APPENDIX B

Boring Logs from PRDI

	se Fraction e	≤5% Fines		GW	Well-graded GRAVEL Well-graded GRAVEL WITH SAND
200 Sieve	1% ¹ of Coars No. 4 Siev	%5≅	000000000000000000000000000000000000000	GP	Poorly-graded GRAVEL Poorly-graded GRAVEL WITH SAND
ned on No.	Gravels - More than 50%¹ of Coarse Fraction Retained on No. 4 Sieve	Fines		GM	SILTY GRAVEL SILTY GRAVEL WITH SAND
50%1 Retai	Gravels - N	≥15% Fines		GC	CLAYEY GRAVEL CLAYEY GRAVEL WITH SAND
Coarse-Grained Soils - More than 50%1 Retained on No. 200 Sieve	Fraction	Fines		sw	Well-graded SAND Well-graded SAND WITH GRAVEL
ained Soils -	re of Coarse o. 4 Sieve	%5≅		SP	Poorly-graded SAND Poorly-graded SAND WITH GRAVEL
Coarse-Gra	Sands - $50\%^1$ or More of Coarse Fraction Passes No. 4 Sieve	Fines		SM	SILTY SAND SILTY SAND WITH GRAVEL
	Sands - {	≥15% Fines		sc	CLAYEY SAND CLAYEY SAND WITH GRAVEL
Sieve	S 50 70%	ها در ا		ML	SILT SANDY or GRAVELLY SILT SILT WITH SAND SILT WITH GRAVEL
e Passes No. 200 Sieve	Silts and Clays	ווווור דבפס ווו		CL	LEAN CLAY SANDY or GRAVELLY LEAN CLAY LEAN CLAY WITH SAND LEAN CLAY WITH GRAVEL
	S -	Lidaid L		OL	ORGANIC SILT SANDY or GRAVELLY ORGANIC SILT ORGANIC SILT WITH SAND ORGANIC SILT WITH GRAVEL
ls - 50%1 or	ys Y More	D		МН	ELASTIC SILT SANDY or GRAVELLY ELASTIC SILT ELASTIC SILT WITH SAND ELASTIC SILT WITH GRAVEL
Fine-Grained Soils - 50%1 or Mo	Silts and Clays			СН	FAT CLAY SANDY or GRAVELLY FAT CLAY FAT CLAY WITH SAND FAT CLAY WITH GRAVEL
Fine-	S G	Lidaid		ОН	ORGANIC CLAY SANDY or GRAVELLY ORGANIC CLAY ORGANIC CLAY WITH SAND ORGANIC CLAY WITH GRAVEL
Highly	Organic Soils			PT	PEAT and other mostly organic soils

"WITH SILT" or "WITH CLAY" means 5 to 15% silt and clay, denoted by a "-" in the group name; e.g., SP-SM • "SILTY" or "CLAYEY" means >15% silt and clay • "WITH SAND" or "WITH GRAVEL" means 15 to 30% sand and gravel. • "SANDY" or "GRAVELLY" means >30% sand and gravel. • "Sub-graded" means approximately equal amounts of fine to coarse grain sizes • "Poorly graded" means unequal amounts of grain sizes • Group names separated by "/" means soil contains layers of the two soil types; e.g., SM/ML.

Soils were described and identified in the field in general accordance with the methods described in ASTM D2488. Where indicated in the log, soils were classified using ASTM D2487 or other laboratory tests as appropriate. Refer to the report accompanying these exploration logs for details.

- Estimated or measured percentage by dry weight
 (SPT) Standard Penetration Test (ASTM D1586)
 Determined by SPT, DCPT (ASTM STP399) or other field methods. See report text for details.

MC PS FC GH AL C Str OC Comp K SG	= F = H = H = Q = Q = Q = Q	Natural Moisture Content Particle Size Distribution Fines Content (% < 0.075 mm) Hydrometer Test Atterberg Limits Consolidation Test Strength Test Organic Content (% Loss by Ignition) Proctor Test Hydraulic Conductivity Test Specific Gravity Test	NICAL LAB TESTS
	(Organic Chemicals CHEN	VICAL LAB TESTS
BTEX TPH-Dx TPH-G VOCs SVOCs PAHs PCBs RCRA8 MTCA5 PP-13	= [[= [()]]] = [()] [()] = [()] [()] [()] = [()] [()] [()] = [()] [()] = [()] [()] = [()] [()] =	Benzene, Toluene, Ethylbenzene, Xylenes Diesel and Oil-Range Petroleum Hydrocarbons Gasoline-Range Petroleum Hydrocarbons Volatile Organic Compounds Polycyclic Aromatic Hydrocarbon Compounds Polychlorinated Biphenyls Metals As, Ba, Cd, Cr, Pb, Hg, Se, Ag, (d = dissolved, t = tol As, Cd, Cr, Hg, Pb (d = dissolved, t = total) Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn (d=control of the control of the c	
PID	= F	Photoionization Detector	FIELD TESTS
Sheen SPT ²		Dil Sheen Test Standard Penetration Test	
NSPT		Non-Standard Penetration Test	
DCPT	= [Dynamic Cone Penetration Test	
Descript Boulders Cobbles Coarse C Fine Gra Coarse S Medium Fine Sar Silt and	Grave avel Sand Sand nd	= Larger than 12 inches = 3 inches to 12 inches I = 3 inches to 3/4 inches = 3/4 inches to No. 4 (4.75 mm) = No. 4 (4.75 mm) to No. 10 (2.00 mm)	COMPONENT DEFINITIONS
% by We	eight	Modifier % by Weight Modifier	ESTIMATED ¹
<1 1 to <5 5 to 10	= =	Subtrace 15 to 25 = Little Trace 30 to 45 = Some Few >50 = Mostly	PERCENTAGE
Dry		= Absence of moisture, dusty, dry to the touch	MOISTURE

Moist Damp but no visible water Very Moist Water visible but not free draining

Wet Visible free water, usually from below water table

RELATIVE DENSITY Non-Cohesive or Coarse-Grained Soils

Density ³	SPT ² Blows/Foot	Penetration with 1/2" Diameter Rod
Very Loose	= 0 to 4	≥ 2'
Loose	= 5 to 10	1' to 2'
Medium Dense	= 11 to 30	3" to 1'
Dense	= 31 to 50	1" to 3"
Very Dense	= > 50	< 1"

Cohesive or Fine-Grained Soils

CONSISTENCY

Manual Test

Consistency³ SPT² Blows/Foot

Penetrated >1" easily by thumb. Extrudes between thumb & fingers. Very Soft = 0 to 1Penetrated 1/4" to 1" easily by thumb. Easily molded. 2 to 4

Soft Medium Stiff = 5 to 8 Penetrated >1/4" with effort by thumb. Molded with strong pressure.

= 9 to 15Stiff Indented $\sim 1/4$ " with effort by thumb. = 16 to 30 Indented easily by thumbnail. Very Stiff = > 30 Indented with difficulty by thumbnail.

GEOLOGIC CONTACTS

Observed and Distinct Observed and Gradual Inferred



Exploration Log Key

	Δ	spe	ct	Harri	s A	ve	Sh	ip	yaı	<u>'d (</u>	ار ۱۴۵	Spanie	up PRDI c Location	- 2′	10195	Geotechnical Exp	DIORATION LOG	g
7		NSULT) 1 1	larria	-					•	<i>c Location</i> 25, C l eanup	Λ	2	Coordinates (Lat,Lon WGS84)	1 '	
_		ontractor	ING				Ave	, BE	eiiing	nam	, vv		npling Method		2	48.7209, -122.5151 (est) Ground Surface Elev. (NAVD88)	AB-01	
					juipme								, ,			, , ,		
		ade Drillir	ng	TSI 1500					Α	utoh			140 lb hamm		" drop	15.5' (est)		
	(Operator		Explorat	tion M	ethoa	l(s)				W	ork Sta	nt/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow G
-	Charl	es Win l aı	nd		Sonic	;						4	4/26/2022			NA	11' (ATD)	
	Elev.	Expl	oration N	Notes and	Sai	mple	W			ot ▲ nt (%)		Blows/6'	Tests	Materia	al	Description		De
eet)	(feet)	Co	mpletion	Details	Typ	pe/ID			0 30					Type	SILTV	SAND WITH CDAVEL (SM): In	aca maiat brown	(f
1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 -	15		Blow counts likel overstated due to presence of grav			S3 S2 S1	<u> </u>			40		7 7 7 8 8 0 0 1 1 21 19	AB-01-2.5-4.0 AB-01-5.0-6.5		Become fragmer SILTY brown a	SAND WITH GRAVEL (SM); lo fine to coarse sand; fine to coarse sand; fine to coarse sand; fine to coarse shows yellow with subtrace softs. SAND (SM); medium dense, mind orange; fine sand; little fine, soft with the sand; little fine, soft with the sand; little fine, soft with the sand; fine to coarse, subrate sand; fine s	chell and wood bist, gray; mottled subrounded gravel.	
9 -	- 6 - 5		∇ 4/36/17	2022														_ 1
11-	-		<u>+</u> +120/2	LUZZ			\vdash †	-	\vdash \uparrow	一十	7				Mottle	d brown and orange.		+1
	4														1 01 7/	SAND WITH GRAVEL (SM); ve	un logo sust	4
																ine to coarse sand; fine, subrou		
2-	-						\vdash \dagger	-	\vdash \dashv	-+	+				- 210vvii,	10 000,00 00,10, 11110, 000100	9.4401.	+
	3														.			
	3											1	AB-01-12.5-13.		<u>:</u>			
3-	_						$\perp \downarrow$	_	$\perp \downarrow$	$ \downarrow$	-	1 ' 2	ا.13-13. ا -ادا		[-]			+
-					П	84						2			[·]			
	2						•								[:]			
					-										[]			
14-	-	M M M			Н		\vdash †	-	\vdash \uparrow	-†	+			1	Bottom	of exploration at 14 ft. bgs.		+
	1																	
	Leg	jend				Plasti	c Limi	t I		I Liqu	id Li	imit		[0 5	anation LandZevictor - 1 - 0		
υ		No Soil S	Sample	Recovery				Ž	Zν	ater	Le	vel AT	D D		See Expl of symbo	oration Log Key for explanation	Exploration	on
Type		Continuo	us core	e 4" I D			Water								•		Log	
ਰੂ∠ੇ				. 1.375" (SF	PT)		Š å	3							Logged I		AB-01	
				(3.	,										Approve	d by: MVDA/SG	Sheet 1 of 1	

	<u>Co</u>	Spec	I			rroj	uci /	-uure:	55 & S	ie specii	ic Location			. CONTRACTOR I STI ON VVIENZA)	Exploration Numb	
		NSULTIN					_			•			_	Coordinates (Lat,Lon WGS84)		ber
	C					Ave	, Ве	elling	ham,		225, Cleanu		2	48.7209, -122.5151 (est)	AB-02)
		ontractor	Eq	uipme	nt					Sa	mpling Method	d		Ground Surface Elev. (NAVD88)	/ 10 02	
c	Casc	ade Drilling	TSI 1500	CC S	onic	Rig		Α	utoha	mmer;	140 I b hamr	ner; 30"	drop	15.4' (est)		
C	C	Operator	Explorat	tion Me	ethod	l(s)				Work St	art/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	w GS
	Charle	es Winland		Sonic							4/26/2022			NA NA	10' (ATD)	
	Elev.	Explorati	ion Notes and	Sar	nple	\/\/:	Blo ater (ws/fo	ot 🔺	Blows/6		Material		Description	` '	Dep
et)	(feet)	Comple	etion Details	Тур	e/ID				40 5			Type	SAND	WITH GRAVEL (SW); loose, m	oist brown fine to	(f
	15													and; fine to coarse, subangular		
1 +	14	Bac	ckfilled with Irated bentonite									00.00		EL WITH SAND (GW); loose, mand; fine to coarse, subangular		+ 1
2 +			os.			_	_	_	_	_						\downarrow 2
	13													WITH GRAVEL (SW); loose, m and; fine to coarse, subangular		
3 +									_ [_	5	AB-02-2.5-4.0		graver.			+ 3
	12				S-1					4] `
													fine to c	SAND WITH GRAVEL (SM); lo parse sand; fine to coarse, suba	ngular to	
1 +	11			П							AB-02-4.0-5.0		subroun	ded gravel; trace shell fragment	S.	†'
5 +										2		8.8.9 D G		EL WITH SAND (GW); very loos		+
	10				-5					2 2		200	to coars	e sand; fine to coarse, subround	led gravel.	
3 +	,			\mathbb{M}	S-2	$ \mathbf{A} $	-	-+	- -	-			CLAYE	Y SAND WITH GRAVEL (SC);	very loose moist	+ 6
	9										AB-02-6.0-7.5		gray; fin	e to coarse sand; fine, subround	led gravel; trace	
₇							_		_				3 I Cil I I a	gments.		1 :
	8															'
										3 5						
8 +					S-3	\vdash		- †	- -	9						+ 8
	1						•					8 8 %		GRAVEL (GM); medium dense,		1
9 🕂						\vdash	-	-+		+			to coars	e sand, coarse, subrounded gra	vel.	+ 9
	6												q >}			
10+		<u>∑</u> 4	/26/2022									8,8	_			+1
	5											8.8.	Becom	es wet and mottled brown and o	range.	'
1+						\vdash					AB-02- 11.0-12.0		SILTY	SAND WITH GRAVEL (SM); me to coarse sand; fine to coarse	edium dense, wet,	+1
	4												gray, iin	race wood fragments.	SUDIOUTIUEU	
12+	,					$\vdash \dotplus$	-	-+		+			· ·			1
	3												Rottom	of exploration at 12.5 ft. bgs.		-
13-							_	_	_				DOLLOTT (סו באטוטו מנו וב.ס π. bgs.		+1
	2															
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14+	1					$\lceil \rceil$		_ †								+1
	'															
		jend		F	Plasti	c Limi	_		Liquid		<u>-</u>	1	See Expl	oration Log Key for explanation	F1- 4*	<u>↓</u>
Type Type			ple Recovery			<u>ā</u> <u>a</u>	<u>•</u> ₹	∠ W	ater L	.eve l AT	ט		of symbo		Exploration Log	on
Type		Continuous				Water							Logged b	v: JRG	AB-02	
ō '¯		Split Barrel 2	2" X 1.375" (SF	(۱۲		>-	1							l by: MVDA/SG	Sheet 1 of 1	

	spect	паггіѕ	Ave	Proje	pyare	d Cl	leant • Specifi	up PRD c Location	- 21	0195	Geotechnical Exp Coordinates (Lat,Lon WGS84)	Dioration Log	g ther
	NSULTING	20.	1 Harri					:25, Cleanu	Δrec	,	48.7208, -122.5153 (est)	'	
				s Ave,	Dellingi	am, v				:	Ground Surface Elev. (NAVD88)	- AB-03	3
	ontractor		pment					mpling Method					
Casca	ade Drilling	TSI 150C0	C Soni	c Rig	Αι			140 I b hamn		drop	15.1' (est)		
Oį	perator	Exploration	n Metho	d(s)			Nork Sta	nt/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow GS
Charle	es Win l and	So	onic				4	4/26/2022			NA	No Water Encour	ntere
					 Blows/foo	t 🔺					· · ·	1 2	
epth Elev. eet) (feet)	Exploration N Completion		Sample Type/ID	Wat	er Conten	t (%)●		Tests	Material Type		Description		Dep (ft
1 - 14	Backfille	ed with hydrate			_ -	_ _				coarse s gravel.	WITH GRAVEL (SW); loose, m and; fine to coarse, subangular	to subrounded	
2 + 13	bentonit	te chips.			_	-	_			fine sand	WITH GRAVEL (SP); loose, mod; fine, subangular to subrounde gments; creosote odor.		- 2
3 + 12			S1		_ - -	-	5 5 5	AB-03-2.5-4.0		moist, gr	SAND WITH GRAVEL (SM); veray; low plasticity; fine sand; fine lar to subrounded gravel.	ery loose to loose, e to coarse,	- 3
1 + 11				-	_	- -							+.
10							0 2	AB-03-5.0-6.5 AB-D-2					-
9			SS	-	_	-	2			Mottled	brown and orange.		+
+ 8	Blow co	ounts likely				-							+
+ ₇	overstat presend	ed due to e of gravel.	S3			_	8 16 18	AB-03-7.5-8.5		Trace v	vood and rootlets; black staining	J.	+
6			T			-	_						+
)+ ₅										Few ro	brown and orange.		-
1- 4						-		AB-03- 11.0-12.5					-
2+ 3					_	-							-
3+ 2			\cdot \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		_	-	0 0 2						-
4- 1					_	-				Bottom o	of exploration at 14 ft. bgs.		+
4	end No Soil Sample Continuous core	- ·	Plas	Water Level		Liquid Wate		untered		See Exploof symbol		Exploration Log AB-03	on

•	Δ	spe	ct	Harri	s A	ve	Sh	ipy	arc	C	leani	up PRD	I - 21	0195	Geotechnical Exp Coordinates (Lat,Lon WGS84)	Dioration Log Exploration Number	g
7		NSULT		,	04.11		-						. ^ ^	,	, , , , , , , , , , , , , , , , , , , ,	1 '	
•			ING				Ave,	, Bei	ingn	am, v		225, Cleanup			48.7209, -122.5154 (est)	⊢ AB-04	Į.
	C	Contractor		· ·	uipme							mpling Method			Ground Surface Elev. (NAVD88)	' '.	-
_ (Caso	ade Drilli	ng	TSI 1500			_		Au			140 I b hamn		drop	15' (est)		
	(Operator		Explorat	ion M	ethoa	(s)				Work Sta	art/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow G
(Char	les Winla	nd		Sonic	;						4/25/2022			NA NA	9' (ATD)	
								Blow	s/foot	_					101	5 (***=)	\top
	Elev. (feet)		loration Nompletion	lotes and Details		mple be/ID		ater Co	ontent	(%)●	Blows/6	Tests	Material Type		Description		Dep (fi
\dashv		50020			Η'n		0 10	20	30	40 50			9190	SILTY	GRAVEL WITH SAND (GM); m	edium dense	+
														moist, gi gravel.	ray; fine to coarse sand; fine to	coarse, subangular	
1 +	- 14		Backfille	ed with													
	40		hydrated chips.	d bentonite										2-inche sand.	es SAND (SP); very loose, mois	t, light brown; fine	
2 +	- 13						$-\dagger$		7-		Ī			SILTY	SAND WITH GRAVEL (SM); ve	ery dense, moist,	$+^2$
			Blow co	ounts likely	Ш						50/6"			black; fir	ne to coarse sand; fine to coarse ded gravel; with lumber debris;	e, subangular to	
			overstat	ed due to e of gravel.							30/6	AB-04-2.5-3.0		odor	ueu graver, with fulfiber deblis, !	angin creosole	
3 +	- 12					_	-+	-	+-	-	†		10000	GRAVE	EL WITH SAND (GP); medium	dense, moist, grav:	十;
						S1							\$0000 0000 0000 0000		oarse sand; fine to coarse, suba		
											Ţ			:			
1 +	- 11						-+	$ \vdash$		- -	+						+
													80000				
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5	- 10				Ш		\perp	_	+	+	14			CANID	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	donno to donno	+
											15	AB-04-5.0-6.5			WITH GRAVEL (SW); medium ray to brown; fine to coarse san		
						S2					20			subroun	ded gravel.	a,o to ooa.oo,	
3	- 9					S		_		<u>.</u>							+
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7 +	- 8						$-\dagger$		7-		Ī			1			+
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8 +	- 7					S3	_†	-	†-	-	8			1			t
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э 🕂	- 6		∑ 4/25/2	2022	H		-+			- -	+			Becom	es wet.		+
														2000111			
														†			
0	- 5						\dashv	\dashv	+	+	-			CLAVE	EY GRAVEL WITH SAND (GC);	modium donas	+
														wet, ligh	t brown mottled orange; fine to	coarse sand: fine	
														to coarse	e, subrounded gravel.	,	
1	- 4							_		. 	1			}			1.
	•													1			
														3			
12-	. o							L		L			8/8/	4			
	- 3						-7		7					\$			+1
					Ш						2	ΔR-04		CLAVI	MITH CDAVICE (CLV:	tiff wat are:	4
	_										3	AB-04- 12.5-14.0			WITH GRAVEL (CL); medium s plasticity; fine sand; fine, subro		
3	- 2					S4	$-\dagger$	-	†-		2			1	. , , , , , , , , , , , , , , , , , , ,	3	+1
						S									a		
														2-inche	es CLAYEY SAND WITH GRAV	ÆL (GC).	
14	- 1		I		H		-+	-	-	-	†		<u>//////</u>	Bottom o	of exploration at 14 ft. bgs.		+1
		gend				Plasti	c Limit			_iquid				See Evol	pration Log Key for explanation		
<u>e</u> "				Recovery			* -	<u> </u> \\ \P	Wa	ter Le	evel AT	D		of symbol		Exploration	on
ample		Continuo					Water Level							ا معمدما ا-	ar IDC	Log	
βH		Split Bar	re l 2" X	1.375" (SF	PT)		ٽ ج							Logged b	iy: JRG I by: MVDA/SG	AB-04	
	1							1						pp. 5 4 6 6	,	Sheet 1 of 1	

ONSULTING 201 Harms Ave, Bellingham, W. 98226. Cleanup Area 2 Contractor Engineer Engineer Engineer Melloads Somic Autohammer 140 lb hammer; 30° drop 15.11 (ess) NA 12. (ATD) 12. (ATD) 12. (ATD) 12. (ATD) 13. (ASSANCE WITH SILT (ASP-AUX) 14. (ASPACE ASPACE WITH SILT (ASP-AUX) 15. (ASPACE ASPACE WITH SILT (ASP-AUX) 16. (ASPACE ASPACE WITH SILT (ASP-AUX) 17. (ASPACE ASPACE WITH SILT (ASP-AUX) 18. (ASPACE ASPACE WITH SILT (ASP-AUX) 19. (ASPACE ASPACE WITH SILT (ASP-AUX) 19. (ASPACE ASPACE WITH SILT (ASP-AUX) 19. (ASPACE ASPACE WITH SILT (ASPACE ASPACE	ιΛc	·no	~ +	Harr	is A	ve	Sh	ipya	ard C	leanı	ıp PRD	I - 21	0195	Geotechnical Exp		
ONS LETHING 201 Harris Ave. Bellingham WW. 98226. Desnup Area 2 Contractor Exproved Sampling Mintol 131 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 151 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 151 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 151 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 152 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 153 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 151 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 152 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 152 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 153 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 154 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 155 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig Autohammer. 140 b hammer, 30° drop 157 1900 CS Sonic Rig 157 1900 CS	X_D	she(U I │				-							Coordinates (Lat,Lon WGS84)	Exploration Num	nber
Autohammer; 140 ib hammer; 30" drop 15.1" (est) 16.1" (Ocol	NSULTIN	NG	:	201 F	Harris	s Ave	, Belli	ngham, \				2		A P_05	-
Correlate Exploration Methods	Coi	ontractor		Е	quipm	ent				Sar	mpling Metho	d		Ground Surface Elev. (NAVD88)	AD-03	,
Correlate Exploration Methods	Casca	ade Drilling	,	TSI 150	noo s	Sonic	Ria		Autobai	mmer: 1	IA∩ Ih hamr	ner: 30"	dron	15.1' (est)		
Trace wood fragments. Page Page			1				_						шор	I	Denth to Water (Rela	OW (
Egitarition Nates and Sample Generative (We) Blowset Tests Material Description Resolution Details Control (We) Blowset Tests Material Control (We) Blowset Generative (We) Blowset (We) Blowset Generative (We) Blowset (We)	•	•	.	LAPIOTO			1(0)				•	Bulloo				•••
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SAND WITH GRAVEL (SW), medium dense, moist, dark brown, fine to coarse sand, fine to coarse, subangular gravel. SILTY GRAVE WITH SAND (GM), medium dense, moist, dark brown, fine to coarse sand, fine to coarse, sub-angular gravel. SILTY GRAVE WITH SAND (GM), medium dense, moist, dark brown, fine to coarse sand, fine to coarse, sub-angular gravel. SAND WITH SILT AND GRAVEL (SWS-MS), medium dense, moist, dark brown, fine to coarse sand, fine to coarse, subangular gravel, sub-angular gravel, trace shell fragments. AB-05-2-4-0 AB-05-2-5-1 AB-05-2-5-1 AB-05-2-1 AB-05-2-1 AB-05-2-1 AB-05-2-1 AB-05-2-1 Becomes very loose. Trace wood fragments. CLAYEY GRAVEL WITH SAND (GC); very loose to loose, wet, gray, low plasticity, fine to coarse sand, fine to coarse, subrounded gravel. CLAYEY GRAVEL WITH SAND (GC); very loose to loose, wet, gray, low plasticity, fine to coarse sand, fine to coarse, subrounded gravel. CLAYETY GRAVEL WITH SAND (GC); very loose to loose, wet, gray, low plasticity, fine to coarse sand, fine to coarse, subrounded gravel. CLAYETY GRAVEL (CL), medium stiff, wet, gray, low plasticity, fine to coarse, subrounded gravel. CLAY WITH GRAVEL (CL), medium stiff, wet, gray, low plasticity, fine to coarse, subrounded gravel. Bottom of exploration at 14 ft. bgs.	15							7	JO 70 30							
Becoming with the coarse sand, fine to coarse, sub angular gravel. SILTY SAND (SM); medium dense, most, dark brown: fine to coarse, sub angular gravel. SILTY GRAVEL WITH SAND (GM); medium dense, most, fine to coarse, sub angular gravel. SAND WITH SILT AND GRAVEL (SW-SM); medium dense, most, brown fine to coarse sand, fine to coarse, subangular gravel, trace shell fragments. SAND WITH SILT AND GRAVEL (SW-SM); medium dense, most, brown fine to coarse sand, fine to coarse, subangular gravel, trace shell fragments. AR-05-0.6.1 AR-05-0.6.1 AR-05-0.6.2 AR-05-0.6.2 AR-05-0.6.3 AR-05-0.6.3 Becomes very loose. Trace wood fragments. CLAYEY GRAVEL WITH SAND (GC); very loose to loose, wet, gray; low plasticity, fine to coarse sand, fine to coarse, subrounded gravel. CLAY WITH GRAVEL (CI); medium stiff, wet, gray; low plasticity; fine to coarse sand, fine to coarse, subrounded gravel. Bottom of exploration at 14 ft, bgs.													4			4
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AB-05-0-65-7.0 Becomes very loose. Trace wood fragments. Locaries, subrounded gravel, trace shell fragments. Trace wood fragments. Locaries, subrounded gravel, trace shell fragments. See Exploration Log Key for explanation [Exploration of Exploration of Explor		n KORONO	nydrated	bentonite								8:8:8		oarse sand; trace fine to coarse	, sub angu l ar	/
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AB-05-2,5-4,0 6 6 7 8 8 8 8 8 8 8 8 8	8									10		118			J J00130,	
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7		spect		04 ! !					•	ic Location	- A	,	Coordinates (Lat,Lon WGS84)	Exploration Num	
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		Contractor	1	uipment						mpling Method			Ground Surface Elev. (NAVD88)	7.2 00	
(Casc	ade Drilling	TSI 1500	CC Soni	ic Rig		Α	utoha		140 I b hamn		drop	15.1' (est)		
	(Operator	Explorat	ion Metho	od(s)				Work Sta	art/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow G
(Charl	les Winland		Sonic						4/25/2022			NA	11' (ATD)	
epth	Elev.	Exploration Completion	Notes and	Sample Type/II	e w	Ble ater	ows/fo Conte	ot ▲ nt (%)●	Blows/6	S' Tests	Material		Description	1	Dep (ft
30 ()	15	Completic	on Details	Турелі	0 1	0 2	20 30	40 5	0		Type	SILTY	GRAVEL WITH SAND (GM); lo	ose to medium	+"
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1 +	14			Ш		-	\vdash		+		818	<u></u>			+ .
		Rackfi	lled with	Ш								, ,			
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d)		No Soil Sampl	e Recovery			Z			.evel AT	D		See Explo	oration Log Key for explanation	Exploration	on
Jype Type		Continuous co	· ·		iter	<u>.</u>						of symbol	15	Log	
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_		ontractor			s Ave	, Bei	lingn	am, v		25, Cleanup			48.7209, -122.5154 (est) Ground Surface Elev. (NAVD88)	⊢ AB-07	,
			· · · · ·	uipment						, ,			· '		
		ade Drilling	TSI 1500		_		Au			140 lb hamm		' drop	14.8' (est)		
	(Operator	Explorati	ion Metho	od(s)				Work Sta	nt/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow GS
	Charl	es Winland		Sonic	1					4/25/2022			NA	10' (ATD)	
	Elev. (feet)		on Notes and tion Details	Sample Type/ID	\	ater Co		▲ (%)● 40 50	Blows/6	Tests	Material Type		Description		Dep (ft
_					0 10	20	30	40 50	1		9190	SILTY	GRAVEL WITH SAND (GM); Io	ose to medium	+
											2.50	dense, n	noist, brown; fine to coarse sand lar to subrounded gravel.	d; fine to coarse,	
	14											Subangu	nai to subrounded gravei.		
1 -	-				-+		- -	-	†		8.83				† 1
		Back	rfilled with									, ,			
	13	hydr chip	ated bentonite									₹ 2-inch∈ sand.	es SAND (SP); very loose, mois	t, light brown; fine	
2 -	-				-+	$ \vdash$	-	-	+			Janu.			+ 2
															
	12								5 5	AB-07-2.5-4.0			SAND WITH GRAVEL (SM); m		
3 -	- '-				-+		-	-	5				rown; fine to coarse sand; fine to ded gravel.	o coarse,	+ 3
				S S											
	44				1							:			
4 -	- 11 -				1	_		- -	-				MAJELLODAN (EL (OVA)		1,
												fine to c	WITH GRAVEL (SW); dense, no parse sand; fine to coarse, subr	noist, light brown; ounded gravel: few	,
												shell frag	gments.	g. a.o., 1000	
;	10 -			Ш				\perp							+
									13 15	AB-07-5.0-6.5					
									16			:			
	9			\$2								<u>;</u>			
; -	-								1			1			†
												:			
	8														
7 -	-				\vdash		-	-	†			SILTY	SAND WITH GRAVEL (SM); lo	ose, moist, brown	† :
				Ш								to gray;	fine to coarse sand; fine to coar		
	7								11 5	AB-07-7.5-8.0		gravel.			
8 -	-				-+		-	-	3						+
				SS											
	6				1										
9 -	-				\vdash		-	-	-			:			+
0-	- 5	<u>∑</u> 4/2	25/2022				\perp	\perp							1.
												Becom	es wet.		
												:			
1-	4							- L -							1
'												:			
_	3														
2-	-				$ \uparrow $		_ _		1			CLAYE	Y GRAVEL WITH SAND (GC);	loose, very moist,	+1
									_	45.07		gray; find gravel.	e to coarse sand; fine to coarse	, subrounded	
	2								5 3	AB-07- 12.5-14.0		g graver.			
3-	-				-+		-	-	2			CLAYE	Y SAND WITH GRAVEL (SC);	loose, moist. grav:	+1
				S 48									d; fine, subrounded gravel.	,, g. .,	
	1				-										
4-	- '			H	-+		-	-	+		Y <i>[:][]</i>	Bottom :	of exploration at 14 ft. bgs.		+1
												DOMOITI (or exploration at 14 it. bys.		
	0														
		gend		Plas	tic Limi			Liquid			l .	See Evol	oration Log Key for explanation		
<u>u</u> "		No Soil Samp	- · · · · · · · · · · · · · · · · · · ·		<u>_</u> _	<u> </u>	Wa	ter Le	evel AT	D		of symbol		Exploration	on
Type		Continuous c			Water	3						•		Log	
۳ ک		Split Barrel 2'	" X 1.375" (SF	PT)	≶ ≟	'						Logged b	y: JRG l by: MVDA/SG	AB-07	
	1					1						pp. 5000		Sheet 1 of 1	

0	Δ	spect	Harris	s ave	5n	ipya	roce f		ean	up PRD	I - 21	0195	Geotechnical Exp Coordinates (Lat,Lon WGS84)	Exploration Log	g
7				04	•				•			,		1	
_					s Ave,	Bellir	ignar	n, vı		25, Cleanup			48.7209, -122.5155 (est) Ground Surface Elev. (NAVD88)	⊢ AB-08	}
		Contractor	1	uipment						mpling Method			`		
		ade Drilling	TSI 1500		-		Auto			140 I b hamm		' drop	14.8' (est)		
	(Operator	Explorat	tion Metho	d(s)			И	Vork Sta	nt/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow G
_ (Charl	les Winland		Sonic						4/25/2022			NA	9.5' (ATD)	
	Elev. (feet)			Sample Type/ID	l vva		tent (%	▲ 6)●	Blows/6	Tests	Material Type		Description		De _l
	(1661)	Completion	II Details	Турель	0 10	20	30 4	0 50			20190	GRAVE	EL WITH SILT AND SAND (GW	/-GM); medium	+"
												dense, n	noist, gray to brown; fine to coar		
	14												subrounded to angular gravel.		
1 -	-				\vdash		-					Becom	es well graded and brown.		+ '
]			
		hydrate	led with ed bentonite								8.18.				
2 -	13 -	chips.			$\perp \downarrow$	_ _	<u> </u>				5	-			+:
-											186				1
									14			SILTV	SAND WITH GRAVEL (SM); de	ense moiet brown:	+
	12								21	AB-08-2.5-4.0			oarse sand; coarse, subangular		
3 -	-			S1	\vdash		1-1	-	22				, , , , , , , , , , , , , , , , , , ,	-	+3
				H°							147				4
	11											SILTY	GRAVEL WITH SAND (GM); ve dense, moist, gray to brown; fir	ery loose to	
4 -	-				\vdash		 				144	fine to co	parse, moist, gray to brown, nr	ie io coarse sariu,	+ 4
												₫	,		
	40										144) 4			
5 -	10 -				\vdash						13 6 10	9			+
									20 10	AB-08-5.0-6.5	9.50	∤ ⊈			
									13			4			
	9			S2) }			
3 -	-					_ •	1 - 1					3-inche	es SILT WITH SAND (ML).		t
											8.8	á			
	8											3			
7 -	-				\vdash		-				8.83	á			+
												,			
	7								9	AB-08-7.5-9.0	8 8 8	4			
8 -	- ′				\perp	_ -	4_		9 8	AB-00-7.3-9.0	146	3			+
				S3					o			}			
						A					14	Ž			
	6											4			-
9 -	-				\Box		1-1				144) 4			T
			/2022									٩ -			
	5											Becom	es wet.		
0-	-				\vdash	+		\vdash				}			+
												3			
	,											}			
11-	- 4				$\vdash \downarrow$	<u>- -</u>	 _				1818	a			1.
											1361	Š			
										AB-08-	8.8	1			
ړ	3									AB-08- 11.5-12.5		2			
2-	-				\Box		7-1	\Box				SILTY	SAND WITH GRAVEL (SM); ve	ery loose, wet, gray	+1
												brown w	ith orange mottle; fine sand; fine	e, subrounded	
	2								1 0			gravel.			
3-	-				-+		 		1						+1
				\(\) \(\) \(\) \(\)											
					^										
14-	- -			Н	$\vdash \downarrow$	_ L -	<u> </u> _	$\perp \perp$				<u> </u>			↓ 1
												Bottom o	of exploration at 14 ft. bgs.		
	^														
	Leg	gend		Plas	ic Limit	<u> </u>	Lic	quid L	.imit			_			_
1)		No Soil Sample	e Recovery			∇		•	vel AT	D		See Explo	oration Log Key for explanation	Exploration	on
Jype		Continuous cor	·=·		Water Level							UI SYITIDO	o o	Log	
<u></u> ≥		Split Barrel 2" >		PT)	F %	1						Logged b		AB-08	
	1-		,	,		1						Approved	by: MVDA/SG	Sheet 1 of 1	

	Δ	cno	C +	Harri	s A	ve	Sh	ip	yar	d C	lean	up PRD	l - 21	0195	Geotechnical Exp	ploration Log	<u>g</u>
7	7	spe					-				•	ic Location			Coordinates (Lat,Lon WGS84)	Exploration Numb	ber
•	P CC	NSULT	ING				Ave,	Be	ellingt	nam,		225, C l eanu _l		2	48.7210, -122.5151 (est)	AB-09	1
	C	Contractor		Eq	quipme	ent					Sa	mpling Method	1		Ground Surface Elev. (NAVD88)	AD-03	,
	Caso	ade Drilli	ng	TSI 150	cc s	onic	Rig		Α	utoha	mmer;	140 I b hamn	ner; 30"	drop	15.1' (est)		
		Operator		Explorat			-					art/Completion		•	Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow G
		, les Winla	nd	ļ -	Sonic		. ,					4/26/2022			NA NA	10' (ATD)	
	Ollai	les vviilla	iiu	'	301110	,		DI-	16		_	4/20/2022			IVA	10 (A1D)	_
epth eet)	Elev. (feet)		loration Nompletion	Notes and n Detai l s	Sar Typ	mple e/ I D		iter (ws/foo Conter 2 30	ıt (%) ⊈		S' Tests	Material Type		Description		De _l
	15		:						3 30	40 3			\$341	GRAVE ∖gray; fev	EL WITH SILT (GP-GM); mediu v fine sand; fine to coarse, suba	m dense, moist, ngu l ar gravel.	T
		100000	;										0.00	4 GLAVE	EL WITH SAND (GW); loose to		
1 -	14		:				-+		_	-	_		0000	moist, bi	own; fine to coarse sand; fine to ded to subangular gravel.	o coarse,	+
													8.8.5	4-inche	s black SILTY SAND (SM).		
			Backfille	ed with d bentonite									0000	•			
_			chips.	a peritorite									8.8.6) \$			
2 -	13						-+	-1	- + -	- -	†		0000	Wood.	nails, rags, and miscellaneous	debris.	+ 2
													0.00) 11111,			
											10	AB-09-2.5-4.0	0000				
3 -							_	_	_	_ L .	8	AB-03-2.3-4.0		>			+:
	12					S1					6		0000				'
						"		•					0.00	> 4			
													0000	1			
4 -	11				H		-+	-	- +	- -	+		0000	4-inche	s of black SILTY SAND (SM); I	umber debris and	+.
													1792	nails.	S OF BIACK SIETT SAIND (SIVI), I	uniber debris and	
															SAND WITH GRAVEL (SM); m	edium dense.	1
5 -	L				Ш									moist to	very moist, brown to gray; fine t	o coarse sand;	+
ן כ	10										7	AB-09-5.0-6.5		fine to co	parse, subrounded gravel.		Γ
											7 5	AB-03-5.0-0.5					
						S2] 5			1			
6 -	- 9					"		-	_ + .	- -	+						+ (
	9																
					Н												
7 -	- 8						-+		- + -	- -	+			Mottled	brown and orange.		+ 7
														Wottled	brown and orange.		
											6	AD 00 7 5 0 0					
8 -								_	_] .	_L.	8	AB-09-7.5-9.0		1			1
0	7					83					11			Becom	es gray with trace wood fragme	nts.	'
						0,		4									
														1			
9 -	- 6				Н		-+			-	+						+
	0]			
				າດາາ													١.
10-	- 5		<u>+</u> 120/2	2022			\neg		\top		1			Becom	es wet.		+1
11-	ļ.,						_	_		_ L	4			1			1
	4											AB-09-11-12.5					'
]			
12-	- 3						-+	-}	- + -	-	+						+1
														Bottom o	of exploration at 12.5 ft. bgs.		7
13-								_[_] .	_L.							+1
ا د ا	2								T.								
14-	1						-+	-}	- 4	-	+						+1
	'																
		<u> </u>														r	
		gend			ı	Plasti	c Limit			Liquid	Limit .evel AT	<u></u>			oration Log Key for explanation	Exploration	o
<u>e</u> "	. <u>U</u>	Continuo					<u> </u>	 	_ vv	ater L	.evelAl	U		of symbol			υN
Sample Tvpe	<u> </u>	Split Bar	rel 2" X	(1.375" (SF	PT)		Water Level							Logged b	v: IPC	Log	
ກ⊏							5 –								y: JRG by: MVDA/SG	AB-09	
	1							1						. APPIORCE	~, . IVI V D, V OO	Sheet 1 of 1	

	Δ	spec [*]	Harris	s Ave	Sh	nip	ipyard Cleanup PRDI - 210195					0195	Geotechnical Exploration Log Coordinates (Lat,Lon WGS84) Exploration Number			
7		NSULTING		Project Address & Site Specific Location 201 Harris Ave, Bellingham, WA 98225, Cleanup Area 2								0	10 70 10 71 7 7			
_				201 Harris Ave, Equipment				nam,			-	2	48.7210, -122.5155 (est)	AB-10		
Contractor				uipment			Sampling Method						Ground Surface Elev. (NAVD88)	7.2 .0		
Cascade Drilling Operator			TSI 1500	TSI 150CC Sonic Rig Exploration Method(s)			Autohammer; 140 lb hammer; 30" drop						15' (est)	Depth to Water (Below 0		
			Explorat				Work Start/Completion Dates					Top of Casing Elev. (NAVD88)				
Charles Winla		les Winland	Sonic				4/25/2022					NA		9' (ATD)	9' (ATD)	
epth	Elev.	Exploration	on Notes and	Sample	w	Blo ater	ows/fo	ot 🔺	Blows/6	S' Tests	Materia	ı	Description	, ,	De	
eet)	(feet)	Comple	tion Details	Type/ID				40 5			Type	GRAVI	EL WITH SILT (GP-GM); mediu	ım dense moist	+'	
	- 14 - 13 - 12 - 11 - 10 - 8 - 7 - 6	Backfilled with hydrated bentonite chips.	rated bentonite	S3 S2 S1					1 1 2 1	AB-10-2.5-4.0 AB-10-4.5-5.0 AB-10-7.0-7.5		SILTY moist, b subroun SILTY moist, g SILTY moist, g SILTY moist, g SILTY traces ML layer SILT (f trace fin	SILT (ML); soft, very moist, light brown; trace firece fine, subrounded gravel; trace lumber derbined from the subrounded gravel; trace lumber derbined from the subrounded gravel; trace lumber derbined from the subrounded from		nse, gravel. nse, t, light city; fine l. ghout es sand;	
13-	- 2					· —		-				9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			+	
14 1						- —					0000		of exploration at 14 ft. bgs.			
e e		gend No Soil Sam	-	Plas	tic Lim	Z		Liquid	Limit evel AT			See Explo	oration Log Key for explanation Is	Exploration Log	<u> </u>	
Sample Type	Continuous core 4" ID Split Barrel 2" X 1.375" (Water Leve								Logged b	y: JRG I by: MVDA/SG	AB-10 Sheet 1 of 1		