

Topsoil, delivered and spread

Department of Permitting and 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 Is-wks-sensareaBQ.xls Is-wks-sensareaBQ.pdf

Project Name: Date: Prepared by:

Project Number: Project Description:

ocation:	Applicant:			Phone:		
PLANT MATERIALS (includes labor cost for plan	ı					
installation)	Link Bring	11-2	Quantity	I	Cont	
Type PLANTS: Potted, 4" diameter, medium	Unit Price		Quantity	Description	Cost	
PLANTS: Potted, 4 diameter, medium PLANTS: Container, 1 gallon, medium soil	\$5.00 \$11.50	Each Each			\$	
PLANTS: Container, 1 gallon, medium soil	\$20.00	Each			\$	-
PLANTS: Container, 5 gallon, medium soil	\$36.00	Each	18.00	conifer and deciduous trees	\$	648.00
PLANTS: Seeding, by hand	\$0.50	SY			\$	-
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		TOTAL	\$ \$	648.00
INSTALLATION COSTS (LABOR, EQUIP	MENT, & OVERH	EAD)				
Туре	Unit Price	Unit			Cost	
Compost, vegetable, delivered and spread	\$37.88	CY	4.00		\$	151.52
Decompacting till/hardpan, medium, to 6" depth Decompacting till/hardpan, medium, to 12" depth	\$1.57 \$1.57	CY CY			\$	-
Hydroseeding	\$0.51	SY			\$	
Labor, general (landscaping other than plant installation)	\$40.00	HR			\$	-
Labor, general (construction)	\$40.00	HR	15.00		\$	600.00
Labor: Consultant, supervising	\$55.00	HR	2.00		\$	110.00
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	Each	18.00		\$	126.00
Surveying, line & grade	\$250.00	HR			\$	-
Surveying, topographical	\$250.00	HR			\$	-
Watering, 1" of water, 50' soaker hose Irrigation - temporary	\$3.62	MSF	0.25		\$	750.00
Irrigation - buried	\$3,000.00 \$4,500.00	Acre Acre	0.23		\$	/30.00
Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep	\$1.02	SY			\$	-
3-7				TOTAL	\$	1,737.52
HABITAT STRUCTURES*				1		
ITEMS	Unit Cost	Unit			Cost	
Fascines (willow)	\$ 2.00	Each			\$	-
Logs, (cedar), w/ root wads, 16"-24" diam., 30' long Logs (cedar) w/o root wads, 16"-24" diam., 30'	\$1,000.00	Each			\$	-
Logs, w/o root wads, 16"-24" diam., 30' long	\$400.00 \$245.00	Each 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	\$22.00	CY			\$	-
Weir - log	\$1,500.00	Each			\$	-
Weir - adjustable	\$2,000.00	Each			\$	-
Woody debris, large	\$163.00	Each			\$	-
Snags - anchored	\$400.00	Each			\$	-
Snags - on site Snags - imported	\$50.00 \$800.00	Each Each			\$	<u> </u>
* All costs include delivery and installation	ψοσο.σσ	Lacii		TOTAL	\$	-
EROSION CONTROL				•	•	
ITEMS	Unit Cost	Unit		I	Cost	
Backfill and Compaction-embankment	\$ 4.89	CY			\$	-
Crushed surfacing, 1 1/4" minus Ditching	\$30.00 \$7.03	CY CY			\$	-
Excavation, bulk	\$4.00	CY			\$	
Fence, silt	\$1.60	LF			\$	_
Jute Mesh	\$1.26	SY			\$	-
Mulch, by hand, straw, 2" deep	\$1.27	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			\$	-
	\$14.00	LF			\$	-
Piping, temporary, CPP, 8"					\$	-
Piping, temporary, CPP, 12"	\$18.00	LF cv			ď	
Piping, temporary, CPP, 12" Plastic covering, 6mm thick, sandbagged	\$18.00 \$2.00	SY			\$	-
Piping, temporary, CPP, 12* Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes	\$18.00 \$2.00 \$33.98	SY CY			\$	=
Piping, temporary, CPP, 12* Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes Rock Constr. Entrance 100'x15'x1'	\$18.00 \$2.00 \$33.98 \$3,000.00	SY CY Each			\$ \$	
Piping, temporary, CPP, 12* Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes	\$18.00 \$2.00 \$33.98	SY CY Each Each			\$	-
Piping, temporary, CPP, 12" Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes Rock Constr. Entrance 100'x15'x1' Rock Constr. Entrance 50'x15'x1'	\$18.00 \$2.00 \$33.98 \$3,000.00 \$1,500.00	SY CY Each			\$ \$ \$	-
Piping, temporary, CPP, 12" Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes Rock Constr. Entrance 100'x15'x1' Rock Constr. Entrance 50'x15'x1' Sediment pond riser assembly	\$18.00 \$2.00 \$33.98 \$3,000.00 \$1,500.00 \$1,695.11	SY CY Each Each Each			\$ \$ \$ \$	-
Piping, temporary, CPP, 12" Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes Rock Constr. Entrance 100'x15'x1' Rock Constr. Entrance 50'x15'x1' Sediment pond riser assembly Sediment trap, 5' high berm	\$18.00 \$2.00 \$33.98 \$3,000.00 \$1,500.00 \$1,695.11 \$15.57	SY CY Each Each Each LF			\$ \$ \$ \$	- - - -
Piping, temporary, CPP, 12" Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes Rock Constr. Entrance 100'x15'x1' Rock Constr. Entrance 50'x15'x1' Sediment pond riser assembly Sediment trap, 5' high berm Sediment trap, 5' high berm w/spillway incl. riprap Sodding, 1" deep, level ground Sodding, 1" deep, sloped ground	\$18.00 \$2.00 \$33.98 \$3,000.00 \$1,500.00 \$1,695.11 \$15.57 \$59.60 \$5.24	SY CY Each Each Each LF LF SY			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - -
Piping, temporary, CPP, 12" Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes Rock Constr. Entrance 100'x15'x1' Rock Constr. Entrance 50'x15'x1' Sediment pond riser assembly Sediment trap, 5' high berm Sediment trap, 5' high berm w/spillway incl. riprap Sodding, 1" deep, level ground Sodding, 1" deep, sloped ground Straw bales, place and remove	\$18.00 \$2.00 \$33.98 \$3,000.00 \$1,500.00 \$1,695.11 \$15.57 \$59.60 \$5.24 \$6.48	SY CY Each Each Each LF LF SY SY			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
Piping, temporary, CPP, 12" Plastic covering, 6mm thick, sandbagged Rip Rap, machine placed, slopes Rock Constr. Entrance 100'x15'x1' Rock Constr. Entrance 50'x15'x1' Sediment pond riser assembly Sediment trap, 5' high berm Sediment trap, 5' high berm w/spillway incl. riprap Sodding, 1" deep, level ground Sodding, 1" deep, sloped ground	\$18.00 \$2.00 \$33.98 \$3,000.00 \$1,500.00 \$1,695.11 \$15.57 \$59.60 \$5.24	SY CY Each Each Each LF LF SY			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-

\$35.73

CY

TOTAL

ITEMS	Unit Cost	Unit				Cost	
Fencing, chain link, 6' high	\$18.89	LF				\$	
Fencing, chain link, orner 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				\$	_
Signs, sensitive area boundary (inc. backing, post, install)	\$28.50	Each				\$	-
Signs, sensitive area boundary (inc. backing, post, instan)		l l			TOTAL	\$	-
OTHER				(Construction C	ost Subtotal)	\$	2,385.52
	Percentage of						
ITEMS	Construction						
	Cost	Unit				Cost	
Mobilization	10%	1				\$	238.55
Contingency	30%	1				\$	715.66
					TOTAL	\$	954.21
MAINTENANCE AND MONITORING	monitoring an for developme	nd maintenance te	rms. This will	nents may be required be evaluated on a cas I maintance ranges ma	e-by-case basis		
Maintenance, annual (by owner or consultant)							
Less than 1,000 sq.ft. and buffer mitigation only	\$ 1.08	250	250.00	(3 X SF total for 3 an Includes monitoring	,	\$	270.00
Less than 1,000 sq.ft. with wetland or aquatic area mitigation	\$ 1.35	SF		(3 X SF total for 3 an Includes monitoring	nual events;	\$	
Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer							
mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of wetland	\$ 180.00	EACH		(4hr @\$45/hr)		\$	
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 Larger than 5 acres - buffer and / or wetland or aquatic area	\$ 1,600.00	DAY		(WEC crew)		\$	-
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	0.50	(8 hrs @ 90/hr)		\$	360.00
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 than5 acres - buffer and / or wetland or aquatic area	,			(10 1113 @ \$30/111)			
impacts	\$ 2,160.00	DAY		(24 hrs @ \$90/hr)	TOTAL	\$	-
					TOTAL	\$	630.00