hyd 10). Damp, very dense, silty S brown, no solvent or hyd 10).	rocarbon odor (25-65- ND with gravel, light frocarbon odor (25-65- ND with gravel, light frocarbon odor (25-65- ND with gravel, light frocarbon odor (25-65- GAND with gravel, light	
25		100	0.0 0.0 0.0 0.0		SM SM SM		Damp, very dense, silty S brown, no solvent or hyd 10). Dry, very dense, silty SA brown, no solvent or hyd 10). Dry, very dense, silty SA brown, no solvent or hyd 10). Dry, very dense, silty SA gray, no solvent or hydro	irocarbon odor (25-65- ND with gravel, dark Irocarbon odor (25-65- ND with gravel, dark Irocarbon odor (25-65- ND with gravel, cohesive	
		100	0.0 0.0 0.0		SM SM SM		Dry, very dense, silty SA gray, no solvent or hydro Dry, very dense, silty SA gray, no solvent or hydro Damp, very dense, silty S no solvent or hydrocarbo	ocarbon odor (35-55-10). ND with gravel, cohesive ocarbon odor (35-55-10). SAND with gravel, gray,	
Drilling Co Drilling Eq Sampler Ty Hammer T Total Borin Total Well State Well	uipmer ype: ype/We ng Depi Depth:	nt: L/ C right: th: 14	ajor Drilling/Da AR Sonic ore Barrel 10 CK 019	lbs feet bgs feet bgs	Well/Auger Diar Well Screened I Screen Slot Size Filter Pack User Surface Seal: Annular Seal: Monument Type	Interval e: d:	2/8,6 inches 130 to 140 feet bgs 0.010 inches Colorado Silica Sand Concrete Bentonite grout Flush Mount		2 of 10

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Sou	nd Str	ateg	PH La Da i e s W W Ra	oject: oject Numi gged by: ate Started: Irface Conc ell Location ell Location eviewed by ate Comple	ber: 0797 RAH : 8/14/ ditions: Cond n N/S: ^{84,7° cond n E/W: 112° we : CCC}	12 Fete wh of SE corner of st of SE corner of	1700 Dexter		e Address: 700 D	e, Washin At ng)6 nue North
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Samr ID	ole USCS Class	Graphic	Lith	nologic De	scription		Well Construction Detail
30			0.0	B106-30	SP-SM		Moist, dense, fir gravel, light bro odor (10-80-10).				
- //		100	0.0		SP-SM		Molst, dense, fir gravel, light bro odor (10-80-10).	wn, no solve			
-			0.0		SP-SM		Moist, dense, fir gravel, light bro odor (10-80-10).	wn, no solve			
35			0.0		SP-SM		Moist, dense, fir gravel, light bro odor (10-80-10).	wn, no solve	ent or hydrocar	bon	
_			10.4		SP-SM		Wet, dense, med gravel, dark gra odor (10-80-10).	y, no solven			
			4.9		SP-SM		Wet, dense, meo gravel, dark gra odor (10-80-10).	y, no solven			
			1.3		SP-SM		Wet, dense, med gravel, dark gra odor (10-80-10).	dlum to fine y, no solven			
40			0.5		SP-SM		Wet, dense, meo gravel, dark gra odor (10-80-10).	y, no solven	SAND with silt t or hydrocarbo	anđ on	
-			0.5	B106-40	SP-SM						
			0.5		SM-ML SP-SM		Dry, hard, fine s cohesive, no so 15). Damp, dense, fi gravel, dark gra odor (10-80-10).	ivent or hyd ne to mediu y, no solven	rocarbon odor m SAND with s	(50-35- ilt and	
		5	0.5								
45			0.5		SP-SM		Damp, dense, fi gravel, dark gra odor (10-80-10).	y, no solven	t or hydrocarbo	on	
Drilling Co Drilling Eq			lajor Drilling/Da AR Sonic	in	Well/Auger D Well Screene		2/8,6 130 to 140	inches feet bgs	Notes/Commo	ents:	
Sampler Ty			ore Barrel		Screen Slot		0.010	inches			
Hammer T				lbs	Filter Pack U		Colorado Silica				
Total Borir	ng Depi	ih: 14	40	feet bgs	Surface Seal		Concrete				
Total Well State Well	•		40 CK 019	feet bgs	Annular Seal		Bentonite grout Flush Mount		<u> </u>	1 -	
State Well	10 1901	В	01/019		Monument T	Ahe:	FIUSH MOUNT		Page:	3	of 10

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So	U		art ateg	Pri Lo Da i e S Su Wu Re	oject: oject Numb gged by: ite Started: irface Cond all Location all Location iviewed by: ite Complet	er: 0797- RAH 8/14/1 Illions: Conci N/S: 84.7 sou E/W: 112 west CCC	12 rete th of SE corner t of SE corner of	of 700 Dexter	1	ashinglon feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic	Description	Well Construction Detail
45 _ _			100	0.5		SM		Damp, very dense, slity cohesive dark gray, no s odor (35-45-20).		
			100	1.3		SM SM		Damp, very dense, silty cohesive dark gray, no s odor (35-45-20). Molst, very dense, silty & cohesive dark gray, no s	olvent or hydrocarbon SAND with gravel,	
50				0.1		SM		odor (35-45-20). Moist, very dense, silty s cohesive dark gray, no s odor (35-45-20).	SAND with gravel,	
-				0.5	B106-50	SM		Damp, very dense, silty cohesive dark gray, no s odor (35-45-20).		
			100	0.1		SM		Damp, very dense, silty cohesive dark gray, no s odor (35-45-20).	SAND with gravel, olvent or hydrocarbon	
				0.0		SM SM		Damp, very dense, silty cohesive dark gray, no s odor (35-45-20).	olvent or hydrocarbon	
55				0.0		SM		Damp, very dense, silty cohesive dark gray, no s odor (35-45-20). Damp, very dense, silty	olvent or hydrocarbon	
				0.0				cobbles, cohesive dark hydrocarbon odor (35-50		
			100	0.0		SM		Moist, very dense, slity s cohesive dark gray, no s odor (35-55-10).		
				0.1		SM		Moist, very dense, silty s cohesive dark gray, no s odor (35-55-10).		
60				0.1		SM		Damp, very dense, slity cohesive dark gray, no s odor (35-55-10).		
1	-	./Drille		lajor Drilling/Da		Well/Auger Di		2/8,6 inches		:
Drillin Samp		uipmer		AR Sonic ore Barrel		Well Screener Screen Slot S		: 130 to 140 feet bg 0.010 inches		
10000000000000000000000000000000000000		/pe: /pe/We				Filter Pack Us	SCOLEMS.	Colorado Silica Sand		
	1000 - 100 -	g Depi	-	40		Surface Seal:		Concrete		
		Depth:		40	feet bgs	Annular Seal:		Bentonite grout		
State	Well	D No.:	В	CK 019		Monument Ty	/pe:	Flush Mount	Page:	4 of 10

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/	Sou	nd st	Eart	Pro Lo Da i e S We We Re	oject: oject Numb gged by: te Started: rface Cond ell Location ell Location viewed by: te Complet	er: 07 R 8 itions: C N/S: ⁸⁴ E/W: 11 C	00 Dexter 797-001 AH /14/12 Concrete 17 south of SE 12 west of SE o CCC 08/16/12	corner o	sit 1700 Dexter	BORING LOG te Address: 700 E Seatt Water Depth Time of Drill Water Depth After Compl	le, Washin At Ing	06 nue North
	Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USC Clas	CS ig ss c		Lithologic De	scription		Well Construction Detail
	60		100	0.0	B106-60	SN SN			Moist, very dense, silty SAN coheslve dark gray, no solv (35-55-10). Moist, very dense, silty SAN coheslve dark gray, no solv odor (35-55-10).	ent or hydroca	12	
				0.0		SN SN			Dry, very dense, silty SAND dark gray, no solvent or hyd 10). Dry, very dense, silty SAND dark gray, no solvent or hyd	drcarbon odor () with gravel, co	(35-55- ohesive	
1	65 - -			0.0		SN SN			55-10). Dry, very dense, silty SAND dark gray, no solvent or hyo 50-15). Dry, very dense, silty SAND dark gray, no solvent or hyo	drocarbon odo with gravel, co	r (35- ohesive	
	-		100	0.0		SN	× · · · · · · · · · · · · · · · · · · ·		50-15). Dry, very dense, silty SAND gray cohesive, no solvent o (35-50-15).) with gravel, da	ark	
	70			0.0	B106-70	SN SN			Dry, very dense, silty SAND gray cohesive, no solvent o (35-50-15). Damp, very dense, silty SAI gray cohesive, no solvent o (35-55-10).	or hydrocarbon ND with gravel,	odor dark	
			100	0.0		SI			Damp, very dense, silty SAI gray cohesive, no solvent o (35-55-10).	ND with gravel, or hydrocarbon	dark odor	
				0.0		M			Damp, hard, fine sandy SIL coheslve gray, no solvent c odor (60-40-0). Dry, hard, fine sandy SILT, cohesive gray, no solvent c (60-40-0).	or hydrocarbon weak laminatio	odor n,	
()	Drilling C Drilling E Sampler Hammer Total Bor Total Wel State We	quipme Type: Type/W ing Dep I Depth	nt: L G eight: oth: 1- ; 1-	lajor Drilling/Da AR Sonic core Barrel 40 40 ICK 019	n Ibs feet bgs feet bgs	Well/Aug Well Screen S Filter Pac Surface S Annular S Monumer	eened Int lot Size: ok Used: Seal: Seal:		2/8,6 inches 130 to 140 feet bgs 0.010 inches Colorado Silica Sand Concrete Bentonite grout Flush Mount	Notes/Comm		5 of 10

			Contraction of the second	oject: oject Numl		Dexter Prop	perty	BORING B10	-7-10	
Sou	nd	art		gged by:	RAH					
uvu	Str	ateg	ili Da ies Su	te Started: rface Cond				Site Address: 700 Dexter Av Seattle, Washi		i
		0	We	ell Location		with of SE corner of		Water Depth At Time of Drilling	feet bgs	,
				viewed by				Water Depth		
			Da	te Comple	ted: 08/1	6/12		After Completion	feet bgs	
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	ole USCS Class	Graphic	Lithologic	Description	Well Construction Detail	
75			0.0		SM		Damp, very dense, silty cohesive dark gray, no s odor (35-50-15).			
		100	0.0		SM		Damp, very dense, silty cohesive dark gray, no s odor (35-50-15).	SAND with gravel, solvent or hydrocarbon		
			0.0		SM		Dry, very dense, silty SA dark gray, no solvent or 50-15).	ND with gravel, cohesive hydrocarbon odor (35-		
80-			0.0	Diag an	SM		Damp, very dense, silty cohesive dark gray, no s odor (35-50-15).			
-			0.0	B106-80	SM-GM		no solvent or hydrocarb			
- 1			0.0		SM-GM		Damp, very dense, grave no solvent or hydrocarb	elly silty SAND, dark gray, on odor (30-30-40).		(
		100	0.0		SM-ML		Damp, very dense, silty solvent or hydrocarbon	odor (35-40-25).		
85-			0.3		SM-ML		Damp, very dense, silty solvent or hydrocarbon	odor (35-40-25).		
			0.0		SM		0).	hydrocarbon odor (30-70-		
- 1		100	0.0		SM SP-SM		0). Moist, very dense, medl and gravel, dark gray, n	SAND, dark gray hydrocarbon odor (30-70- um to fine SAND with silt o solvent or hydrocarbon		
- 1			0.0		SP-SM		odor (15-75-10).			
_90			0.0		SP-SM			um to fine SAND with silt o solvent or hydrocarbon		
Drilling C Drilling Ec			lajor Drilling/Da AR Sonic	n	Well/Auger D Well Screene		2/8,6 inches : 130 to 140 feet bo			
Sampler 1			ore Barrel		Screen Slot		: 130 to 140 feet bg 0.010 inches			
Hammer 1	Type/We	ight:		lbs	Filter Pack U		Colorado Silica Sand			1
Total Bori	·		40	feet bgs	Surface Seal		Concrete			
Total Well State Wel			40 CK 019	feet bgs	Annular Sea Monument T		Bentonite grout Flush Mount	Page:	6 of 10	

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	Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID		Graphic	Lithologic De	escription	Well Construction Detail
	90			0.0	B106-90	SP-SM SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca Wet, dense, medium to fine gray, no solvent or hydroca	rbon odor (10-90-0). SAND with silt, dark	
			100	0.0		SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca		
	95 —		100	0.0 0.0 0.0		SP-SM SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca Wet, dense, medlum to fine gray, no solvent or hydroca	arbon odor (10-90-0). • SAND with slit, dark	
(.			100	0.0		SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca		
	E.			0.0		SP-SM SP-SM		Wet, dense, medium to fine gray, no solvent or hydroca Wet, dense, medium to fine gray, no solvent or hydroca	arbon odor (10-90-0). e SAND with silt, dark	
				0.0	B106-100	SP-SM		Wet, dense, medium to fine gravel, dark brown, no solv odor (10-85-5).		
			100	0.0		SP-SM SP-SM		Wet, dense, medium to fine gravel, dark brown, no solv odor (10-85-5). Wet, dense, medium to fine gravel, dark brown, no solv	ent or hydrocarbon	
	105) O /Drille		0.0 0.0 lajor Drilling/Da	n	SP-SM Well/Auger D		odor (10-85-5). Wet, dense, medium to find gravel, dark brown, no solv odor (10-85-5). 2/8,6 inches	SAND with slit and	
()	Drilling E Sampler Hammer Total Bor	quipme Type: Type/We ing Dep	nt: L C eight: th: 14	AR Sonic Fore Barrel	lbs feet bgs	Well Screene Screen Slot S Filter Pack U Surface Seal	ed Interval Size: Ised: I:	: 130 to 140 feet bgs 0.010 inches Colorado Silica Sand Concrete		
	Total We State We			40 CK 019	feet bgs	Annular Sea Monument T		Bentonite grout Flush Mount	Page:	7 of 10

Sou	nd Str	ateg	ies Su Re	oject: oject Numb gged by: te Started: rface Cond ell Location ell Location viewed by: te Complet	er: 0797 RAH 8/14/ litions: Conc N/S: ^{84,7} so E/W: 112'we CCC	/12 crete uth of SE corner of st of SE corner of ;	of 700 Dexter	BORING LOG Site Address: 700 E Seatt Water Depth Time of Drill Water Depth After Compl	MW1 Dexter Ave le, Washi a At ling	06 anue North	(
Depth (feet bgs) Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic	Description		Well Construction Detail	n
105			0.0		SP-SM		Molst, dense, coarse to and gravel, gray, no solv (10-85-5).				
		100	0.0		SP-SM		Moist, dense, coarse to and gravel, gray, no solv (10-85-5).				
			0.0		SP-SM		Moist, dense, coarse to and gravel, gray, no solv (10-90-0).				
110			0.0		SP-SM		Moist, dense, coarse to and gravel, gray, no solv (10-90-0).				
1			0.0	B106-110	SP-SM		Wet, dense, coarse to m gray, no solvent or hydr				
			0.0		SP-SM		Wet, dense, coarse to m gray, no solvent or hydr				***
			0.0		SP-SM		Wet, dense, medum to fi no solvent or hydrocarb				~~~~
115 —		100	0.0		SP-SM		Wet, dense, medum to fl no solvent or hydrocarb				
			0.0		SP-SM		Wet, dense, fine to medi gray, no solvent or hydr				
			0.0		SP-SM		Wet, dense, fine to medi gray, no solvent or hydr				
			0.0		SP-SM		Wet, dense, fine to medi trace gravel, dark gray, hydrocarbon odor (10-8	no solvent or	and		
120			0.0	 	SP-SM		Wet, dense, fine to medi trace gravel, dark gray, i hydrocarbon odor (10-8	no solvent or	and		
Drilling Co Drilling Ec			lajor Drilling/Da AR Sonic		Well/Auger D Well Screene		2/8,6 inches 130 to 140 feet bo		ents:		
Sampler T	• •		ore Barrel	1	Screen Slot S		: 130 to 140 feet bg 0.010 inches				
Hammer 1					Filter Pack U		Colorado Silica Sand				
Total Bori			40		Surface Seal		Concrete				
Total Well State Well			40 ICK 019	•	Annular Seal Monument T		Bentonite grout Flush Mount	Page:	8	3 of 10	_

Ĉ	SoundEa Strat	egies	Project: Project Numb Logged by: Date Started: Surface Cond Well Location Reviewed by: Date Complet	er: 0797- RAH 8/14/ itions: Conc N/S: 84.7 500 E/W: 112 Wes CCC	12 rete th of SE corner of t of SE corner of	t 700 Dexter	BORING B106 LOG MW10 te Address: 700 Dexter Ave Seattle, Washin Water Depth At Time of Drilling Water Depth After Completion)6 nue North
	Depth (feet bgs) Interval Blow Count	PID (ppm)) Sampl ID	le USCS Class	Graphic	Lithologic De	scription	Well Construction Detail
	120	0.0 0.0	B106-120	SP-SM SP-SM		Wet. dense, medium SAND gray, no solvent or hydroca Wet, dense, coarse, mediun and silt, dark gray, no solve odor (10-50-10).	rbon odor (10-70-10). n SAND with gravel	
	-	0.0		SP-SM SP-SM SP-SM		Wet, dense, medium SAND solvent or hydrocarbon odd Wet, dense, medium SAND solvent or hydrocarbon odd Wet, dense, fine to medium	or (10-90-0). with silt, dark gray, no or (10-90-0)	
(0.0		SP-SM		gray, no solvent or hydroca Wet, dense, fine to medium gray, no solvent or hydroca	SAND with silt , dark	
	130 -	0.0	8106-130	SP SP GM		Wet, dense, gravelly, coarse with gravel and silt, dark gr hydrocarbon odor (5-60-35) Wet, dense, gravelly, coarse with gravel and silt, dark gr hydrocarbon odor (5-60-35) Wet, dense, silty sandy GR	ay, no solvent or , e to medium SAND ay, no solvent or , AVEL, dark gray, no	
		0.0		GM GM		solvent or hydrocarbon odd Wet, dense, silty sandy GR solvent or hydrocarbon odd Wet, dense, silty sandy GR solvent or hydrocarbon odd	AVEL, dark gray, no or (25-25-50). AVEL, dark gray, no	
		0.0 0.0		GM		Wet, dense, silty sandy GR solvent or hydrocarbon odd	or (25-25-50).	
ř)	Drilling Co./Driller: Drilling Equipment: Sampler Type: Hammer Type/Weight: Total Boring Depth: Total Well Depth: State Well ID No.:	Major Drilling/D LAR Sonic Core Barrel 140 140 BCK 019	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: :	2/8,6 inches 130 to 140 feet bgs 0.010 inches Colorado Silica Sand Concrete Bentonite grout Flush Mount	Notes/Comments:	of 10

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Sc)U(nd	art		roject: roject Numbe ogged by: ate Started: urface Condi	er: 0797 RAH 8/14/	12	perty	BORING LOG Site Address: 700 D Seatt		16 nue North	i
		JU	atey	W	ell Location	N/S: 84.7' so	with of SE corner of		Vater Depth	At	•	Ę
					ell Location eviewed by:	E/W: 112 wes CCC	st of SE corner of	700 Dexter	→ Time of Drill ₩₩₩ Water Depth	-	feet bgs	
	r1			D.	ate Complete	ed: 08/16	6/12		After Compl		feet bgs	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic I	Description		Well Construction Detail	
135	$\left \right $					SP-SM		Wet, dense, medium to fi silt, dark gray, no solven (10-80-10).				
						SP-SM		Wet, dense, medium to fi silt, dark gray, no solven (10-80-10).				
-					D100 140	SP-SM		Wet, dense, medium SAI dark gray, no solvent or 80-10).				
- 140					B106-140	SP-SM		Wet. dense, medium SAN dark gray, no solvent or 80-10).				
-								Boring terminated at 140 bentonite grout from 2 fe Two-inch diameter well i feet bgs, screened from silica sand from 128 to 1 seal from 118 to 128 feet from 2 to 118 feet bgs, a mounted monument and Completed as monitoring	et to 118 feet dep nstalled to a dept 130 to 140 feet bg 40 feet bgs, bento bgs, bentonite gr nd finished with a concrete seal.	th. n of 140 s, with nite out		· · · · · · · · · · · · · · · · · · ·
150	1		<u> </u>					2/2.2				
1)./Drille uipmei		Major Drilling/Da .AR Sonic		Well/Auger D Well Screene		2/8,6 inches : 130 to 140 feet bg	Notes/Comm s	ents:		1
Sam	oler T	ype:	C	Core Barrel	8	Screen Slot S	Size:	0.010 inches				
		ype/We 1g Dep		-	1000	Filter Pack U Surface Seal		Colorado Silica Sand Concrete				(
Total	Well	Depth:	1	40	feet bgs	Annular Seal	:	Bentonite grout				
State	Well	ID No.:	E	3CK 019	1	Monument T	ype:	Flush Mount	Page:	1	0 of 10	

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Sc)U	nd Sti	:art ate	Jies Su References Jies Su Wa References Su Su Su Su Su Su Su Su Su Su Su Su Su	oject: oject Numb gged by: te Started: trface Cond ell Location ell Location eviewed by: te Complet	er: 0797 RAH 12/10 Itlons: Grav N/S: 145.4'S E/W: 75'Wo CCC	D/12 Bl of SE corner OF I SE corner OF 70 ;	177 P. 17	LOG N Site Address: 700 Dext Seattle, V Water Depth At Time of Drilling Water Depth	Vashington
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	le USCS Class	Graphic	Litholog	ic Description	Well Construction Detail
0 	X	2 2 3	50	0.8		SP-SM (FILL)		Damp, loose, medium and silt, brown, no so (10-75-15). Fill mater	n to fine SAND with grav livent or hydrocarbon or ial.	et tor
Drilli	ng Eo	ı o./Driile juipme `ype:		Cascade/Curtis HSA Dames and Mod		Well/Auger I Weil Screen Screen Slot	ed Interval		hes Notes/Commen t bgs hes	ts:
Ham Total Total	ner 1 Bori Weil	ype/Weng Dep Depth: DD No.	oth: :	300 45.5 45 BHS768	lbs feet bgs feet bgs	Filter Pack U Surface Sea Annular Sea Monument T	1: :	2/12 Silica Sand Concrete Bentonite Flush mount	Page:	1 of 4

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Sc)U	nd Sti	art ateg	I C S I	oject: oject Numbo gged by: te Started: rface Condi II Location viewed by: te Complete	er: 0797 RAH 12/10 Itions: Grav. N/S: ^{145,4*} S E/W: ^{75*} Wol CCC)/12 c1 of SE corner OF SE corner OF 7(700 Dexter bidg. 10 Dexter bidg.	LOG Site Address: 700 De	xter Aver , Washin 4t g 30	4 nue North	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sampl ID	e USCS Class	Graphic	Lithologic	c Description		Well Construc Detai	tion
	X	50/5"	100	0.0	B114-15	SM		Dry, very dense, silty fi brown, no solvent or h 10).				
20 —	X	50/6"	100	0.0		SM		Dry, very dense, slity fi brown, no solvent or h 10).	ine SAND with gravel, ydrocarbon odor (25-	, light 65-		
25	X	50/6"	100	0.8	B114-25	SM		Dry, very dense, silty fi no solvent or hydrocar	ine SAND with gravel, bon odor (35-55-10).	, gray,		
Drillir Samp	ng Eq pler T		nt: H D	ascade/Curtis SA ames and Moor	e s	Well/Auger D Well Screene Screen Slot S	d Interval Size:	2/8.25 inche 35 to 45 feet t 0.010 inche	ogs	nts:	Lease U	
Total	Borii	ype/We	th: 4	00 5.5 -	feet bgs	Filter Pack U Surface Seal	:	2/12 Silica Sand Concrete				
		Depth: ID No.:		5 HS768		Annular Seal Monument T		Bentonite Flush mount	Page:	2	of 4	

Sc)U	nd Str	art ateg	Pro Lo Da i e S Su We Re	Dject: Dject Numb gged by: te Started: rface Cond II Location II Location viewed by: te Complet	er: 0797 RAH 12/10 litions: Grav N/S: 1454°S E/W: 75°Wol CCC	D/12 El 6 of SE corner OF 1 SE corner OF 70 5	700 Dexter bldg.	BORING B11 LOG MW1 Site Address: 700 Dexter Av Seattle, Washi Water Depth At Time of Drilling 3 Water Depth After Completion 1	14 enue North ington 0 feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID	le USCS Class	Graphic	Lithologic E	Description	Well Construction Detail
30	X	50/6"	100	0.2		SP-SM		Wet, very dense, medium and gravel, gray, no solve (10-80-10).		
35 — - -	X	50/6*	100	42.8	B114-35	SM		Molst, very dense, silty fi solvent or hydrocarbon o	ne SAND, gray, no dor (45-55-0).	
-	X	50/6"	100	40.2		SM		Moist, very dense, slity fl solvent or hydrocarbon o	ne SAND, gray, no dor (45-55-0).	
40 —	X	50/6"	100	0.8	B114-40	SM-SP		Wet, very dense, medium light gray, no solvent or t 85-0).	to fine SAND with slit, aydrocarbon odor (15∙	
- 45	X	50/2*	100	0.2		SM·ML		Molst, very dense, silty S cohesive, gray, no solver (40-45-15).	AND with gravel, it or hydrocarbon odor	
Drilli		./Drille		ascade/Curtis	1	Well/Auger D		2/8.25 inches	Notes/Comments:	
Drillin Samp		uipmer ype:		SA ames and Mooi		Well Screene Screen Slot \$: 35 to 45 feet bgs 0.010 inches		
Hamr	ner T	ype/We	•			Filter Pack U		2/12 Silica Sand		
		ig Dept Depth:			feet bgs feet bgs	Surface Seal Annular Seal		Concrete Bentonite		
		ID No.:		HS768		Monument T		Flush mount	Page:	3 of 4

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Sc)U	nd Sti	ari rateg	hies s	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 Dext Well Location E/W: 75'W of SE corner OF 700 Dext Reviewed by: CCC Date Completed: 12/10/12 (ppmv) ID USCS Gravel USCS Gravel				21 1 10-10 and 20-20 10-10 200 -		Site Address: 700 D Seattle Water Depth Time of Drilli	exter Av e, Wash At ng 3	14 enue North ington	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv				Graphic	Litho	ologic D	escription		Well Construction Detail	
45	Χ	50/3"	100	1.3	B114-45	S	SM-ML		Damp, very dense cohesive, gray, n (40-45-15). Boring terminated surface. Two-inc depth of 45 feet b	o solvent d at 45.5 t h-diamete	or hydrocarbon feet below groun er well installed t	di oa		
									bgs, and finished monument and c monitoring well N	with a fin oncrete s	ush-mounted			
50 —														(
-														
55⊷														
-														
				Cascade/Curtis		Well/A	luger Di	lameter:	2/8.25	inches	Notes/Comme	ents:		
Samp Hamr Total Total	rilling Equipment: HSA		Dames and Mo 300 45.5 45	ore Ibs feet bgs feet bgs	Well S Scree Filter Surfac Annul		d Interval: Size: sed: :	35 to 45 0.010 2/12 Silica Sand Concrete Bentonite Flush mount	feet bgs inches	Page:	1	4 of 4	(

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	Project: 700 Dexter Project Number: 0797-001 BORING B117													
											BORING	B117	I.	
			-		•			-001			LOG	MW11		
Sc	111	nd	art	the	Logged by:		RAH			L				
30	Ju	IIU			Date Started		02/04			S	ite Address: 700 [ue North	
		Sti	ateg] I E S	Surface Con				at SE corner of the intersection of Roy a	and Davta		le, WA		
					Well Location Well Location				at SE corner of the intersection of Roy a		water Dept	n At ling 40	feet be	gs
					Reviewed by		CCC				Water Dept	-		5
					Date Comple		02/04				After Comp	etion	feet bo	gs
		t	<u> </u>				02/0							
Depth (feet bgs)	Interval	Blow Count	% Recovery		Samp	ole US	SCS	Graphic					Wel	
ep	nte	S S	% <u>ö</u>	PID (ppm	v) ID		ass	ap	Litholog	jic De	escription		Construc	
[₫ □		Blo	Re					Ū					Deta	ıil
0														///
									Asphalt 6" thick.					
									Boring cleared with a	vaate	or truck to a dor	th of 8'		
									below ground surface	e (bas).	011 01 0		
									0					
-														
-													ΠΠ	ÍΠΠ
5														
_														
-														
-														
10	\/	E0/4"	10		B117-10									
	\backslash /	50/4"	10	0.0	0117-10	S	М		Damp, very dense, si	Ity SA	ND with gravel,	light		
	V								brown, no solvent or	hydro	carbon odor (3	0-55-		
	$ \wedge $								15).					
	$/ \setminus$													
_														
15														
15	Drilling Co./Driller: Cascade Drilling				Well/Arr			2/8.25 inct		Nata a /O a ma	ant c-			
1	-			ig Co./Curtis	Well/Aug		iameter: d Interval:			Notes/Comm	ents:			
	3 1 1					Screen S			rval: 40 to 55 feet bgs 0.010 inches					
-					lbs	Filter Pa			#2/12 Sand	100				
	ammer Type/Weight: 140 otal Boring Depth: 55.5				feet bgs	Surface			Concrete					
	otal Boring Depth: 55.5				feet bgs				Bentonite Chips					
	al Well Depth: 55 te Well ID No.: BHS 885				icer bys		Annular Seal: Monument Type:				of 4			
1	2						•••	•	·		Page:	1	UI 4	

						Public	Revien	v Draft				
-					oject:		Dexter	-	BORING	B117	I.	
			-		oject Numbe		-001		LOG	MW11		
S	III	nd	Eart		gged by:	RAH	1/10		Site Address: 700			
00	u	C†	rateg	inc Su	te Started:	02/04 t ions: Asph				le, WA	lue North	
		31	aley	TES Su We	Il Location I			t SE corner of the intersection of Roy and De				
					Il Location		st of power pole	at SE corner of the intersection of Roy and De		ling ⁴⁰	feet b	gs
					viewed by:	CCC			🥣 Water Dept	h		
				Da	te Complete	d: 02/04	4/13		After Comp	letion	feet b	gs
- îs	/a	nut	Σ.		Comple		<u>.</u>				We	п
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic E	Description		Constru	
feet feet	Ľ	No No	Jec.			Olass	С С				Deta	
							_					
15	\setminus /	50/5"	33	0.0	B117-15	SM		Moist, very dense, silty S				
	V							brown, no solvent or hyd				
	\wedge							10).				
	$/ \setminus$											
-												
-												
20	\	50/51		0.0	D117.00							
20	0 50/5" 33				B117-20	SP-SM		Damp, very dense, mediu	m to fine SAND v	vith silt		
							[.]. <u>]</u> .].	and gravel, light brown, n				
-							·/./././.	hydrocarbon odor (15-75-	10).			
	$/ \setminus$											
-												
_												
-												
25												
25-	\setminus /	50/5"	30	0.0	B117-25	SM		Damp, very dense, silty S	AND with gravel,			
	\vee							cohesive, light brown, no	solvent or hydro	carbon		
_	\wedge							odor (40-50-10).				
	$/ \setminus$											
-												
_												
-												
30												
	ng Co	./Drille	r: (ascade Drilling	Co./Curtis	/ell/Auger Di	iameter:	2/8.25 inches	Notes/Comm	ents:		
	Drilling Equipment: HSA LAR					/ell Screene						
	Sampler Type: Split-spoon				s	creen Slot S	ize:	0.010 inches				
		ype/We	-	-	lbs F	ilter Pack Us	sed:	#2/12 Sand				
					U U	urface Seal:		Concrete				
	tal Well Depth: 55				U U	nnular Seal:		Bentonite Chips				
State				3HS 885	N	Monument Type:		Flush mount	Page:	2	of 4	

·	Project: 700 Dexter Project Number: 0797-001 BORING B117												
					•			-		B117	,		
C		nd	Cort		gged by:	r: 0797- RAH	001		LOG	MW11	7		
30	JU	IIU	Eart	Da Da	te Started:	02/04			Site Address: 700		nue North		
		St	rateg	les su	rface Condit Il Location N	•		at SE corner of the intersection of Roy and		ttle, WA th At			
					ell Location E	,		at SE corner of the intersection of Roy and	Dexter 🚢 Time of Dr	illing ⁴⁰	feet bgs		
					viewed by: te Complete	CCC d: 02/04			Water Dep		feet bgs		
	b	It	ح		_								
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologi	Description		Well Construction		
(feet	Ľ	Blow	Beo			01033	G				Detail		
30	\setminus /	50/5"	30	0.0	B117-30								
	\bigvee				БП7-30	SM		Wet, very dense, silty S brown, no solvent or h	SAND with gravel, ydrocarbon odor (ight 25-60-			
-	\land							15).					
	/ \												
-													
-													
_													
35 —		50/5"	30	0.0	B117-35								
	35 50/5" 30 0			0.0		SM		Moist, very dense, silty no solvent or hydrocat	SAND with grave	, gray,).			
-									•				
	$/ \setminus$												
_													
-													
_													
40	\/	50/6"	100		B117-40		<i></i>						
	$\backslash/$	50/6	100	0.0	5117-40	SP-SM	·/·/·/·/·/·	Wet, very dense, media and gravel, gray, no so	Im to fine SAND w	ith silt			
_	Å						(10-80-10).		on ouo.			
	$/ \setminus$						[.].].].].						
_													
_													
45													
		o./Drille		ascade Drilling		/ell/Auger Di		2/8.25 inche		nents:			
Drillin Samp		uipmer ype:	-	ISA LAR plit-spoon		ell Screene creen Slot S		rval: 40 to 55 feet bgs 0.010 inches					
Hamn	ner T	ype/We	ight: 1	40	lbs Fi	Iter Pack Us	sed:	#2/12 Sand					
		ng Depi			0	urface Seal:		Concrete Rontonito Chino					
		Depth: ID No.:		S HS 885	0	Annular Seal: Monument Type:		Bentonite Chips Flush mount Page: 3 of 4			of 4		

						Public	Review	/ Draft			
Sc		nd	Eart	Pro	oject: oject Numbe gged by:	700 E	Dexter		BORING B11 LOG MW	117	
30	JU	St.	rateg	Da Da	te Started: rface Condi	02/04 tions: Asph			Site Address: 700 Dexter A Seattle, WA	venue North	
		JU	arcy	We	Il Location	N/S: 96' south	n of power pole a	at SE corner of the intersection of Roy and De at SE corner of the intersection of Roy and De	ter y Water Depth At	0 feet bgs	
					ell Location viewed by:	E/W: 12.6 Wes CCC		at SE corner of the intersection of Roy and De	Water Depth		
				Da	te Complete	ed: 02/04	4/13		After Completion	feet bgs	
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic [Description	Well Construction Detail	
45	\setminus	50/6"	100	0.0	B117-45	SP-SM		Wet, very dense, medium			
- - 50 - -		50/5"	30	0.0	B117-50	SM-ML		Moist, very dense, silty S cohesive, gray, no solver (45-45-10).	ent or hydrocarbon odol AND with gravel,		
55 —		50/5"	20	0.0	B117-55	SM		Damp, very dense, silty S or hydrocarbon odor (20- Damp, very dense, SILT v	AND, gray, no solvent 80-0). vith fine sand, no		
	$\boldsymbol{\times}$	50/5	20	0.0	B117-55	ML	· · · · ·	solvent or hydrocarbon o	dor (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 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as moniotring well MW117.			
Drillir	rilling Co./Driller: Cascade Drilling Co./Cu				Vell/Auger Di		2/8.25 inches	Notes/Comments:			
	Drilling Equipment: HSA LAR Sampler Type: Split-spoon					Vell Screene Screen Slot S					
	lammer Type/Weight: 140 lbs					Filter Pack Us	-	#2/12 Sand			
	otal Boring Depth: 55.5 fe				Ŭ	Surface Seal: Annular Seal:		Concrete			
	tal Well Depth: 55 ate Well ID No.: BHS 885				Ũ			Bentonite Chips Flush mount Page: 4 of 4			

	Public Review Draft Project: 700 Dexter BORING B118 Project Number: 0797-001-02 LOG MW118												
1.1				Pro Pr									
S	าแ	nd	Eart rateg		gged by: te Started:	EBF 03/21	1/12		Site Address: 700 D				
	-	St	rateg	ies Su	rface Condit	ions: Asph	alt			e, Washin			
				vve	ell Location N ell Location E			ant lot in sidewalk E corner of intersection with Dexter Ave N	Water Depth Time of Drilli		feet bg:	s	
					viewed by: te Complete	CCC d: 03/2 ⁻			Water Depth After Comple	etion	feet bgs	s	
- @	al (a	nnt	iry		_						Well		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	e USCS Class	Graphic	Lithologic	Description		Construct	tion	
	_	Blo	Ъ				G				Detai	I	
0								3 inches of asphalt.					
-	-												
-	-												
-	-												
-	-												
5	\setminus /	10	100			SM	·: ·: ·: ·:	Moist, dense, silty fine S	AND with medium	Jarge			
		15				011		gravel, brown, no solven (30-55-15).	t or hydrocarbon o	dor			
-		25						(30-33-13).					
							·						
-													
-													
-													
10													
10-		32	100	0.1	B118-10	SM		Moist, very dense, silty f	ine SAND with gra	vel,			
_	\land	50/6						increasing silt with depth hydrocarbon odor (35-55		it or			
-													
-	-												
-													
15 Drillir			r: 0	ascado Drillina/			iamotor:	2 inches	Notes/Comme				
	-	o./Drille Juipmer		ascade Drilling/ SA		/ell/Auger D /ell Screene				ans:			
Samp	oler T	ype:	D	+M		creen Slot S		0.010 inches					
		′ype/We ng Dept	-	00 5.5		ilter Pack Us urface Seal:		2/12 Sand Cement					
Total	Well	Depth:	50)	feet bgs A	nnular Seal	:	Bentonite					
State	Well	ID No.:	В	IC 079	M	onument Ty	/pe:	Flush mount Page: 1 of 4					

	Project: 700 Dexter Project Number: 0797-001-02 BORING B118												
So		nd	Eart	Pro Pro	oject Number: gged by:	0797 EBF	-001-02	-	LOG	MW11	8		
00	u	St	rateg	Da Da	te Started: rface Conditio	03/21 ns: Asph			Site Address: 700 D Seattl	exter Aver e, Washing			
		511	arey	We	Il Location N/S	S: On S pro	operty line of vaca	ant lot in sidewalk	Water Depth	At			
				-	Il Location E/\ viewed by:	N: On Mero CCC		E corner of intersection with Dexter Ave N	Time of Drilli	•	feet bgs		
					te Completed:				Water Depth After Comple	etion	feet bgs		
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic	Description		Well Construction Detail		
-	X	26 50/5	150	0.0		SM ML		Moist, very dense, silty f gravel, brown, no solven (25-65-10). Moist, hard, fine sandy S hydrocarbon odor (80-20	t or hydrocarbon o ILT, gray, no solve	odor			
20	\times	50/6	125	0.0	B118-20	ML SP-SM SM-ML		Moist, hard, fine sandy S hydrocarbon odor (80-20 Moist to wet, very dense with trace gravel and trac hydrocarbon odor (10-85 Moist, very dense, fine s no solvent or hydrocarbo	-0). , fine to medium S ce silt, no solvent i-5). andy SILT, gray-br	AND or			
25	\times	50/6	125	0.1		SM		Moist, very dense, silty f gray, no solvent or hydro	ine SAND with gra ocarbon odor (30-6	vel, ;0-10).			
Drilling Co./Driller: Cascade Drilling/ James						ll/Auger D	iameter:	2 inches	Notes/Comme	ents:			
Drilling Equipment: HSA						Il Screene							
Sampler Type: D+M						een Slot S		0.010 inches					
Hamme Total B			-			er Pack Us		2/12 Sand					
Total B Total W			: n: 50 50		ů l	face Seal: nular Seal:		Cement Bentonite					
State W		-		IC 079	U U	nument Ty		Flush mount	Page:	2	of 4		

	Public Review Draft Project: 700 Dexter BORING B118 Project Number: 0797-001-02 LOG MW118													
So		nd	Eart	Pro Pro	oject Numb gged by:			-001-02	-		DG	MW11	8	
00		Sti	rateg	ies Su	te Started: rface Cond					one Address		tle, Washin		
		511	arcy	We	ell Location ell Location viewed by:	N/S: E/W:	On S pro	operty line of vac er St, 76' E of Ni	ant lot in sidewalk E corner of intersection with Dexter Ave N	🚢 Time	er Dept of Dril er Dept	hAt ling 20	feet b	gs
					te Complet		03/2					letion	feet b	gs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Samp ID		JSCS Class	Graphic	Lithologic	Description	ſ		We Constru Deta	ction
30 -	X	50/6	125	3.0	B118-30		SM		Moist to wet, very dense SAND with lenses of cle no solvent or hydrocarb	aner mediun	n sano	l, gray,		
	×	50/6	150	2.4			SM		Wet, very dense, silty fir trace fine gravel, gray, n odor (20-75-5).	o solvent or	hydro	ocarbon		
40	\times	50/6	150		B118-40	s	SM SM-ML		Wet, very dense, silty fir trace fine gravel, gray, n odor (20-75-5). Moist, very dense, silty f solvent or hydrocarbon	o solvent or ine SAND, g	hydro ray, n	ocarbon		
45 Drilling		/Drille		l ascade Drilling/	lames	Woll/A		amotor	2 inches	Notes/	`omm	onte:		<u> -</u>
Drilling Drilling				ascade Drilling/ SA			-	iameter: d Interval:			,omm	ents:		
-	Drilling Equipment: HSA Sampler Type: D+M						n Slot S		0.010 inches					
Hamme	er Ty	ype/We	-		lbs	Filter I	Pack Us	sed:	2/12 Sand					
	Fotal Boring Depth: 55.5				U U		e Seal:		Cement					
	tal Well Depth: 50				feet bgs Annular Seal: Bentonite									
State W	ate Well ID No.: BIC 079					Monument Type:		he.		Flush mount Page:			of 4	

						Public	Review	/ Draft			
Sc	111	nd	Eart	Pro	oject: oject Number: gged by:	0797 EBF	Dexter -001-02		BORING LOG	B118 MW11	8
50	Ju	St	rateg	ies Su	te Started: rface Conditio ell Location N/		alt	ant lot in sidewalk		le, Washin	
				We	ell Location K/ viewed by:	.	er St, 76' E of NE	E corner of intersection with Dexter Ave N	Water Depti Time of Drill	ling ²⁰	feet bgs
	_				te Completed		1/13		After Compl		feet bgs
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic [Description		Well Construction Detail
45 - - 50 -	\times	50/5	125	6.0	B118-50	SM		Moist to wet, very dense, no solvent or hydrocarbo of silty SAND present wit gravel, gray, no solvent o 60-5).	on odor (35-65-0). hin sample (30-70	Lenses)-0). ce	
- 55 — - -	\times	50/5	125			SM		Moist, very dense, silty fi gravel, gray, no solvent of 60-5). Boring terminated at 55.5 surface (bgs). Boring was bentonite chips to 50 feed diameter well installed to screened from 40 to 50 fe with a flush-mounted mo seal. Completed as monit	or hydrocarbon oc is feet below grour is backfilled with t bgs. Two-inch a depth of 50 fee set bgs, and finish nument and conc	dor (35- nd t bgs, ned rrete	
- 60											
	-	o./Drille Juipmei		ascade Drilling/ SA		II/Auger Di II Screene		2 inches 40-50 feet bgs	Notes/Comm	ents:	
						reen Slot S	-	0.010 inches			
						er Pack Us rface Seal:		2/12 Sand Cement			
Total	Total Well Depth:50feet bgs						s Annular Seal: Bentonite				
State	Well	ID No.:	BI	C 079	Mo	nument Ty	/pe:	Flush mount Page: 4		of 4	

	Project: 700 Dexter Project: 0797-001-02 BORING B119												
					•					BORING	G B119		
-					•		-001-02			LOC	G MW11	9	
S	111	nd	Eart		gged by: ite Started:	EBF 03/2 ⁻	1/10			ite Address: 7			
00	- 4	St	rateg		rface Condition						Seattle, WA		
		JU	latey	We	ell Location N			n of Broad St and 9th Ave N		🤝 Water D	epth At		
					ell Location E						Drilling ¹⁰	feet bgs	
					viewed by:	CCC				Water D	epth ompletion	faathaa	
			1	Da	te Completed	: 03/2	1/13			Aller Co	mpietion	feet bgs	
h (se	Interval	Blow Count	% Recovery		Sample	USCS	hic					Well	
Depth (feet bgs)	Itel	Ŭ S	80	PID (ppmv)	ID	Class	Graphic	Lithol	logic De	escription		Construction	
٦ŧ	_	Bo	Be l				Ū					Detail	
0													
÷								Concrete cored pri inches thick.	ior to dri	illing. Concre	ete 4		
_													
-													
_													
-													
5	·,												
Ű	$ \rangle /$	20	100			SM		Moist, dense, silty,	, gravelly	y, fine to med	dium		
	X	18				(FILL)		SAND, brown, no s (15-70-15).	solvent o	or hydrocarbo	on odor		
-	$ / \rangle$	20						(13-70-13).					
	/ \												
_													
-													
_													
10 —	\setminus /	4	100	0.9	B119-10	SM		Moist to wet, loose	araval	lv cilty find t	to medium		
		3				(FILL)		SAND with some c	oarse sa	and, gray-bro	own, no		
-	Å	3						solvent or hydroca	arbon od	lor (15-65-20)			
	$ / \rangle$	5				ML		Moist, soft, fine sa					
						(FILL)		brown, black stain hydrocarbon odor			solvent or		
-								-					
-													
-													
15 Drillin		 		ooodo Delline (lomco Mr.		l Iomotor:-	2 .	nohac	Notes/Occ			
	-	o./Drille Juipmer		ascade Drilling/ SA		ell/Auger D ell Screene					minerits:		
Sampler Type: D+M						reen Slot S		erval: 35-45 feet bgs 0.010 inches					
Hammer Type/Weight: 300 lbs						ter Pack U	sed:	2/12 Sand					
		ng Depi	-	6	feet bgs Su	rface Seal:	:	Cement					
		Depth:			0	nular Seal		Bentonite					
State	Well	ID No.:	В	IC 080	Mo	nument Ty	/pe:	Flush-mount Page: 1			of 4		

Page:

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<u>Public Review Draft</u> Project: 700 Dexter BORING | B119 Project Number: 0797-001-02 LOG | MW119 SoundEarth Logged by: EBF Site Address: 700 Dexter Avenue North Date Started: 03/21/13 Strategies Surface Conditions: Concrete Seattle, WA Well Location N/S: SW corner of intersection of Broad St and 9th Ave N Water Depth At 10 feet bgs Well Location E/W: Time of Drilling **Reviewed by:** CCC Water Depth After Completion feet bgs **Date Completed:** 03/21/13 Interval **Blow Count** % Recovery Graphic Depth (feet bgs) Well Sample USCS PID (ppmv) Lithologic Description Construction ID Class Detail 15 100 0.9 16 SM-ML Wet, very dense, silty fine SAND with trace gravel, blue-gray, no solvent or hydrocarbon 29 odor (45-50-5). 33 20 10 30 0.9 B119-20 SM Wet, medium dense, silty fine SAND, organics, wood debris, glass shards, gray, no solvent or 7 hydrocarbon odor (40-60-0). 10 Wet, medium dense, silty fine SAND, organics, 25 10 100 0.7 wood debris, glass shards, dark brown, no SM solvent or hydrocarbon odor (35-50-15). Moist, stiff, SILT with fine sand, blue-gray, no 10 ML solvent or hydrocarbon odor (90-10-0). 10 30 Drilling Co./Driller: Cascade Drilling/ James Well/Auger Diameter: 2 inches Notes/Comments: **Drilling Equipment:** HSA Well Screened Interval: 35-45 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches

Filter Pack Used:

Monument Type:

Surface Seal:

Annular Seal:

2/12 Sand

Cement

Bentonite

Flush-mount

Page:

2 of 4

300

46

45

BIC 080

lbs

feet bgs

feet bgs

Hammer Type/Weight:

Total Boring Depth:

Total Well Depth:

State Well ID No.:

<u>Public Review Draft</u> 700 Dexter Project: BORING B119 Project Number: 0797-001-02 LOG | MW119 SoundEar Logged by: EBF Site Address: 700 Dexter Avenue North Date Started: 03/21/13 Strategies Surface Conditions: Concrete Seattle, WA Well Location N/S: SW corner of intersection of Broad St and 9th Ave N Water Depth At 10 feet bgs Time of Drilling Well Location E/W: Reviewed by: CCC Water Depth After Completion feet bgs **Date Completed:** 03/21/13 Interval **Blow Count** % Recovery Graphic Depth (feet bgs) Well Sample USCS PID (ppmv) Lithologic Description Construction ID Class Detail 30 30 150 0.1 B119-30 SP-SM Moist, very dense, fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0). 50/6 35 13 100 0.9 SP-SM Moist to wet, medium dense, fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0). 15 15 40 100 13 0.9 B119-40 SP-SM Wet, medium dense, fine SAND with some silt, brown, no solvent or hydrocarbon odor (10-90-0). 15 15 45 Drilling Co./Driller: Cascade Drilling/ James Well/Auger Diameter: 2 inches Notes/Comments: **Drilling Equipment:** HSA Well Screened Interval: 35-45 feet bgs Sampler Type: D+M Screen Slot Size: 0.010 inches Hammer Type/Weight: 300 Filter Pack Used: 2/12 Sand lbs **Total Boring Depth:** 46 feet bgs Surface Seal: Cement **Total Well Depth:** 45 feet bgs Annular Seal: Bentonite BIC 080 State Well ID No.: Flush-mount Monument Type: Page: 3 of 4

So	u		Eart	Pro Lo Da i e S Su We Re	oject: oject Number: gged by: te Started: rface Conditio ell Location N/ ell Location E/ viewed by: te Completed:	700 [0797 EBF 03/2 ⁻ ns: Conc S: ^{SW corr} N: CCC	crete ner of intersection	n of Broad St and 9th Ave N	BORING B119 LOG MW1 Site Address: 700 Dexter Ave Seattle, WA Water Depth At Time of Drilling 10 Water Depth After Completion	19 nue North
Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic I	Description	Well Construction Detail
45	$\left \right\rangle$	28 50/6	125	1.0		SP		Wet, very dense, fine to r silt, gray to brown, no so odor (5-95-0).		
-								Boring terminated at 46 f surface (bgs). Two-inch o a depth of 45 feet bgs, so feet bgs, and finished wii monument and concrete monitoring well MW119.	diameter well installed to reened from 35 to 45 th a flush-mounted	
50										
_										
- 55 —										
-										
60										
Drillin Samp Hamn Total	g Eq ler T ner T Borii	D./Drille uipmer ype: ype/We ng Dept Depth:	nt: F E ight: 3 :h: 4 4	-6 -5	We Scr Ibs Filt feet bgs Sur	II/Auger D II Screene een Slot S er Pack Us face Seals nular Seal	d Interval: Size: sed: :	2 inches 35-45 feet bgs 0.010 inches 2/12 Sand Cement Bentonite	Notes/Comments:	
		ID No.:		3IC 080	-	nument Ty		Flush-mount	Page: 4	of 4



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MW-137

LOG OF BORING:

Boring Completion	Image: Sample Image: Delta control	Sam ple R ecovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
- Concrete	2.8 2.3 2.5	36	X	0 2 4		LIGHT BROWN SILTY SAND (SM), moist, fine to medium sand, little fines, few fine subangular to subrounded gravel up to 0.5-inch diameter
	2.3 2.6 2.6	60		6 - 8		LIGHT GRAY TO BROWN SANDY SILT (ML), moist, some fine to coarse sand, few fine angular to subangular gravel up to 0.5-inch diarneter, trace anthropogenics, black staining- (FILL) at 6 feet; brown, orange staining BROWN SILTY SAND (SM), moist, fine to medium, little fines
	6.7 5.5 8.9 3.7			10		at 12 feet: fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch
	3.5 4.0 2.8 5.6 7.0	120				LIGHT BROWN SANDY SILT (ML), moist, firm, some fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter, orange staining
- Sch. 40 - PVC - Casing - UN	0.6 0.7 1.2 2.6			20 		LIGHT BROWN TO LIGHT GRAY SILTY SAND (SM), moist, medium dense, fine to coarse, little fines, few fine to coarse subangular to subrounded gravel up to 0.5-inch diameter
	2.1 MW-137-25 2.0 2.0 1.6	5 120		- 28 - 28		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter, homogeneous
- Bentonite Grout	3.0 2.4 3.9 3.5 1.6	60	Y	30		at 30 feet: little fines
	2.1 4.2 4.2 4.2			36		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to medium, little fines, few fine to coarse subangular to subrounded gravel up to 1.5-inch diameter, homogeneous
Project Number: 14	0.8 ericen Linen Supply 13.001.02.602 lle, WA EM	120] [40		Total Drilled Depth: 115 feet bgs Diameter of Boring: 6 inches Drill Date: 08/31/17-09/01/17 Drilled By: Cascade Drilling Drill Method: Sonic



LOG OF BORING: MW-137

Boring Completion	(Mdd) Old	Sample ID	Sample Recovery (in)	Sampte Intervat	Depth (Feet)	Graphic Log	Lithologic Description
	2.6 2.8 3.2 2.0				42		
	1.3 2.9 2.3 1.4	MW-137-45	60	V	46		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous
- 00 000 - 000 000 - 000 000	1,1 2.5 4.4				48 — - 50 —		LIGHT GRAY SILT (ML), moist, firm, few fine sand, sample collected for grain size analysis at 50 feet: soil sample for physical analysis
- 100 000 - 100 000 - 100 000	5.3 4.4		120		52 — 54 —		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous
- Bentonite Grout	6.3 6.7 5.3				56 — 58 —		-
- Sch. 40 - PVC - Casing -	4.1			V	60		- 60 to 70 feet bgs fell out of the sampler and was recovered very loose and wet
			120		64		LIGHT GRAY SANDY SILT (ML), wet, firm, some fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter, homogeneous
	3,9 4.8 2.4		60	X	70 — - 72 —		-
- 000 000 - 000 000 - 000 000	5,5 4.7	MW-137-75 MW-137-76 -W B-905-60- W		N	74 — - 76 —		at 75 feet: water Color-Tec reading <0.003 mg/L, soil Color-Tec reading <0.003 mg/kg
	4.6 3.6 3.5		60		78		at 78 feet: moist, little fine to medium sand, trace gravel, at 80 feet: some sand, few gravel
-	13.001.0 le, WA						Total Drilled Depth: 115 feet bgs Diameter of Boring: 6 inches Drill Date: 08/31/17-09/01/17 Drilled By: Cascede Drilling Drill Method: Sonic



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-137

Boring Completion	(Wed) Cid. Sample ID	Sample Recovery (in)	Sampte Interval Depth (Feet) Grabhic Lor	Lithologic Description
Sch. 40 PVC Casing Bentonite Grout	4.1 2.5 3.3 1.5 3.0 4.2 2.4 5.6 5.3 5.4 4.8 2.7 MVV-137-95 9.1	60 120 96		at 90 feet: sample collected for physical analysis at 95 feet: soil Color-Tec reading <0.003 mg/kg
Bentonite Chips 10x20 Sand 0.020-inch Sch. 40 PVC Screen End Cap	5.0 4.9 6.5 6.6 7.8 26.3 1.9 7.0 16.9 13.1 7.2 5.4 MW-137- 115	36		LIGHT GRAY SILTY SAND (SM) wet, very dense, fine to medium, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter at 103 feet: soil Color-Tec reading <0.003 mg/kg
			- 118 — - 120 —	Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand. Total Well Depth: 115.3 feet. Total Drilled Depth: 115 feet bgs Diameter of Boring: 6 inches Drill Date: 08/31/17-09/01/17 Drilled By: Cascade Drilling Drill Method: Sonic



LOG OF BORING: MW-137

Baring Completion	(Mqq) Old	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
			UN .	1		Ŭ	
-					-		Well Sump/Endcap: 115.0 to 115.3 feet. Well Screen: 105.0 to 115.0 feet.
					122 —		Filter Pack: 103 to 115.3 feet.
-					124		Well Seal: 2 to 100 feet (bentonite grout), and 100 to 103 (hydrated bentonite chips). Surface Seal: 0 to 2 feet (concrete). Well Monument: Flush with grade steel monument.
					-		
-					126 -		-
					-		
_					128 —		-
-					130 —		-
					-		
-					132		-
					-		
_					134		-
					136		-
					.		
-					138 —		-
					-		
-					140		-
					142		
		i			-		
-					144 —		-
					-		
-					146		-
					148 -		
			20		-		
-					150 —		· · · ·
					-		
-				1	152		
_					154 —		
					-		
_					156 —		
					-		
-					158	į	
			L		160		
	13,001.02 e, WA	en Supply 2.602	÷	- <u></u>			Total Drilled Depth: 115 leet bgs Diameter of Boring: 6 inches Drill Date: 08/31/17-09/01/17 Drilled By: Cascade Drilling Drill Method: Sonic



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-138

Boring Completion	(MAA) OId	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Sch. 40 PVC Casing		1.1	10.1		0		Concrete (14 inches)
W.S.	2.7				2-		BROWN SAND WITH SILT AND GRAVEL (SP), moist, loose, fine to coarse, some subrounded to subangular gravel up to 1.25-inch diameter, few fines, trace cobbles, so
							cleared with air knife to 7 feet bgs (FILL)
	6,8		-		4-		
	4.7		120	11			
Sch. 40 PVC Casing	1.1						
	0,7				8-		at 7 feet: medium dense
	0.7				-		
	0.9				10 -		
	1.1						BROWN SAND WITH SILT AND GRAVEL (SP), moist, dense, fine to coarse, little
	2.2		60		12-		subrounded gravel up to 0.5-inch diameter, few fines (FILL)
					14 -		
	8.5	MW-138-15					at 15 feet: trace brick fragments
				V	16 -		at 16 feet: dense
			60	1Y	e.		at 17.5 feet: 2 inches of old road fragments (tar- and oil-covered subangular to
			E.		18-		subrounded gravel)
	-				20 -		at 20 feet: fine to medium sand, few subangular to subrounded gravel up to 1-inch
Sch. 40	16,4						diameter, trace cobbles
Casing	15.3				22 -		
	10.0				113		
	14.6	Sector in	12		24 -		
	15.7	MW-138-25	120		28		
		1-1-1			26 -		
	17.5				28 -		
	15.4						
Bentonite Grout	1.651				30 -	Î	GRAY SILTY SAND (SM), moist, fine to coarse, little fine subangular to subrounded
	11.5 13.8						gravel up to 0.75-inch diameter, little fines
	17.3		60	I	32 -		and the second
	17.5				34 -		
		MW-138-35					at 36 feet: medium dense, few fine to coarse sand up to 2-inch diameter
	3.5				36 -		
	11		60	V			at 39 feet: some fines at 40 feet: added 6 feet of bentonite chips, pulled back augers and continued with 6-ind
	11.7		00		38 —		diameter auger
	10.4	1171			40		
Project: Fromer Ame Project Number: 14							Total Drilled Depth: 115.3 feet bgs Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft
	le, WA EM	5715°					Drill Date: 09/12/17-09/15/17 Drilled By: Cascade Drilling Drill Method: Sonic



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-138

oring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Bentonite Grout Sch. 40 PVC Casing	14.6	1.000	1				
	14.7				42 -		
	18.1				123		
	10.1				44 —		
	19.4	MW-138-45	120				GRAY SANDY SILTY (ML), moist, some fine to medium sand, few fine subangular to
	19.7				46 —	1	subrounded gravel up to 0.5-inch diameter
	20.5				48 -		at 51 feet: fine to coarse sand, little gravel
	20.7				40-		
					50 -		
	15.3				Ĩ.		
	19.3				52 -		
	6.4				11		
	0.2	14			54 —		GRAY SILT (ML), moist, hard, few fine subangular to subrounded gravel up to 0.5-inch
	0,2		120				diameter, few fine sand
	8.4	MW-138-56			56 -		
Bentonite Grout	0						
	0.2				58 —		
	1.1				1		
Sch. 40					60 —		GRAY SILTY SAND (SM), moist, dense, some fines, few fine subangular to subrounde
PVC Casing	10,4	10			11		gravel up to 0.5-inch diameter
	9.7 7.7				62 -		
	9						at 65 feet; sample collected for physical analysis, soil Color-Tec reading <0.003 mg/kg
	46.6	MW-138-65	100	111	64 -		a us real, sample collected for physical analysis, soli color-rec reading ~0,005 mg/kg
	41.7	B-910-90	120		88-		
	20.8				00		
					68 —		
	14.4				F.		GRAY SILT (ML), moist, very hard, some fine sand
	3.6 0				70 -		CDAV SANDY SILT (ML) maint firm same fire to serve and fau fire to
	0.1						GRAY SANDY SILT (ML), moist, firm, some fine to coarse sand, few fine to coarse subangular to subrounded gravel up to 1-inch diameter
	0.2				72 -		
	10.7				10		
	13.1				74 —		
	10.7	MW-138-75	120		11		
	12.4				76 —		
	12.7				U.	1111	
	12.2				78 -		GRAY SILT (ML), moist, very hard, few fine subangular to subrounded gravel up to 0.75-inch diameter, few fine sand
	13.6	11.11			80		
	13.001.0 tle, WA						Total Drilled Depth: 115.3 feet bgs Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft Drill Date: 09/12/17-09/15/17 Drilled By: Cascade Drilling



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-138

Boring Con	npletion	(MPP) (MPP)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
		11.3 1.1 10.7			V	82 -		GRAY SANDY SILT (ML), moist, firm, some fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter
		11.9		11		84 -		GRAY SILT WITH SAND (ML), moist, very hard, little fine to medium sand
		12.3 13.3	MW-138-85	120		86 -		GRAY SILTY SAND (SM), medium dense, fine to medium, some fines, few fine to coar subangular to subrounded gravel up to 1-inch diameter, trace cobbles
		10.3 1.7				88 -		GRAY SANDY SILT (ML), moist, some fine to medium sand
		11.9			T	90 -		at 90 feet: fine to coarse sand, few fine subangular to subrounded gravel at 92 feet: trace cobbles
	Sch. 40 PVC Casing Bentonite Grout Bentonite Chips	19 17.1		60	I	92 -		GRAY SILTY SAND (SM), moist, some fines, few fine to coarse subangular to
		15,4	MW-138-95			94 -		subrounded gravel up to 1-inch diameter
	Sch. 40 PVC Casing				V	96 -		
	Bentonite Grout			0		98 -		
	Bentonite				Ī	100 -		GRAY SAND WITH SILT (SP), wet, fine to medium, few fines, homogeneous
	Chips			60		102 -		at 105 feet: soil Color-Tec reading <0.003 mg/kg, attempted to collect water sample but couldn't drive sampler
		2.8	MW-138- 105			106 -		GRAY SAND WITH SILT (SP), wet, fine to coarse, few fine to coarse subangular to subrounded gravel up to 1-inch diameter, few fines
	1	0.7 0.8		60	Y			
	10x20 Sand	0.9 0.8				100 -		at 110 feet: brown, loose, medium sand
	0.020-inch Sch. 40	0.8			V	112 -		
	PVC Screen	1.8 1.5		60		114 -		at 115 feet: collected sample for grain size analysis, soil Color-Tec reading <0.003 mg/k drove water sampler and collected sample with bailer, water Color-Tec reading <0.003 mg/L
	End Cap	1.5	MW-138- 115 MW-138-	0	T	116 -		Bottom of Boring at 115.3 feet.
			115-VV	U		118 -		Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.
		-	1			120		Total Well Depth: 115.3 feet.
Project Nur Site Locatic Logged By:	on: Seattle	3.001.0 ∌, WA M						Total Drilled Depth: 115.3 feet bgs Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft Drill Date: 09/12/17-09/15/17 Drilled By: Cascade Drilling Drill Method: Sonic



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-138

Boring Completion	(MPR) DIA	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					- 122 — -		Well Sump/Endcap: 115.0 to 115.3 feet. Well Screen: 105.0 to 115.0 feet. Filter Pack: 103 to 115.3 feet. Well Seal: 2 to 100 feet (bentonite grout), and 100 to 103 (hydrated bentonite chips). Surface Seal: 0 to 2 feet (concrete)
					124 —		Surface Seal: 0 to 2 feet (concrete). Well Monument: Flush with grade steel monument.
					126 —		
					128 —		
					130 —		
					132 —		
					134 —		
					- 136 —		
					- 138 —		
					140 -		
					142.—		
					- 144 -		
					ŧ.		
					146 —		
					148 —		
					150 —		
					152 —		
					154 —		
					156 —		
					158 —		
		4	.÷.:		160		
	13.001.02 tle, WA EM						Total Drilled Depth: 115.3 feet bgs Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft Drill Date: 09/12/17-09/15/17 Drilled By: Cascade Drilling Drill Method: Sonic



LOG OF BORING: MW-140

Boring Completion	(M94) O19	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Concrete					0 2 4 6	232	Concrete (6 inches) - soil cleared with air knife to 7 feet bgs
	2.2		36	X	- 8—		YELLOW-BROWN SAND WITH SILT (SP), moist, fine to medium, few fines, abundant clumps of silty sand up to 3-inch diameter, frequent orange staining (FILL?)
	2.5				10 — - 12 —		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, little fine to coarse subangular to subrounded gravel up to 1-inch diameter, frequent orange - staining
	1.6 2.3	MW-140-15	120		14		BROWN SILTY SAND WITH GRAVEL (SM), moist, medium, little fine to coarse subangular to subrounded gravel up to 2-inch diameter, little fines, frequent orange staining, higher moisture content than above
	2.5 2.9				16		coarse subrounded to rounded gravel up to 1.5-inch diameter, grain size varies from fine to to medium sand, rare inclusions of finer grained gray to brown soil up to 0.5-inch diameter
- Sch. 40 - PVC - Casing	4.1 1.7				20	•••••••••••••••••••••••••••••••••••••••	GRAY-BROWN SILTY SAND (SM), moist, fine, some fines, few fine to coarse
	3.7 4.5			V	22 — 		at 23 feet: yellow-brown, abundant orange staining GRAY SILTY SAND (SM), moist, fine to medium, some, few fine to coarse subrounded to
	0.1 0 0	MVV-140-25	120		26 28		rounded gravel up to 1.75-inch diameter
- Bentonite Grout	5.4 16.8				 30'		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter, irregular inclusions of medium
- 1000 - 1000000000000000000000000000000	23.8 33 24.2				32 — - 34 —	*****	sand up to 2-inch diameter at 32 feet: wet
- Bentonite Grout	7.1 1.8 9.4	MW-140-35	120		36 - 38		rounded gravel up to 3-inch diameter, rare cobbles at 35 feet: soil Color-Tec sample 0.011 mg/kg
	13.001.02 e, WA				40		Total Drilled Depth: 140 feet bgs Diameter of Boring: 6 inches Drill Date: 08/30/17-08/31/17 Drilled By: Cascade Drilling Drill Method: Sonic



LOG OF BORING: MW-140

2 of 4

Ξ Sample Recovery Sample Interval Depth (Feet) Graphic Log (Mdd) Sample ᇛ **Boring Completion** ID Lithologic Description 24.6 42 60 23.3 80.6 MW-140-45 at 46 feet: little fines 46 42.1 at 48 feet: some fines, trace gravel 60 9.7 48 at 50 feet; few gravel 19.1 50 52 17 GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter 19.6 54 20.6 MW-140-55 120 at 56 feet: driller notes very hard drilling 56 19.6 Bentonile Grout 30.4 58 7,5 60 Sch. 40 **PVC** 2.6 GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse Casing subrounded gravel up to 1-inch diameter 62 60 1.1 64 GRAY SILTY SAND (SM), moist, fine to medium, some fines, lew fine to coarse gravel up 0 MW-140-65 to 1.25-inch diameter 66 0 0 60 68 4.6 4.5 70 6,2 GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse 72 subrounded to rounded gravel up to 2-inch diameter 5.4 3.5 74 MW-140-75 120 4.2 78 at 77 feet: little fine sand, no gravel 5.7 2.9 GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines, few subrounded to Project: Fromer American Linen Supply Total Drilled Depth: 140 feet bgs Project Number: 1413.001.02.602 6 inches Diameter of Boring: Site Location: Seattle, WA Drill Date: 08/30/17-08/31/17 Logged By: CJD Drilled By: **Cascade Drilling** Ecology Well Tag: BKA 301 Drill Method: Sonic



LOG OF BORING: MW-140

Boring Completio	E (Mdd)	Sample ID	Sample Recovery (in)	Sample Intervat	Depth (Feet)	Graphic Log	Lithologic Description	
		MW-140-90	120		82		rounded gravel up to 2-inch diameter at 80 feet: drive SPT ring sampler for physical analysis GRAY SAND WITH SILT (SP), moist to wet, fine to medium, few fine to coarse subrounded to rounded gravel up to 2.5-inch diameter, few fines DARK GRAY SILTY SAND (SM), moist to wet, fine sand, little fines at 92 feet; few gravel BROWN SAND (SP), wet, medium, few fines, trace fine subrounded gravel, grain size varies from fine to medium sand and medium sand over 1-foot intervals at 95 feet: attempted to collect water sample but couldn't advance sampler	
	ing 1.5 tonite 1.2 2.1 7.4 7.1 7.3 6.4 1.3 2.7		120		98 100 102 104		at 100 feet: yellow-brown, fine to medium sand, abundant orange staining, collected sample for physical analysis at 103 feet: orange-brown, dark orange staining at 105 feet: yellow-brown, rare bright orange staining at 105 feet: gray	
	3,1 1,3 3,4 1,3 2,1 2,4 3,0 3,1	MW-140- 110	120		108 110 112 114 116		GRAY SILTY SAND (SM), wet fine, little fines, occasional inclusions of green-black silty sand	
Project Number: Site Location:	Seattle, WA		120	J ¥	120		GRAY SAND WITH SILT (SP), wet, medium to coarse, few fine to coarse subangular to Total Drilled Depth: 140 feet bgs Diameter of Boring: 6 Inches Drill Date: 08/30/17-08/31/17 Drilled By: Cascade Drilling Drill Method: Sonic	D



LOG OF BORING: MW-140

Boring Completion	(Nad) Sampl a ID	a Sample Recovery (in) Samole Interval	Capture Lithologic Description	
Sch, 40 PVC Casing Bentonite Chips Distribution Sch, 40 PVC Casing Distribution Schips Distribution Sch, 40 PVC Sand Distribution Sch, 40 PVC Sand Distribution Sch, 40 PVC Screen End Cap	2.1 2.4 3 3.5 3.2 3.5 3.1 2.1 1.6 1.7 3.1 1.2 MWV-140 130	0- 120 60	a subrounded gravel up to 2-inch diameter, few fines at 120 feet: soil Color-Tec reading <0.003 mg/kg	
Project Number: 141	rican Linen Supply 13.001.02.602 e, WA A 301		150 Total Drilled Depth: 140 leet bgs Diameter of Boring: 6 inches Drill Date: 08/30/17-08/31/17 Drilled By: Cascade Drilling Drill Method; Sonic	



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-146

Well Com	pletion	(Mdd) Old	Sample ID	Blow Count	Sample Recovery (in)	Sample Interval	O Depth (Feet)	Graphic Log	Lithologic Description
ANAKASA ANA	Concrele			11		1	2		Lithology consistent with adjacent MW-147. See MW-147 log for lithology,
	Bentonite Chips						6 8		Air knife/Vac to 5 feet bgs
							10 — 12 — 14 —		
							16 — 18 —		
	Sch. 40 PVC Casing						20 — 		
							24		
							28 — 30 —		
	Bentonite Pellets						32 — 34 — -		
	#2/12 Silica						36 — 38 — 40 —		
	Sand 0.020-						42 — 44 —		
	inch Sch. 40 PVC Screen						46 — 48 —		
	End Cap						50 — - 52 —		Bottom of Boring at 50.3 feet Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotter
							54 — 56 —		screen with #2/12 Sand Total Well Depth: 503 feet Well Sump/Endcap: 49,9 to 50.3 feet
							58 — - 60 —		Well Screen: 39.9 to 49.9 feet Well Riser: 0.6 to 39.9 feet Filter Pack: 38 to 50 feet Well Seal: 4 to 27 feet (hydrated bentonite chips) & 27 to 38 feet (hydrated bentonite realists)
				-			62 — - 64 —		pellets) Surface Seal: 0 to 4 feet (concrete) Well Monument: Flush with grade 8-inch steel monument
Project: Project Nun Site Locatio Logged By: Ecology I.D	n: Seattle RTM	3.001. e, WA	05.304	Y					Total Drilled Depth: 50.3 feet Diameter of Boring: 9 inches Drill Date: 3/30/18 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-147

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	Wel	li Com	pletion	(Mdd) Old	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	131313131		Concrete						2		Concrete (6 inches) BROWN SILTY SAND WITH GRAVEL (SM), moist, loose to medium dense, fine to coarse, some fines, few to little fine to coarse gravel
-				0.0 0 0 0.0		8 9 9	17	X	4		Airknife/Vac to 5 feet bgs
				0 1 0,1	MW-147-10	23 50/6	12	X	8		-
									- 12 -		LIGHT BROWN SILTY SAND (SM), moist, very dense, fine to medium, some fines, occasional sandier lenses
				0.0		50/6	6	×	14 — - 16 —		
				00	MW-147-20	50/6	6	X	- 18		GRAY BROWN LEAN CLAY (CL), moist, very hard, little fine sand
									- 22 — -	· · · · · · · · ·	-
-			Sch. 40 PVC blank casing	00		50/6	6	×	24 — - 26 —		GRAY SANDY SILT (ML), moist, very hard, some fine to medium sand, trace subrounded gravel up to 0.5-inch diameter
			Bentonite	0.0	MW-147-30	50/8	6	X	- 28 - 30		
-			Chips								
			, 4 2	0 0 0.0		26 50/6	12	X	34 — 		
				0,0	MW-147-40	50/6	6	X	38 40		GRAY SILTY SAND (SM), moist, very dense, fine to medium sand, little fines
	Proje Site L	ct Nun Locatio ed By:	n: Seattle	3.001 e, WA	.05.304						Total Drilled Depth: 81.5 Diameter of Boring: 9 Inches Drill Date: 4/2/18 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-147

Well Completion	(Midd) Olid	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
	0.0		50/5	6	X				
	00	MW-147-50	50/6	6	X	46 — 48 — 50 —		GRAY SANDY SILT (ML), moist, very hard, some fine to coarse sand	
Sch. 40 PVC blank casing	0.0		50/6	6	×	52 54 56		GRAY SILTY SAND (ML), moist, very dense, fine to coarse, some fines, little fine grave	
- Bentonitê	00	MW-147-60 MW-901-10	50/6	6	×	58	···············		
	00		60/6	6	X	64 66 -		GRAY SANDY SILT (ML), moist, very hard, some fine to medium sand	
#2/12 Sand Filter Pack	ũ .0	M₩-147-70	50/8	6	X	68 — 70 — 72 —		GRAY SILTY SAND (SM), moist, very dense, fine to medium, some fines, trace fine to	
0.020- inch Sch. 40 PVC	0.0		50/6	6	X	74 76 78	• • • • • • • •	Coarse subrounded gravel up to 2-inch diameter GREY SANDY SILT (ML), moist, very hard, some fine to medium sand, trace fine to coarse subrounded gravel up to 1.5-inch diameter, low plasticity	
	13.001 e, WA	inen Supply .05.304		6		80		Total Drilled Depth: 81.5 Diameter of Boring: 9 Inches Drill Date: 4/2/18 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger	



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LOG OF BORING: MW-147

			<u> </u>	1				
				Sample Recovery	val	Ê		
	(Md		Juno	Rec	Sample Interval	Depth (Feet)	Graphic Log	
Well Completion	(Mdd) Old	Sample ID	Blow Count	ample	ampk	Dept	raphi	Lithologic Description
End Cap	<u> </u>		<u>a</u>	တိ	Ű			GRAY-GREEN SILTY SAND WITH GRAVEL (SM), moist, very dense, fine to coarse
	0.0		50/6	6	X			Sand, little fine to coarse gravel Extra sample driven from 81 to 81.5 feet bgs due to miscommunication with driller Submitted for grain size analysis
						82 —	1	Submitted for grain size analysis
			0.13			-		Bottom of borehole @ 81.5 feet bgs Boring backfilled with #2/12 sand from 81 to 81.5 feet bgs
_						84		Boring backfilled with #2/12 sand from 81 to 81.5 feet bgs
						86		_
-						-		
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					1	14		
					4	16		-
-								-
-					1	18 —		-
-						-		
	L [1	20		
Project: Former Amer Project Number: 141	ican Li 3.001 i	inen Supply 05.304						Total Drilled Depth: 81.5 Diameter of Boring: 9 Inches
Site Location: Seattle Logged By: RTM								Drill Date: 4/2/18
Notes: 300 lbs. Hamn	erw/l	D&M						Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



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LOG OF BORING: MW-148

	Well Con	apletion	(Mdd) Old	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feel)	Graphic Log	Lithologic Description
		Concrete				<i>a</i> y		2-		Concrete (6 inches) BROWN SILTY SAND WITH GRAVEL (SM), moist to wet, loose, fine to coarse, little fines, little subrounded to subangular gravel, trace roots and debris, (FILL)
		•	0.0 0 0		4 5 5	18	X	4		Airknife/Vac to 5 feet bgs
				MW-148-11	7 10	12		8— - 10 —		BROWN SILTY SAND WITH GRAVEL (SM), moist to wet, medium dense, fine to coarse, little fines, few to little subrounded gravel up to 2-inch diameter
			00	MVV-146-11	10	12		- 12 - 14		BROWN SAND WITH GRAVEL (SP), moist to wet, medium dense, fine to medium, few to little subrounded gravel up to 1-inch diameter
			0.0		12 13 12	18	X	- 16 — - 18 —		
-		Bentonile Chips	3.3	MW-145-20	50/6	6	X	- 20 — -		BROWN SILTY SAND (SM), moist, very dense, fine to medium; little fines, trace subrounded gravel up to 0.5-inch diameter
-		Sch. 40 PVC blank	1.4		50/6	6	X	22 — 24 —		@ 25 feet bgs orange mottling present
-		casing						26 — _ 28 — _		GRAY SILTY SAND (SM), wet, very dense, fine to medium, little fines, trace subrounded
			53.4	MW-148-30	21 50/6	12	X	30 — - 32 —		@ 30 feet bgs ColorTec reading <0.007 mg/kg
			34.3		50/6	6	X	34 — 		
				MW-148-40				38 — 40		
	Project Nu Site Locati Logged By	on: Seattle	3.001 e, WA	.05.304						Total Drilled Depth: 80.5 Diameter of Boring: 9 Inches Drill Date: 4/9/18 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

Well Completion	(M99) CII9	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feel)	C Lithologic Description
Bentonite Grout	34 1		50/6	6	X	42 44 46 48	GRAY SILTY SAND (SM), moist to wet, very dense, fine to medium, few to little fine trace subrounded gravel up to 0.5-inch diameter
Sch. 40 PVC blank casing	7.2	MW-148-50	50/6	6	X		GRAY SANDY SILT (ML), moist, very hard, little fine to medium sand, low plasticity
Bentonite Pellets	2.3	MW-148-60	50/6	6	X	58 -] 60 - 62 -	DARK GRAY SAND (SP), wet, very dense, fine to medium, trace silt @ 60 feet bgs sample collected for grainsize analysis
#2/12 Sand Filter Park	31		31 50/6	12	X	64 - 66 - 68 -	GRAY SAND WITH SILT (SP-SM), wet, very dense, fine to coarse, few fines, trace subrounded gravel up to 1-inch diameter
0.020- inch Sch Screen	1.0	MW-148-70	50/6 60/8		X	72 -	Driller noted passing through approximately 1 foor of gravel (GP) GRAY SILTY SAND WITH GRAVEL (SM), wet, very dense, fine to coarse, few to I fines, little subrounded to subangular gravel up to 2-inch diameter
	413.00 Ille, W	1.05.304 A	y y			78 · 80	Total Drilled Depth: 80.5 Diameter of Boring: 9 Inches Drill Date: 4/9/16 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-148

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				ove	Iaval			
	(M99) Olq		Blow Count	Sample Recovery	Sample Interval	Depth (Feet)	Graphic Log	
	a) O	Sample	Ŭ	ad a	망년 위대	Ht I	, Ha	
Well Completion		D		San	Sar			Lithologic Description
End Cap	3.2	MW-148-80	80/6	6			m	
-						-	1	Bottom of borehole @ 80.5 feet bgs
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Project: Former Amer	rican L	inen Supply	r					Total Drilled Depth; 80.5
Project Number: 141 Site Location: Seattle	13.001 e, WA	.05.304						Diameter of Boring: 9 Inches Drill Date: 4/9/16
Logged By: KWS								Drilled By: Cascade Drilling
Notes: 300 lbs. Hamn	ner w/	Ľ&M						Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

	1		а Т	· · · ·	1	1	1	
Well Completion	(Mqq) Olq	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
- Concrete	0.0		50/6	6	X	0 2 4 5		Concrete (6 inches) GRAY BROWN SILTY SAND (SM), moist, medium to very dense, fine to coarse, little to some fines, trace subrounded to subangular gravel up to 1-inch diameter Air knife/Vac to 5 feet bgs
- Bentonile Chips	0.0 0.1 0.0	MW-153-10	12 18 18	17	X	8 10 12		
	0.1		50/6	6	X	14 — - 16 —		-
	01	MW-153-20	33 50/6	12		- 18 20 - 22		GRAY SANDY SILT (ML), moist, very hard, some fine to medium sand
Sch. 40 PVC blank casing	01		50 <i>1</i> 6	6	X	22 - 24 26		BROWN GRAY SILTY SAND (SM), moist, very dense, fine to medium, some fines, mottling present
- Bentonite Grout	0.1	MW-153-30	50/8	6	X	28		
	0.0		50/6	6		34 — - 36 —		GRAY GRAVEL WITH SAND (GP), wet, very dense, fine to coarse, few fines, some
		.05.304	50/2	12		38		Total Drilled Depth: 130.5 Diameter of Boring: 9 Inches Drill Date: 3/27/18
Logged By: RTM Notes: 300 lbs, Ham								Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-153

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	Well	Com	pletion	(Mdd) Old	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
-						60	ŭ	S		0	GRAY SILTY SAND (SM), moist, very dense, fine to coarse, some fines, trace rounded gravel	-
-									42 -			-
-				0,1 0.1		31 50/6	12	X	44			-
-									46 -			_
-									48 -		GRAY SILTY SAND (SM), moist, very dense, fine to coarse, little to some fines	
-				01	MW-153-50	50/6	5		50 -			-
-									52		CRAV OILTV SAND (CM) maint was debre wedeninger (in the second with	-
F				0,1		50/6	4	×	54		GRAY SILTY SAND (SM), moist, very dense, predominantly fine sand with some mediun to coarse, some fines, close to being sandy silt	
-									- 56 –			-
-									- 58			_
Ļ									- 60 —		GRAY SILTY SAND (SM), moist, very dense, fine to coarse, some fines, few fine to coars subangular to subrounded gravel	- 50-
			Bentonitë Grout	0.1	MW-153-61	80/5	5	×	- 62 —			_
				0.0		50/6	6	X	64 —		GRAY SANDY SILT (ML), moist, very hard, some fine to medium sand, trace coarse	
			Sch. 40	0.0		2010	Ū		66		rounded gravel	_
L			PVC blank casing						- 68			-
L			Ū	0.1	MW-153-70	80/8	6	×	70 —			-
-									-		CRAY OU TV SAND (SM) maint used done for to reading a set for	
F									72 -		GRAY SILTY SAND (SM), moist, very dense, fine to medium, some fines, trace subrounded to subangular gravel up to 0,5-inch diameter	
-				0.0		80/6	6	×	-			
-									76			-
-				0,0	MW-153-80	80/5	5		78		GRAY SANDY SILT (ML), moist, very hard, some fine to medium sand, very consolidated	<mark>با</mark> ا
	Projec Projec Site Lo Logge Notes	ocatio ocatio ed By:		rican L 3.001 e, WA	inen Supply .05.304				80		Total Drilled Depth: 130.5 Diameter of Boring: 9 Inches Drill Date: 3/27/18 Drilled By: Cascade Drilling Drill Method: Hollow Stern Auger	



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-153

	Well Comp	pletion	(M99) OI9	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feel)	Graphic Log	Lithologic Description
			0.1		60/6	6	X	62 64 86	• • •	GRAY SILTY SAND (SM), moist, very dense, fine to medium, little fines
		Bentonile	00	MW-153-90	50 <i>1</i> 6	6	X	- 88 90 		GRAY SILTY SAND (SM), moist, very dense, fine to medium, little fines
		Grout	0.1		50/6	5	X	92 — 94 — 96 —	· · · · · · · · · · · · · · · · · · ·	Portion of fine sand increases
		Sch. 40 PVC blank casing	00 00 0.0	MW-153- 100	13 15 15	14	X	98		GRAY SILTY SAND (SM), moist, dense, fine to medium, few to little fines
			0.0 0.0 0 0		10 9 13	14	X	104 106 108		@ 102 feet bgs driller noted material began to feel harder
-		Bentonile Pellets	0.0	MW-153-110	30 50/6	12	X	10		GRAY SAND WITH SILT (SP), moist, dense to very dense, fine to medium, trace to few fines
			0.1		37 50/6	12		114 — 116 — 118 —		
	Project Nur Site Locatio Logged By:	on: Seatt	13.001 Ie, WA	1.05.304 A	40 50/8	12		20		Total Drilled Depth: 130.5 Diameter of Boring: 9 Inches Drill Date: 3/27/18 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-153

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Well Co	mpletion	(MPP) CIP	Sample ID	Blow Count	Sample Recovery	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
	#2/12 Sand Filter Pack 0.020- inch Sch.	0.0		50/6	6	X			GRAY SILTY SAND (SM), moist, very dense, fine to medium, little fines	
	40 PVC Screen End Cap	0.1	MW-153- 130	50/6	6	X	26 — 28 — 30 —		GRAY GREEN SAND WITH SILT AND GRAVEL (SP), wet, very dense, fine to coarse, few fines, little fine to coarse subangular to subrounded gravel Bottom of borehole @ 130.5 feet bgs	
-						7	32 34 36		Bollom of Dorenole @ 130.3 teet bgs	
							- 38 40			
-						1	42 44 46 -			
						1	48 50 52			
-						Ą	54			
- Project: Project N Site Loca Logged B Noles:	umber: 141 tion: Seattle	3.001. e, WA	05.304				58 — 60		Total Drilled Depth: 130.5 Diameter of Boring: 9 Inches Drill Date: 3/27/18 Drilled By: Cascade Drilling Drilli Method: Hollow Stern Auger	



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LOG OF BORING: MW-154

10-134

Well Con	npletion	(MPP) DIA	Sample ID	Blow Count	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
		1				11	0 - 2-		Lithology consistent with adjacent MW-153. See MW-153 log for lithology.
NANA W	Concrete						-		
	Bentonite						4-		A DE CARLOS PROVINCIÓN
	Chips						6-		Air knife/Vac to 5 feet bgs
							8—		
							10 -		
	C-1 40						12-		
	Sch. 40 PVC Casing						-		
							19		
							16 -		
							18 -		
							20 —		
							22 —		
	#2/12						24 -		
	 Silica Sand 						26 —		
							- 28 -		
	0.020-						-		
	_ inch Sch. 40 PVC Screen						30 —		
							32 —		
							34 —		
	End Cap						36 —	1	Bottom of Boring at 35.6 feet Well Completion Details:
							38 —		Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with #2/12 Sand
							40 —		Total Well Depth: 35.6 feet Well Sump/Endcap: 35.2 to 35.6 feet
							42 -		Well Screen: 25.3 to 35.2 feet Well Riser: 0.6 to 25.3 feet
							- 44		Filter Pack: 83 to 95.5 feet Well Seal: 4 to 23 feet (hydrated bentonite chips)
							1		Surface Seal: 0 to 4 feet (concrete) Well Monument: Flush with grade 8-inch steel monument
							46 —		
							48 -		
					_	-	50	-	
Project Nu Site Locati Logged By	on: Seattl	13.001. e, WA	05.304	/					Total Drilled Depth: 35.5 feet Diameter of Boring: 9 inches Drill Date: 3/30/18 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-155

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Well Completion	(MPR) (MPR)	Sample ID	Blow Count	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
Sch. 4 PVC Casing #2/12 Silica Sand	ete nite 0		ā	<u>-</u> ₩	Ŭ.	0 - - - - - - - - - - - - -	0	Lithology consistent with adjacent MW-148. See MW-148 log for lithology. Air knife/Vac to 5 feet bgs	
0.020- inch S 40 PV0 Screen	ch: C n					24 — 26 — 28 — 30 —		Bottom of Boring at 30 feet Well Completion Details:	
						32		Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with #2/12 Sand Total Well Depth: 30 feet Well Sump/Endcap: 29.6 to 30 feet Well Screen: 19.5 to 29.6 feet Well Riser: 0.3 to 19.5 feet Filter Pack: 18 to 30 feet Well Seal: 4 to 18 feet (hydrated bentonite chips) Surface Seal: 0 to 4 feet (concrete) Well Monument: Flush with grade 8-inch steel monument	
Logged By: RTM	1413.00 seattle, W	1.05.304	y		1			Total Drilled Depth: 30 feet Diameter of Boring: 9 inches Drill Date: 4/10/18 Drilled By: Cascade Drilling Drill Method: Hollow Stem Auger	



Public Review Draft LOG OF BORING: MW-315

Well Com		(Mdd) Old	Sample ID	Sample Recovery (in)	Sample Interval	o Depth (Feet)	Graphic Log	Lithologic Description
	Concrete Bentonite Chips			NR	X	0 - - - - - - - - - -		Lithology consistent with adjacent MW-316 See MW-316 log for lithology Air knife & vac to 5.5 feet
	Sch. 40 PVC Casing			NR		12		
	#12-20 Silica			NR NR		24 — 26 — 28 — 30 — 32 — 34 — 36 —		
	Sand 0.020-inch Sch. 40 PVC Screen End Cap			NR	Ì	38 40 42 44 46 48		
						$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Bottom of Boring at 48 feet NR = Not Recorded Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with #12-20 Sand Total Well Depth: 47.7 feet Well Sump/Endcap: 47.4 to 47.7 feet Well Screen: 37.5 to 47.4 feet Well Riser: 0.5 to 37.5 feet Filter Pack: 36 to 48 feet Well Seal: 1.2 to 36 feet (hydrated bentonite chips) Surface Seal: 0 to 1.2 feet (concrete) Well Monument: Flush with grade 8-inch steel monument
Project Nun Site Locatio	n: Seattle H. Small	3.001.02.						Total Drilled Depth: 48 feet Diameter of Boring: 6.25 inches Drill Date: 9/11/2019 Drilled By: Holt Services Drill Method; Sonic



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-316

 completion	(MPP) OIP	Sample ID	Sample Recovery (in)	Sample Interval	o Depth (Feet)	Bo juide U Lithologic Description
Concrete					-	Concrete GRAYISH BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine t
					2—	coarse gravel
					1	
		4.55			4-	Air knife & vac to 5 feet
	0.3	MW-316-5	$\{ i, j \}$		6—	
			54.0		÷	
	0.1		51.6		8—	
Bentonite		MW-316-10			- 10	
Chips	0.1				10-	
					12-	
					18	GRAYISH BROWN SAND (SP), moist, fine, few fines
		MW-316-15	1.1.2		14 —	GRAYISH BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine t coarse gravel
		1000-010-10	120		16	
					-	
					18 —	
Sch. 40		MW-316-20			-	
PVC Casing	0.1	10100-310-20			20-	
	0.3				22 —	
	0.1				-	
		MW-316-25		М	24 —	
	0.5	10100-23	120		26-	
					-	
	0.4	-			28 —	
		MW-316-30			-	
	0.1	10-01 0-00			30 —	
	0.3				32 —	
	0.2	÷				
	0.1	MM/ 246 25			34 —	
	0.2	MW-316-35	120		- 36	at 35 feet: color transitions to gray
					- 00	
	0.1				38 —	at 37 feet: sample collected for physical analysis
	0.1				40	
ation: Seattle	3.001.0 e, WA					Total Drilled Depth: 70.1 feet Diameter of Boring: 6 inches Drill Date: 9/9/19-9/10/19 Drilled By: Holt Services



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-316

Well C	Completion	(MPG) (DIQ	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	b juic b b b b b b b c b c b c b c c b c c b c	
		0.7	MW-316-40	1				
		0.5 0.6			V	42 —		
	Bentonite	0.1	MW-316-45	108	I	44 —		
	Chips	0.3				46 —		
		0.3				48 —	GRAY SILT WITH SAND (ML), moist, little sand, few gravel	1
	Sch. 40	A.5.	170 147.84			-		
	PVC Casing	0.2 0.1	MW-316-50		T	50 — -	DARK GRAY SILTY SAND (SM), moist, some fines, few gravel	
		0.3			I	52 —	DARK GRAY SILTY SAND WITH GRAVEL (SM), moist, little fines, little gravel	
		0.5				54 —	GRAY SILT WITH SAND (ML), moist, little fine to medium sand, few gravel	
		0.8	MW-316-55	120		- 56		
		0.6				-	::::::::::::::::::::::::::::::::::::::	
	2	0.2				58 —	at 58 feet: sample collected for physical analysis	
	#12-20	0	MW-316-60			60 -	GRAY SILTY SAND WITH GRAVEL (SM), wet, little fines, little gravel	
	Sand	0.1					GRAY SILLY SAND WITH GRAVEL (Sivi), wet, little lines, little graver	
		0.1			I	62 —		
	0.020-inch Sch. 40				I	64 —	GRAY SILTY SAND (SM), wet, fine to medium, little fines, trace gravel	
	PVC Screen	0.2	MW-316-65 MW-2001- 65	120		-		
						- 00	GRAY SILTY SAND WITH GRAVEL (SM), wet, some gravel, little fines	
	Native	0.1				68 —		
	Material End Cap	0.1	MW-316-70			- 70 —		
	THE ARK					13	Bottom of Boring at 70.1 feet	
						72 —	Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine sk screen with #12-20 Sand	otted
						74—	Total Well Depth: 70.1 feet Well Sump/Endcap: 69.8 to 70.1 feet	
						76 —	Well Screen: 59.8 to 69.8 feet Well Riser: 0.2 to 59.8 feet	
						-	Filter Pack: 58 to 67.1 feet Well Seal: 2 to 58 feet (hydrated bentonite chips) Surface Seal: 0 to 2 feet (concrete)	
						78 —	Well Monument: Flush with grade 8-inch steel monument	
						- 80		
	Number: 141 cation: Seattle I By: H. Small	3.001.0 a, WA	nen Supply 12.501B				Total Drilled Depth: 70.1 feet Diameter of Boring: 6 inches Drill Date: 9/9/19-9/10/19 Drilled By: Holt Services Drill Method: Sonic	



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-325





PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-326

Well Completion	(Mdd) Old	Sample ID	Sample Recovery (in)	Sample Interval	o Depth (Feet)	Graphic Log	Lithologic Description
Concrete							BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fine to cour
Bentonite Chips Sch. 40 PVC Casing					2		subangular to subrounded gravel (up to 2-inch diameter), trace cobbles (FILL)
					4-		Air knife & vac to 5 feet
	0.0	MW-326-5		-	1.1		BROWN SILTY SAND (SM), moist, fine to coarse, some fines, few fine to coarse
	0.0			V	6—		subangular to subrounded gravel
	0.1		57				
	0.5	(8—		
Dentenite	0.3	MAL 226 10			-		
Bentonite Chips	0.3 0.0	MW-326-10			10 —		
	0.2 0.4						
	1.1				12 —		
	0.9				50		BROWN SANDY SILT (ML), moist, some fine sand, few fine subangular to subrounded
	3.2	MW-326-15	5.5		14		gravel
	0.9	1010 020 10	120		10		at 15 feet; wet
	1.7				16 —		BROWNISH GRAY SANDY SILT (ML), moist, some fine to medium sand, trace coarse subangular to subrounded gravel, low plasticity, trace wood pieces, mottling
	2.3				18 —		BLACK SANDY SILT (ML), moist, some fine to coarse sand, trace fine subrounded to
	0.8				-		rounded gravel, little organics, swamp-like odor BROWN SANDY SILT WITH GRAVEL (ML), moist, some fine to coarse sand, little fine
Sch. 40 PVC	0.6 1.1	MW-326-20			20 —		coarse subangular to subrounded gravel
Casing	0.9 5.3				-		at 18.5 feet: color transitions to gray
	0.8				22 —		GRAY SANDY SILT (ML), moist, some fine sand, gray- and yellow-brown mottling GRAY SILTY SAND (SM), wet, fine, some fines
	0.7 1.4				÷		Star Oler i Save (Sw), wet, ine, some ines
	0.8	40.00 0		M	24 —		GRAY SILT WITH SAND (ML), wet, little fine sand, some mottling
	0.7	MW-326-25	120		-		BROWN SILTY SAND (SM), wet, fine to medium, little fines, gradational contact with u
	5.2 1.8				26 —		below
	1.2				5		BROWN SAND WITH SILT (SP), wet, fine to medium, few fines
	0.7				28 —		
	0.8 0.7	MW-326-30			-		
	3.2	1010 0-02 0-30			30 —		BROWN SILTY SAND (SM), moist, fine to medium sand, little fines, sand fining with
	1.4				-		depth
	1.4				32 —		
	0.9						
	1.1	MW-326-35			34 —		
			120		20		
					- 06-		
					20		
	1.1				36-		
	1.6	MW-326-40	-		40		at 39 feet: fine sand
oject: Former Amer oject Number: 141 te Location: Seattle gged By: R. McLau	1.6 ican Lir 3.001.0 e, WA	nen Supply			36 — 38 — 40		at 39 feet: fine sand Total Drilled Depth: 100.1 feet Diameter of Boring: 6 inches Drill Date: 9/9/19-9/10/19 Drilled By: Holt Services



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-326

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ompletion	(Mad) Old	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
		1.0			W	11 -		
		0.9				42 —		
		1.0				-		at 43 feet: some fines
		1.0	e			44 —		GRAY SANDY SILT (ML), wet, some fine sand, loose
		0.8	MW-326-45	120		1		
		1.0				46 —		
		0.9				-		GRAY SILT WITH SAND (ML), wet, little fine sand, loose
		0.9	-			48 —		BROWNISH GRAY SILTY SAND (SM), wet, fine to medium, some fines, mottling
	10.00	0.8	121.22.43			÷	•	BROWN GRAVEL WITH SAND (GP), wet, fine to coarse, subangular to subrounded,
	 Bentonite Chips 	0.9	MW-326-50			50 —		some fine to coarse sand, trace fines, mottling present
		1.2				-		BROWN SILTY SAND (SM), wet, fine to medium, little fines, trace coarse subangular subrounded gravel
		1.4				52 —		Subjectived Binter
		1.0				÷		at 52 feet: 4-inch layer of coarse subangular to subrounded gravel
		1.3	10.000			54 —		
		1.1	MW-326-55	120		÷		
		1.4	100			56 —		
		0.9				6.3-		
		1.3				58 —		BROWN SILTY SAND WITH GRAVEL (SM), wet, fine to coarse, little fine to coarse
	Seb 40	1.2	6.00					subangular to rounded gravel, little fines, coarsening with depth
	Sch. 40 PVC	(1.7)	MW-326-60			60 —		BROWN SILTY SAND WITH GRAVEL (SM), wet, fine to medium, some fine to coars
	Casing	0.8				-		subangular to rounded gravel, some fines, trace rounded cobbles
		0.9				62 —		
		0.9				-		
		0.8	Sec. and		M	64 —		
		0.9	MW-326-65	120		-		at 65 feet: fines "sticky"
	1. L	0.7				66 —		
		1.2				13		BROWN SILTY SAND (SM), moist, fine to coarse, little fines, few fine subangular to rounded gravel
		1.1				68 —		Signal Signal
		0.7	and some the			-		at 68 feet: trace gravel
		1.3	MW-326-70			70 —		
		1.2				i Pe		
		0.9				72 —		
		1.0				-		
		1.1				74 —		
		0.8	MW-326-75	120		13		GRAY SILTY SAND (SM), wet, fine to coarse, little fines, trace fine gravel, coarsening
		0.7				76 —		with depth
		0.7				1		
		0.9				78 —		
		1.0	-					
	-	0.8	MW-326-80	_		80		
	ation: Seattle	13.001.0 e, WA						Total Drilled Depth: 100.1 feet Diameter of Boring: 6 inches Drill Date: 9/9/19-9/10/19 Drilled By: Holt Services



PES Environmental, Inc. Engineering & Environmental Services

LOG OF BORING: MW-326

Well C	Completion	(MPP) (MPP)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	Bentonite Chips Sch. 40	0.7 0.8 0.7 0.8 0.9 0.8 0.8	MW-326-85	120		82 — 84 — 86 —		GRAY SAND WITH SILT (SP), wet, fine to medium, few fines, trace subrounded to rounded fine to coarse gravel, homogeneous, gradational contact with unit below
	PVC Casing #12-20 ▼ Silica Sand	0.7 0.8 0.8 1.2 0.8	MW-326-90		ł	88 - 90 - 92 -		
	0.020-inch Sch. 40 PVC Screen	1.1 0.9 1.0 1.1 1.2 0.8	MW-326-95 MW-2001- 95	120		94 — 96 — 98 —		
	End Cap	0.9 1.1	MW-326- 100			100 -		Bottom of Boring at 100.1 feet () Denotes PID reading taken in bag headspace, all other readings taken in open air immediately adjacent to soil Well Completion Details:
						104 - 106 - 108 -		Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with #12-20 Sand Total Well Depth: 100.1 feet Well Sump/Endcap: 100 to 100.1 feet Well Screen: 90 to 100 feet Well Riser: 0.3 to 90 feet Filter Pack: 88 to 100.1 feet Well Seal: 2 to 88 feet (hydrated bentonite chips) Surface Seal: 0 to 2 feet (concrete) Well Monument: Flush with grade 8-inch steel monument
						110 — - 112 — - 114 —		
						114 116 — 118 —		
Project:	Former Amer	ican Lin				120		Total Drilled Depth: 100.1 feet
	Number: 141 cation: Seattle By: R. McLau	3.001.0 a, WA						Diameter of Boring: 6 inches Drill Date: 9/9/19-9/10/19 Drilled By: Holt Services Drill Method: Sonic





FIG. B-10 Sheet 2 of 3

