Department of Permitting

Environmental Review 35030 SE Douglas Str, Suite 210

Snoqualmie, WA 98065-9266 206-296-6600 TTY Relay: 711

Critical Areas Mitigation Bond Quantity Worksheet

C24 09/09/2015 ls-wks-sensareaBQ.xls ls-wks-sensareaBQ.pdf

Project Name: Lai Patio Date: 2019-0625 Prepared by:

Project Description: replace existing deck with pavers, add patio, exterior kitchenette and stair (see CAR by Geotech for Mitigation Plan details) Project Number: 1906-045

cation: 7505 92nd Avde SE		Pla Applicant:	,	ncko Phone: 200	6 708 9933	
PLANT MATERIALS (includes labor cost for plant installation)						
Туре	Unit Price	Unit	Quantity	Description	Cost	
PLANTS: Potted, 4" diameter, medium	\$5.00	Each			\$	
PLANTS: Container, 1 gallon, medium soil	\$11.50 \$20.00	1 Each Each	5	salmonberry x3, blck twinberry x2	Φ.	
PLANTS: Container, 2 gallon, medium soil PLANTS: Container, 5 gallon, medium soil	\$36.00	1 Each	3	doug fir x2, westrn red cedar x1	\$ 180.00 \$	
PLANTS: Seeding, by hand	\$0.50	SY		dodg iii X2, Woodii rod ooddi X1	\$	
PLANTS: Slips (willow, red-osier)	\$2.00	Each			\$	
PLANTS: Stakes (willow)	\$2.00	Each			\$	
PLANTS: Stakes (willow)	\$2.00	Each			\$	
PLANTS: Flats/plugs	\$2.00	Each			\$	
INSTALLATION COSTS (LABOR, EQU	IIPMENT & C	VERHEAD		TOTAL	\$ 237	.5
					0	
Type	Unit Price	Unit		1	Cost	
Compost, vegetable, delivered and spread Decompacting till/hardpan, medium, to 6" depth	\$37.88 \$1.57	CY			\$	
Decompacting till/hardpan, medium, to 12" depth	\$1.57	CY			\$	
Hydroseeding	\$0.51	SY			\$	
Labor, general (landscaping other than plant installation)	\$40.00	HR			\$	
Labor, general (construction)	\$40.00	HR	560		\$ 22400	
Labor: Consultant, supervising	\$55.00	HR	280		\$ 15400	
Labor: Consultant, on-site re-design	\$95.00	HR			\$	
Rental of decompacting machinery & operator	\$70.00	HR			\$	
Sand, coarse builder's, delivered and spread	\$42.00	CY			\$	
Staking material (set per tree)	\$7.00 \$250.00	Each HR			\$	
Surveying, line & grade Surveying, topographical	\$250.00	HR			\$	
Watering, 1" of water, 50' soaker hose	\$3.62	MSF			\$	
Irrigation - temporary	\$3,000.00	Acre			\$	
Irrigation - buried	\$4,500.00	Acre			\$	
Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep	\$1.02	SY			\$	
HABITAT STRUCTURES*				TOTAL	\$ 37800	
	I 1					
ITEMS	Unit Cost	Unit			Cost	
Fascines (willow)	\$ 2.00 \$1,000.00	Each Each			\$	
Logs, (cedar), w/ root wads, 16"-24" diam., 30' long Logs (cedar) w/o root wads, 16"-24" diam., 30'	\$400.00	Each			\$	
Logs, w/o root wads, 16"-24" diam., 30' long	\$245.00	Each			\$	
Logs w/ root wads, 16"-24" diam., 30' long	\$460.00	Each			\$	
Rocks, one-man	\$60.00	Each			\$	
Rocks, two-man	\$120.00	Each			\$	
Root wads	\$163.00	Each			\$	
Spawning gravel, type A Weir - log	\$22.00 \$1,500.00	CY Each			\$	
Weir - adjustable	\$2,000.00	Each			\$	
Woody debris, large	\$163.00	Each			\$	
Snags - anchored	\$400.00	Each			\$	
Snags - on site	\$50.00	Each			\$	
Snags - imported	\$800.00	Each			\$	
* All costs include delivery and installation				TOTAL	\$	
EROSION CONTROL ITEMS	Unit Cost	Unit			Cost	
Backfill and Compaction-embankment	\$ 4.89	CY	5		\$ 24.45	
Crushed surfacing, 1 1/4" minus	\$30.00	CY	-		\$	
Ditching	\$7.03	CY			\$	
Excavation, bulk	\$4.00	CY	5		\$ 9	
Fence, silt	\$1.60	LF OV			\$	
Jute Mesh Mulch, by hand, straw, 2" deep	\$1.26 \$1.27	SY SY		+	\$	
Mulch, by hand, wood chips, 2" deep	\$3.25	SY			\$	
Mulch, by machine, straw, 1" deep	\$0.32	SY			\$	
Piping, temporary, CPP, 6"	\$9.30	LF			\$	
Piping, temporary, CPP, 8"	\$14.00	LF			\$	
Piping, temporary, CPP, 12"	\$18.00	LF ev			\$	
Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes	\$2.00 \$33.98	SY CY			\$	
Rock Constr. Entrance 100'x15'x1'	\$3,000.00	Each			\$	
Rock Constr. Entrance 50'x15'x1'	\$1,500.00	Each			\$	
Sediment pond riser assembly	\$1,695.11	Each			\$	
Sediment trap, 5' high berm	\$15.57	LF			\$	
Sediment trap, 5' high berm w/spillway incl. riprap	\$59.60	LF			\$	
Sodding, 1" deep, level ground	\$5.24	SY			\$	
Sodding, 1" deep, sloped ground Straw bales, place and remove	\$6.48 \$600.00	SY TON			\$	
Hauling and disposal	\$20.00	CY	5		\$ 100	
•	\$35.73	CY	-	†	\$	
Topsoil, delivered and spread	Ψ000	٠.				

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ITEMS	Unit Cost	Unit			Cost
Fencing, chain link, 6' high	\$18.89	LF			\$
Fencing, chain link, corner posts	\$111.17	Each			\$
Fencing, chain link, gate	\$277.63	Each			\$
Fencing, split rail, 3' high (2-rail)	\$10.54	LF			\$
Fencing, temporary (NGPE)	\$1.20	LF	80		\$ 96.00
Signs, sensitive area boundary (inc. backing, post, install)	\$28.50	Each	1		\$ 28.50
				TOTAL	\$ 124
OTHER				(Construction Cost Subtotal)	\$ 38,294.95
ITEMS	Percentage of Construction	11.5			01
Makillandan	Cont	Unit		<u> </u>	Cost
Mobilization	10%	1			\$ 3,829.5
Contingency	30%	1			\$ 11,488.5
			·	TOTAL	\$ 53,613
AINTENANCE AND MONITORING	case basis fo		pplications.	s. This will be evaluated on a case-by- Monitoring and maintance ranges may	•
Maintenance, annual (by owner or consultant)					
Less than 1,000 sq.ft. and buffer mitigation only	\$ 1.08	SF	60	(3 X SF total for 3 annual events; Includes monitoring)	\$ 194.4
Less than 1,000 sq.ft. with wetland or aquatic area mitigation	\$ 1.35	SF		(3 X SF total for 3 annual events; Includes monitoring)	\$
Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer mitigation	\$ 180.00	EACH		(4hr @\$45/hr)	\$
Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of wetland or aquatic area mitigation	\$ 270.00	EACH		(6hr @\$45/hr)	\$
Larger than 5,000 sq.ft. but < 1 acre -buffer mitigation only	\$ 360.00	EACH		(8 hrs @ 45/hr)	\$
Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area mitigation	\$ 450.00	EACH		(10 hrs @ \$45/hr)	\$
Larger than 1 acre but < 5 acres - buffer and / or wetland or aquatic area mitigation	\$ 1,600.00	DAY		(WEC crew)	\$
Larger than 5 acres - buffer and / or wetland or aquatic area mitigation	\$ 2,000.00	DAY		(1.25 X WEC crew)	\$
Monitoring, annual (by owner or consultant)					
Larger than 1,000 sq.ft. but less than 5,000 wetland or buffer mitigation	\$ 720.00	EACH		(8 hrs @ 90/hr)	\$
Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area impacts	\$ 900.00	EACH		(10 hrs @ \$90/hr)	\$
Larger than 1 acre but < 5 acres - buffer and / or wetland or aquatic area impacts	\$ 1,440.00	DAY		(16 hrs @ \$90/hr)	\$
#					
Larger than 5 acres - buffer and / or wetland or aquatic area impacts	\$ 2,160.00	DAY		(24 hrs @ \$90/hr)	\$

Note from applicant: This is not including building materials and accounts for the deck/patio project, stair and mitigation. Total project estimated cost on permit app list \$60,000

Total \$53,807.4