Project Address & Site Specific Location Port of Tacoma - Parcel 15 Tacoma, WA, SW corner of site Consultation Contractor Cascade	Dep (ft) I light dark to own;
Contractor Cascade Geoprobe 7822 Percussion hammer Cascade Operator Exploration Method(s) Depth (ete) (feet) Operator Surface restored with Concrete Surface restored with 3/8** Single Sample Sample Number & Lab Test(s) Surface restored with 3/8** Single Sample Number & Sample Sample Number & Surface restored with Sife Description GRAVEL BASE COURSE GRAVEL WITH SAND (GP): loose, wet, medium life gray, base course; fine to coarse angular gravel; de yellowish orange, fine sand in bottom of sampler. SILTY SAND SILTY SAND SILTY SAND SILTY SAND (SM); moist, brownish black; fine sand (ow plasticity fines. SAND WITH SILT (SP-SM); moist, brownish black; fine sand (ow plasticity fines.) SILTY SAND (SM); moist, brownish black; fine sand (ow plasticity fines.) SILTY SAND (SM); moist, brownish black; fine sand (ow plasticity fines.)	Dep (ft) I light dark to own;
Cascade Geoprobe 7822 Percussion hammer 25' (est) Operator Exploration Method(s) Kyle Direct push Analytical Interpretation Method(s) Surface restored with Concrete Surface restored with Surface restored with Concrete Surface restored with 188' NSF60 bentonite disps. GRAVEL BASE COURSE GRAVEL WITH SAND (GP): loose, wet, medium laid gray, base course; fine to coarse angular gravel; day yellowish orange, fine sand in bottom of sampler. SILTY SAND WITH SILT (SP-SM); moist, moderate brow oxide staining throughout; trace woody organics. SAND WITH SILT (SP-SM); moist, black; fine sand (ow plasticity fines. SAND WITH SILT (SP-SM); moist, brownish black; fine sand (ow plasticity fines. SAND WITH SILT (SP-SM); moist, very dusky pure stand on the same stand of the same stand of the same staining throughout; trace woody organics.	Dep (ft) I light dark to own;
Operator Kyle Direct push Analytical Sample Number & 11/17/2021 NA 15' (A 15' (A 15')	Dep (ft.
Kyle Direct push 11/17/2021 NA 15' (A epth Elev Exploration Notes and Completion Details Type/ID Sample Number & Field Tests Type Surface restored with concrete Surface restored with concrete Sankfilled with 3/8' SPG0 bentonite Backfilled with 3/8' SPG0 bentonite Tipe (GRAVEL BASE COURSE GRAVEL WITH SAND (GP); loose, wet, medium lipe (SP) gray, base course; fine to coarse angular gravel; de coarse significant of sampler. FILL CONTAINING SLAG GRAVEL (GP); loose, moist, black; angular, fine to coarse significant of sampler. SAND WITH SILT (SP-SM); moist, moderate brow fine to medium sand; trace fine to coarse gravel; so oxide staining throughout; trace woody organics. SAND WITH SILT (SP-SM); moist, prownish black; fine sar low plasticity fines. SAND WITH SILT (SP-SM); moist, prownish black; fine sar low plasticity fines. SAND WITH SILT (SP-SM); moist, very dusky pure sand to sample to the sample of the s	Dep (ft.
Lepth Elev (feet) Exploration Notes and Completion Details Sample Number & Lab Test(s) Surface restored with Concrete GRAVEL BASE COURSE GRAVEL WITH SAND (GP): loose, wet, medium light gray, base course; fine to coarse angular gravel; dependence of the coarse stage fragments. SAND WITH SILT (SP-SM); moist, moderate brow fine to medium sand; trace fine to coarse gravel; so oxide staining throughout; trace woody organics. SILTY SAND (SM); moist, brownish black; fine sar low plasticity lines. SAND WITH SILT (SP-SM); moist, brownish black; fine sar low plasticity lines. SAND WITH SILT (SP-SM); moist, very dusky pure stages of the coarse stage fragments. SAND WITH SILT (SP-SM); moist, very dusky pure stages of the coarse stage fragments. SAND WITH SILT (SP-SM); moist, very dusky pure stages of the coarse stages fragments. SAND WITH SILT (SP-SM); moist, very dusky pure stages of the coarse stages fragments. SAND WITH SILT (SP-SM); moist, very dusky pure stages of the coarse stages fragments. SAND WITH SILT (SP-SM); moist, very dusky pure stages of the coarse stages fragments. SAND WITH SILT (SP-SM); moist, very dusky pure stages of the coarse stages fragments.	Dep (ft) I light dark to own;
Expiration Notes and Completion Details Surface restored with concrete Backfilled with 3/8" NSF60 bentonite chips. Surface restored with concrete CONCRETE; roller compacted concrete. GRAVEL BASE COURSE GRAVEL WITH SAND (GP); loose, wet, medium liggray, base course; fine to coarse angular gravel; de yellowish orange, fine sand in bottom of sampler. FILL CONTAINING SLAG GRAVEL (GP); loose, moist, black; angular, fine to coarse slag fragments. SAND WITH SILT (SP-SM); moist, moderate brow fine to medium sand; trace fine to coarse gravel; so oxide staining throughout; trace woody organics. SILTY SAND SILTY SAND SILTY SAND SILTY SAND (SM); moist, brownish black; fine sar looy plasticity fines. SAND WITH SILT (SP-SM); moist, very dusky pur	Ilight dark
Surface restored with concrete GRAVEL BASE COURSE GRAVEL WITH SAND (GP); loose, wet, medium liggray, base course; fine to coarse angular gravel; day yellowish orange, fine sand in bottom of sampler. FILL CONTAINING SLAG GRAVEL (GP): loose, moist, black; angular, fine to coarse slag fragments. SAND WITH SILT (SP-SM); moist, moderate brow fine to medium sand; trace fine to coarse gravel; so oxide staining throughout; trace woody organics. SILTY SAND (SM); moist, brownish black; fine san low plasticity fines. SAND WITH SILT (SP-SM); moist, very dusky put	dark 5 to 5
Becomes wet and coarser; fine to medium sand. ALLUVIAL CREEK DEPOSITS SAND (SW); loose, wet, black; medium sand; 10 to 15% red sand grains; trace to no silt; trace woody organics throughout. Trace fine gravel. Pocket of fine sand with silt, 2-3 inches thick. Woody debris and trace fine to coarse gravel. Becomes wet and coarser; fine to medium sand. ALLUVIAL CREEK DEPOSITS SAND (SW); loose, wet, black; medium sand; 10 to 15% red sand grains; trace to no silt; trace woody organics throughout. Trace fine gravel. Bottom of exploration at 25 ft. bgs.	urple;

N Spect	Bro.	Portac - 2			Environmental E	xploration L	
CONSULTING	-		na, WA, SW area of the	e site	NA		
Contractor	Equipment	1 4/00/ 10 1400/	Sampling Method		Ground Surface Elev.	- AB-02	_
Cascade	Geoprobe 7822		Percussion hammer		25.75' (est)		
Operator	Exploration Method(s)		ork Start/Completion Dates		Top of Casing Elev.	Depth to Water (Be	low GS
, Kyle	Direct push		11/17/2021		NA NA	15' (ATD)	•
pth Elev. Exploration I	on Notes and Sample Sation Details Type/ID	Analytical ample Number &	Field Tests Materia	I	Description		Depti (ft)
		Lab Test(s)	Туре	CONC	RETE; roller compacted con	crete	(10)
25 concret - Backfill NSF60 chips. - 20 - 15 - 15	kfilled with 3/8"		0000000 000000 000000 00000	GRAVE light gra WOOD GRAV Ifine to consist trace Silt poor SAND fine san CLAY (woody consist to co	GRAVEL BASE COULD CALL WITH SAND (GP); loose, y, base course; fine to coarse FILL CONTAINING SY DEBRIS; black. EL WITH SAND (GP); moist, oarse angular slag fragments SILTY SAND (SP); loose, moist; fine to me e woody organics throughout cket, 2-3 inches thick. WITH SILT (SP-SM); moist, d; low to non-plastic fines. FINE GRAINED DEPOCL); moist, olive black; media organics throughout. SILTY SAND WITH SILT (SP-SM); moist, of w to non-plastic fines.	RSE moist, medium e angular gravel. LAG brownish black; s; coarse sand. dium sand; trace olive black; very DSITS um plasticity; trace	
Legend No Soil Sampl Continuous co	·	AB-02-17 AB-02-22	vel ATD	Increase Bottom See Expressional Explanation	LOW PERMEABILITY CL); moist, olive black; low to y; trace woody organics. ses to medium plasticity. of exploration at 25 ft. bgs. loration Log Key for ion of symbols by: BCC/AWP		-20 -25

	Δ	snect			Portac - 2 Project Address & Site				Environmental E	Exploration Num	her
7		NSULTING	Dort of		roject Address & Site a - Parcel 15 Tacc	•	e of the	eite	Coordinates NA		
_		Contractor	Equipn		- Faicei 13 Tacc	Sampling Meth		SILC .	Ground Surface Elev.	→ AB-03	}
	-										
		ascade	Geoprobe			Percussion ham			27' (est)	Double to 147 to 75 to	0
	(Operator	Exploration	Method(s	s) W	ork Start/Completion	on Dates		Top of Casing Elev.	Depth to Water (Bel	ow G
		Kyle	Direct p	push		11/17/2021			NA	17' (ATD)	
	Elev. (feet)	Exploration No Completion	otes and Sand Details Ty	ample ype/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description		Dep (ft)
-	- - 25 -	concrete Backfille NSF60 b	d with 3/8"				000000000000000000000000000000000000000	GRAVE light gra	GRAVEL WITH BASE CEL WITH SAND (GP); loose, y, base course; fine to coarse	COURSE moist, medium e angular gravel.	
5 -	- - - - 20	chips.					000000000000000000000000000000000000000	GRAVI sand; w GRAVI	EL (GP); loose, moist, browniangular slag fragments. EL WITH SAND (GP); moist; body organics. EL WITH SAND (GP); brownigments; fine sand.	coarse gravel; fine ish black; medium	- - 5
10-	-		C						WITH SILT (SP-SM); moist, to oarse sand; non-plastic fines		_ _ 10
-	- 15 -								nes finer, low plasticity fines. FINE GRAINED DEPO		+ + -
15- -	-							SAND medium layers.	CL); moist, olive black; mediu (SW); wet, loose, black with sand; interfingers with clay i (CL); wet, olive black; mediui	red flecks; fine to nch 3 to 4 inch	— 15 /
-	- 10 - -	▽ 11/17/:	2021		AB-03-19			SAND V	SILTY SAND WITH SILT (SP-SM); wet, olive sand; non-plastic fines; interfit o 4 inch layers.	ve black; fine to	+
20 -	- 5							SAND sand; tra	VIL); medium dense, moist, by fines; trace woody organics (SP); moist, brownish gray; face to no silt.	ine to coarse	
-	-				AB-03-23			SILTY	SAND (SM); wet, olive gray; / fines. LOW PERMEABILITY CL); moist, olive gray; woody	fine sand; low	
25-	-				AB-03-25			Bottom	of exploration at 25 ft. bgs.		25
Sample		gend No Soil Sample Continuous core	-	Water	Vater Le	vel ATD		explanati	oration Log Key for on of symbols by: BCC/AWP	Exploration Log AB-03	on

Aspect		Portac - Project Address & Si				Environmental Exploration Coordinates Exploration Nu		
CONSULTING		-	ma, WA, NW corn	er of the	e site	NA		
Contractor	Equipment	1 41001 10 1400	Sampling Method		Ground Surface Elev.	→ AB-04	7	
Cascade	Geoprobe 7822	2	Percussion hami			25.5' (est)		
Operator	Exploration Method		Nork Start/Completion			Top of Casing Elev.	Depth to Water (Be	low GS
, Kyle	Direct push	()	11/16/2021			, NA	15' (ATD)	
oth Elev. Exploration	Notes and Sample	Analytical Sample Number &	Field Tests	Material		Description	10 (1112)	Dept
et) (feet) Completion	n Details Type/ID	Lab Test(s)	11010 10010	Туре	CONC	·	crete	(ft)
et) (feet) Completion 25 Surface concre	er restored with lefe services and the services are stored with services and services are services and services are services and services are services and services are services are services and services are services are services are services are services and services are servic	AB-04-20 AB-04-23		Type	GRAVE light graund grave coarse, Woody sand with sand with sand with sand grains. SILT (Months and grains) Silt len Become sand; lo	GRAVEL BASE COLL WITH SAND (GP); loose, y, base course; fine to coars FILL CONTAINING SILTY SAND (GP); loose, moist, browniangular slag fragments. organic debris. SILTY SAND WITH SILT (SP-SM); moist, the silt; some laminated bedding the sand. The same same same same same same same sam	JRSE moist, medium le angular gravel. SLAG lish black; fine to olive black; fine ling throughout. DSITS lastic fines; black, lastic fines; black, lastic fines; black, lastic fines.	(ft)
5				<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	Bottom	of exploration at 25 ft. bgs.		-25
Legend No Soil Sampl Continuous co	e Recovery re 1.85" ID	Water L	evel ATD		explanati	oration Log Key for on of symbols by: BCC/AWP	Exploration Log AB-04 Sheet 1 of	

$oldsymbol{D}$ $oldsymbol{\Lambda}_{a}$	tacer			ac - 210158		Environmental E	xploration Log
_	spect	<u>.</u> =	•	ss & Site Specific Location		Coordinates	Exploration Number
	NSULTING			Tacoma, WA, NW are		e NA Ground Surface Elev.	- AB-05
	contractor	Equipmer		Sampling Meth			
	ascade	Geoprobe 7		Percussion ham		24' (est)	
C	Operator	Exploration Me	thod(s)	Work Start/Completion		Top of Casing Elev.	Depth to Water (Below G
	Kyle	Direct pu	sh	11/17/2021		NA	15' (ATD)
epth Elev. eet) (feet)	Exploration N Completion	otes and Details Sam	"ID Campic Numi	per & Field Tests	Material Type	Description	Dep (ft)
epth Elev. (feet)	Completion Surface concrete	Details Type restored with d with 3/8" pentonite	ple Sample Numi	per & Field Tests 17	Type C Gigi Gan Star Can V N Softin B B C Citin Sin Shart Can V N Solid tra	GRAVEL BASE COURAVEL WITH SAND (GP); loose, int gray, base course; fine to coarse FILL CONTAINING SEAVEL (GP); loose, moist, black; gular slag fragments; woody organisms. Woody organisms in shoe of sampler. GRAVEL (GP); loose, moist, black; gular slag fragments. Woody organics. SILTY SAND (GP); loose, moist, black; gular slag fragments. Woody organics. SILTY SAND (SP-SM); moist, be to medium sand; 10 to 15% red secomes fine sand with woody organics. SILTY SAND (SP-SM); moist, be to medium sand; 10 to 15% red secomes brownish gray, fine sand. FINE GRAINED DEPOLAY (CL); moist, brownish black; res; trace sand. SILTY SAND (SM); wet, brownish black; res; trace sand. SILTY SAND (SM); wet, brownish black; res; trace sand. LTY SAND (SM); wet, brownish black; res; trace sand. LTY SAND (SM); wet, brownish black; res; trace sand. LTY SAND (SM); wet, brownish black; res; trace sand. LOW PERMEABILITY LOW PERMEABILIT	RSE moist, medium e angular gravel. LAG fine to coarse, nics. black; fine to rains; slag fine to coarse, crownish black; sand grains. DSITS nedium plasticity ack; fine sand; oist, brownish ner downward; CLAY
+ 0 25+					, s	SILTY SAND AND WITH SILT (SP-SM); moist, of medium sand.	grayish black; fine
	gend				-	medium sand. ottom of exploration at 25 ft. bgs. of Exploration Log Key for	
2 00 1	No Soil Sample Continuous cor		Water Level i∆	ater Level ATD	exp	lanation of symbols	Exploration Log
			K			ged by: BCC/AWP proved by:	AB-05 Sheet 1 of 1

Mar	>> <t< th=""><th></th><th></th><th>Portac - 2</th><th></th><th></th><th></th><th>Environmental E</th><th>xploration</th><th>Log</th></t<>			Portac - 2				Environmental E	xploration	Log
	pect			Project Address & Site	•	_		Coordinates	Exploration N	lumber
	ULTING			a - Parcel 15 Tac			site	NA	AB-0	16
Contra			oment		Sampling Metho			Ground Surface Elev.		•
Casc	ade	Geoprol			Percussion ham			23' (est)		
Open	ator	Exploration	n Method(s	s) V	Vork Start/Completio	n Dates		Top of Casing Elev.	Depth to Water (Below GS
Kyl	le	Direct	push		11/17/2021			NA	15' (ATI	D)
epth Elev. (feet)	Exploration N Completion	otes and Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description		Depti (ft)
- 20 20 	concrete	restored with		\-\frac{1}{2}		0000d 0000d 0000d 0000d 0000d	GRAVE light gra GRAVI angular SAND medium GRAVI angular	FILL CONTAINING EL WITH SAND (GP); loose, y, base course; fine to coarse of the coars	SLAG moist, medium se angular gravel. ; fine to medium, medium sand; ; fine to medium,	
15-	▼ 11/17/	/2021		AB-06-17		, //////	SAND \ sand; no	FINE GRAINED DEP CL); wet, very dusky purple SILTY SAND WITH SILT (SP-SM); moist; on-plastic fines; woody orga es fine sand. asticity fines.	medium plasticity fine to medium	/_/-15
- 0 - 25 - Legen	d Soil Sample	Recovery		AB-06-22 AB-06-25 ☑ Water Le	ovel ATD		SILTY Solve plas Bottom of See Expl	LOW PERMEABILTY CL); moist, olive black; med rganics throughout. SILTY SAND SAND (SM); moist, brownist ticity fines. of exploration at 25 ft. bgs. oration Log Key for	ium plasticity;	
<u>₩</u> ω	Soil Sample	_	Water	✓ Water Le	vel ATD		explanati	on of symbols by: BCC/AWP	Exploration Log AB-00 Sheet 1 of	3