2 4 1	Department of Permitting	C	Critical Are	ation	C24 09/09/2015				
	Environmental Review	Bo	ond Quanti	sheet	ls-wks-sensareaBQ.xls				
350	030 SE Douglas Str, Suite 210	)				ls-wks-sensareaBQ.pdf			
ing County <sup>,</sup>	Snoqualmie, WA 98065-9266	;							
	206-296-6600 TTY Relay: 711								
_	-		- 40.0	00					
oject Name: Ea	ast House		Date: 12.8	.20	Prepared by: Chris Lut	hi			
	0004 400	Due le cé Due		055					
oject Number:	2001-100	Project Des	cription: N	ew SFR - A	2000sf steep slope mitiga	auon			
ocation: 4270 E	. Mercer Way		Applicant:	Millad V L	LC Phone	: 206.972.4140			
PLANT MATER plant installation)	RIALS (includes labor cost for								
Туре		Unit Price	Unit	Quantity	Description	Cost			
PLANTS: Potted, 4" di	ameter medium	\$5.00	Each		Description	\$			
PLANTS: Container, 1		\$11.50	Each			\$			
PLANTS: Container, 2	gallon, medium soil	\$20.00	Each	79	Fern, Spirea, Rosa	\$ 1580			
PLANTS: Container, 5		\$36.00	Each	45	Thuja, Acer, Taxus	\$ 1620			
PLANTS: Seeding, by		\$0.50	SY			\$			
PLANTS: Slips (willow		\$2.00	Each	405		\$			
PLANTS: Stakes (willo	,	\$2.00	Each	135		\$ 270			
PLANTS: Stakes (willo	OW)	\$2.00 \$2.00	Each			\$ \$			
PLANTS: Flats/plugs		\$2.00	Each		TO TA1				
					TOTAL	<b>\$</b> 3470			
	N COSTS ( LABOR, EQU	-	,			Cost			
Type Compost, vegetable, de	elivered and spread	Unit Price \$37.88	Unit	6	compost	Cost \$ 227.28			
	pan, medium, to 6" depth	\$37.00 \$1.57	CY	v	compost	\$			
	pan, medium, to 12" depth	\$1.57	CY			\$			
Hydroseeding	,	\$0.51	SY			\$			
, ,	aping other than plant installation)								
		\$40.00	HR	20	misc	\$ 800			
Labor, general (constru		\$40.00	HR	-		\$ 275			
Labor: Consultant, supe	*	\$55.00 \$95.00	HR HR	5	misc	\$ 275 \$			
Labor: Consultant, on-s Rental of decompacting		\$95.00 \$70.00	HR HR		+	\$			
Sand, coarse builder's,		\$42.00	СҮ			\$			
Staking material (set pe		\$7.00	Each	45	staking	\$ 315			
Surveying, line & grade	,	\$250.00	HR			\$			
Surveying, topographic		\$250.00	HR			\$			
Watering, 1" of water, 5	50' soaker hose	\$3.62	MSF	-		\$			
Irrigation - temporary		\$3,000.00	Acre	.05		\$ 150			
Irrigation - buried		\$4,500.00 \$1.02	Acre SY			\$ 225 \$			
Tilling topsoil, disk harrow	, 20hp tractor, 4"-6" deep	φ1.0Z	31		TOTAL	\$ 1992.28			
HABITAT STRU	JCTURES*				TOTAL	a 1002.20			
ITEMS		Unit Cost	Unit			Cost			
Fascines (willow)		\$ 2.00	Each			\$			
	ls, 16"-24" diam., 30' long	\$1,000.00	Each			\$			
	0, 10 24 diam., 00 long	\$400.00	Each			\$			
<b>3</b> ( ),	ls, 16"-24" diam., 30'								
Logs (cedar) w/o root wad Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2		\$245.00	Each			\$			
Logs (cedar) w/o root wad	24" diam., 30' long		Each Each			\$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man	24" diam., 30' long	\$245.00 \$460.00 \$60.00				\$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man	24" diam., 30' long	\$245.00 \$460.00 \$60.00 \$120.00	Each Each Each			\$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$60.00 \$120.00 \$163.00	Each Each Each Each			\$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$60.00 \$120.00 \$163.00 \$22.00	Each Each Each Each CY			\$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type w Weir - log	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$60.00 \$120.00 \$163.00	Each Each Each Each			\$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00	Each Each Each Each CY Each			\$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type J Weir - log Weir - adjustable	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$2,000.00	Each Each Each Each CY Each Each			\$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type J Weir - log Weir - adjustable Woody debris, large	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$163.00 \$163.00 \$400.00 \$50.00	Each Each Each CY Each Each Each Each Each			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type J Weir - log Weir - adjustable Woody debris, large Snags - anchored	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$2,000.00 \$163.00 \$400.00	Each Each Each CY Each Each Each Each			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Rocks, two-man Root wads Spawning gravel, type w Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - imported	24" diam., 30' long " diam., 30' long	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$163.00 \$163.00 \$400.00 \$50.00	Each Each Each CY Each Each Each Each Each		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type / Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - imported	24" diam., 30' long " diam, 30' long A A s include delivery and installation	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$163.00 \$163.00 \$400.00 \$50.00	Each Each Each CY Each Each Each Each Each		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/o root wads, 16"-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - imported * All costr EROSION CON ITEMS	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$2,000.00 \$163.00 \$400.00 \$50.00 \$800.00	Each Each Each CY Each Each Each Each Each Each		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type w Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - on site Snags - imported * All cost EROSION CON ITEMS Backfill and Compactio	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$163.00 \$400.00 \$50.00 \$800.00 \$800.00 \$800.00	Each Each Each CY Each Each Each Each Each Each Cy Unit	20	TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Root wads Spawning gravel, type . Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - Imported * All cost: EROSION CON ITEMS Backfill and Compactio Crushed surfacing, 1 1/	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$50.00 \$800.00 \$800.00 \$3800.00	Each Each Each CY Each Each Each Each Each Each CY CY	20	TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type . Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - on site Snags - imported * All cost: EROSION CON ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$2,000.00 \$400.00 \$400.00 \$50.00 \$800.00 \$30.00 \$30.00 \$7.03	Each Each Each CY Each Each Each Each Each Each CY CY	20	TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Root wads Spawning gravel, type . Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - Imported * All cost: EROSION CON ITEMS Backfill and Compactio Crushed surfacing, 1 1/	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$50.00 \$800.00 \$800.00 \$3800.00	Each Each Each CY Each Each Each Each Each Each CY CY	20	TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type . Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - on site Snags - on site Snags - on site Snags - imported * All cost: EROSION CON ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$163.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$350.00 \$800.00 \$30.00 \$30.00 \$7.03 \$4.00	Each Each Each CY Each Each Each Each Each Each CY CY CY	20	TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/o root wads, 16*-2 Rocks, one-man Rocks, two-man Rocks, two-man Root wads Spawning gravel, type J Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - anchored Snags - anchored Snags - on site Snags - imported * All cost EROSION CON ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment 4" minus	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$163.00 \$400.00 \$50.00 \$800.00 \$800.00 \$800.00 \$30.00 \$30.00 \$7.03 \$4.00 \$1.60	Each Each Each Each Each Each Each Each	20	TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-2 Rocks, one-man Rocks, two-man Rocks, two-man Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - a	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment (4" minus 2" deep chips, 2" deep	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$163.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$30.00 \$30.00 \$1.60 \$1.26 \$1.27 \$3.25	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY SY SY	20	TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-2 Logs w/ root wads, 16"-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - anchored snags - on site Snags - on site Snags - on site Snags - imported * All cost ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt Jute Mesh Mulch, by hand, straw, Mulch, by hand, wood of	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL n-embankment /4" minus 2" deep chips, 2" deep aw, 1" deep aw, 1" deep	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$163.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$30.00 \$163.00 \$4.00 \$1.26 \$1.27 \$3.25 \$0.32	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY CY SY SY		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-2 Logs w/ root wads, 16"-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - anchored Snags - anchored Snags - on site Snags - imported * All costr <b>EROSION CON</b> ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt Jute Mesh Mulch, by hand, straw, Mulch, by hand, wood of Mulch, by machine, stra	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL u-embankment 44" minus 21" deep 21" deep aw, 1" deep P, 6"	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$163.00 \$400.00 \$163.00 \$163.00 \$163.00 \$1.00 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY SY SY SY		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - anchored Snags - anchored Snags - on site Snags - imported * All cost <b>EROSION CON</b> ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt Jute Mesh Mulch, by hand, straw, Mulch, by machine, stra Piping, temporary, CPF	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL P-embankment 44" minus 21" deep chips, 2" deep aw, 1" deep P, 6" D, 8"	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$30.00 \$1.63 \$4.00 \$1.60 \$1.26 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30 \$14.00	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY CY SY SY SY SY		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type . Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - imported * All cost <b>EROSION CON</b> ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt Jute Mesh Mulch, by hand, straw, Mulch, by machine, straw, Piping, temporary, CPF Piping, temporary, CPF	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL un-embankment (4" minus 2" deep chips, 2" deep aw, 1" deep 2, 6" 2, 8" 2, 12"	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$163.00 \$400.00 \$163.00 \$163.00 \$163.00 \$1.00 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY CY SY SY SY SY LF LF		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-24 Rocks, one-man Rocks, two-man Rocks, two-man Weir - log Weir - adjustable Woody debris, large Snags - andjustable Woody debris, large Snags - andjustable Moort - adjustable RECOSION CON ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt Jute Mesh Mulch, by hand, straw, Mulch, by hand, straw, Mulch, by machine, stra Piping, temporary, CPP Piping, temporary, CPP Piping, temporary, CPP Piping, temporary, CPP	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL un-embankment 44" minus 2" deep chips, 2" deep aw, 1" deep 2, 6" 2, 8" 2, 12" thick, sandbagged	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$30.00 \$1.60 \$1.26 \$1.26 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30 \$14.00 \$18.00	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY CY SY SY SY SY		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16*-2 Logs w/ root wads, 16*-2 Logs w/ root wads, 16*-2 Rocks, two-man Root wads Spawning gravel, type / Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - anchored Snags - on site Snags - imported * All cost <b>EROSION CON</b> ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt Jute Mesh Mulch, by hand, straw, Mulch, by machine, straw, Piping, temporary, CPF Piping, temporary, CPF	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL 2" deep 2" deep chips, 2" deep aw, 1" deep 2, 6" 5, 8" 5, 12" thick, sandbagged ed, slopes	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$30.00 \$1.20 \$1.27 \$3.25 \$0.32 \$9.30 \$14.00 \$14.00 \$14.00 \$18.00	Each Each Each CY Each Each Each Each Each Each Each CY CY CY CY CY CY CY CY SY SY SY SY SY SY SY SY SY		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-24 Rocks, one-man Rocks, two-man Rocks, two-man Weir - log Weir - log Rocks, large Snags - anchored Snags - an site Snags - anchored Snags - anchore	24" diam., 30' long " diam., 30' long A A s include delivery and installation ITROL 1"ROL 1"ROL 2" deep chips, 2" deep 2" deep chips, 2" deep 2, 6" 2, 8" 2, 12" thick, sandbagged ed, slopes 100'x15'x1'	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$2,000.00 \$163.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$163.00 \$4.00 \$1.60 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30 \$14.00 \$18.00 \$2.00 \$33.98	Each Each Each Each Each Each Each Each		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-24 Rocks, one-man Rocks, two-man Rocks, two-man Rock and the second Snags - and the second	24" diam., 30' long " diam., 30' long A A Sinclude delivery and installation ITROL 2" deep Chips, 2" deep aw, 1" deep 2, 6" 2, 8" 2, 12" thick, sandbagged ed, slopes 100'x15'x1' 50'x15'x1'	\$245.00 \$460.00 \$163.00 \$22.00 \$1,500.00 \$22,00 \$1,500.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$4.00 \$1.60 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30 \$14.00 \$18.00 \$18.00 \$2.00 \$3.398 \$3,000.00	Each Each Each Each Each Each Each Each		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wads Logs, w/o root wads, 16"-24 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - anchored Snags - anchored Snags - an site Snags - anchored Snags - on site Snags - anchored Snags - on site Snags - on site State - State Rock Constr. Entrance Sediment pond riser as Sediment trap, 5' high t	24" diam., 30' long " diam., 30' long A A Sinclude delivery and installation ITROL 2" deep Chips, 2" deep aw, 1" deep 2, 6" 2, 8" 2, 12" Thick, sandbagged ed, slopes 100x15x1' 50'x15'x1' issembly berm	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$163.00 \$163.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$30.00 \$1.60 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30 \$14.00 \$14.00 \$14.00 \$14.00 \$33.98 \$33.98 \$33.00.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,557	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY CY CY CY SY SY SY SY SY SY SY SY SY SY SY SY SY		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wads Logs, w/o root wads, 16"-24 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Rocks, two-man Weir - log Weir - log Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - anchored Snags - on site Snags - on site State Snags - on site State St	24" diam., 30' long " diam., 30' long A A S include delivery and installation ITROL 2" deep Chips, 2" deep aw, 1" deep 2, 6" 2, 8" 2, 12" thick, sandbagged ed, slopes 100'x15'x1' Sembly berm m w/spillway incl. riprap	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$163.00 \$400.00 \$50.00 \$800.00 \$800.00 \$800.00 \$163.00 \$4.00 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$15.57 \$59.60	Each Each Each CY Each Each Each Each Each Each CY CY CY CY CY CY CY CY CY CY SY SY SY SY SY SY SY SY SY CY CY CY CY CY CY CY CY CY CY CY CY CY		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wads Logs, w/o root wads, 16"-24 Logs w/ root wads, 16"-24 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type / Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - on site Snags - anchored * All costr <b>EROSION CON</b> ITEMS Backfill and Compactio Crushed surfacing, 1 1/ Ditching Excavation, bulk Fence, silt Jute Mesh Mulch, by hand, straw, Mulch, by hand, straw, Mulch, by hand, straw, Mulch, by hand, straw, Mulch, by hand, straw, Piping, temporary, CPF Piping, temporary, CPF Piping, temporary, CPF Piping, temporary, CPF Piping, temporary, CPF Piping, temporary, CPF Rock Constr. Entrance Rock Constr. Entrance Rock Constr. Entrance Rock Constr. Entrance	24" diam., 30' long " diam., 30' long A A S include delivery and installation ITROL C C C C C C C C C C C C C C C C C C C	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$163.00 \$400.00 \$163.00 \$163.00 \$1.26 \$1.27 \$3.25 \$0.32 \$9.30 \$1.400 \$14.00 \$14.00 \$18.00 \$14.00 \$14.00 \$14.00 \$14.00 \$15.57 \$59.60 \$52.4	Each Each Each Each Each Each Each Each		Image: constraint of the second se	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-24 Rocks, one-man Rocks, two-man Rocks, two-man Rocks, two-man Root wads Spawning gravel, type J Weir - log Weir - adjustable Woody debris, large Snags - anchored Snags - an site Snags -	24" diam., 30' long " diam., 30' long A A S include delivery and installation ITROL C C C C C C C C C C C C C C C C C C C	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$163.00 \$400.00 \$163.00 \$400.00 \$163.00 \$400.00 \$163.00 \$100 \$100 \$1.60 \$1.27 \$3.25 \$0.32 \$0.32 \$0.32 \$9.30 \$1.400 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$15.57 \$59.60 \$52.4 \$6.48	Each Each Each Each Each Each Each Each		Image: constraint of the second se	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wad Logs, w/o root wads, 16"-24 Rocks, one-man Rocks, two-man Rocks, two-man Weir - adjustable Woody debris, large Snags - andjustable Woody debris, large Snags - anchored Snags - an site Snags	24" diam., 30' long " diam., 30' long A A S include delivery and installation ITROL C C C C C C C C C C C C C C C C C C C	\$245.00 \$460.00 \$120.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$163.00 \$400.00 \$163.00 \$1.20	Each Each Each CY Each Each Each Each Each Each Each CY CY CY CY CY CY CY CY CY CY CY CY CY			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Logs (cedar) w/o root wads Logs, w/o root wads, 16"-2 Logs w/ root wads, 16"-2 Logs w/ root wads, 16"-2 Rocks, one-man Rocks, two-man Root wads Spawning gravel, type , Weir - adjustable Woody debris, large Snags - anchored Snags - an site Snags - an site	24" diam., 30' long " diam., 30' long A A S include delivery and installation ITROL C C C C C C C C C C C C C C C C C C C	\$245.00 \$460.00 \$120.00 \$163.00 \$22.00 \$1,500.00 \$1,500.00 \$400.00 \$400.00 \$50.00 \$800.00 \$800.00 \$30.00 \$163.00 \$400.00 \$163.00 \$400.00 \$163.00 \$400.00 \$163.00 \$100 \$100 \$1.60 \$1.27 \$3.25 \$0.32 \$0.32 \$0.32 \$9.30 \$1.400 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$14.00 \$15.57 \$59.60 \$52.4 \$6.48	Each Each Each Each Each Each Each Each		Image: constraint of the second se	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			

TEMS	Unit Cost	Unit				Cos	t	
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	240			\$	288	-
Signs, sensitive area boundary (inc. backing, post, install)	\$28.50	Each				\$	28.50	-
					TOTAL	\$	316.5	-
OTHER	(Construction Cost Subtotal) \$ 5928.58				-			
	Percentage				,			
ITEMS	of							
	Construction	Unit				Cos	t	
Mobilization	10%	1				\$	592.86	-
Contingency	30%	1				\$	1778.57	-
					TOTAL	\$	2371.43	-
AINTENANCE AND MONITORING	longer moni case basis f	itoring and mainte	pplications.	rements may be requir . This will be evaluated Monitoring and maintan	l on a case-by-			
Maintenance, annual (by owner or consultant)								
Less than 1,000 sq.ft. and buffer mitigation only	\$ 1.08	SF		(3 X SF total for 3 annual events; Includes monitoring)		\$		-
Less than 1,000 sq.ft. with wetland or aquatic area	\$ 1.35	SF		(3 X SF total for 3 annual events;		\$		_
mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer mitigation	\$ 180.00	EACH		Includes monitoring) (4hr @\$45/hr)		ֆ Տ	180	
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	\$ 1,600.00	DAY		(WEC crew)		\$		-
aquatic area mitigation				(1.25 X WEC crew)		\$		-
	\$ 2,000.00	DAY		(1.25 X WEC crew)		Ψ		-
aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic area		DAY		(1.25 X WEC crew)		Ψ		-
aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic area mitigation		DAY		(1.25 X WEC crew)		ę	720	-
aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic area mitigation Monitoring, annual (by owner or consultant) Larger than 1,000 sq.ft. but less than 5,000 wetland or buffer mitigation	\$ 2,000.00 \$ 720.00	DAY		(1.25 X WEC crew) (8 hrs @ 90/hr)		\$ \$	720	-
aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic area mitigation Monitoring, annual (by owner or consultant)	\$ 2,000.00 \$ 720.00						720	
aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic area mitigation Monitoring, annual (by owner or consultant) Larger than 1,000 sq.ft. but less than 5,000 wetland or buffer mitigation Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic	\$ 2,000.00 \$ 720.00	EACH		(8 hrs @ 90/hr)		\$	720	
aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic area mitigation Monitoring, annual (by owner or consultant) Larger than 1,000 sq.ft. but less than 5,000 wetland or buffer mitigation Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area impacts Larger than 1 acre but < 5 acres - buffer and / or wetland or	\$ 2,000.00 \$ 720.00 \$ 900.00	EACH EACH		(8 hrs @ 90/hr) (10 hrs @ \$90/hr) (16 hrs @ \$90/hr)		\$	720	
aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic area mitigation Monitoring, annual (by owner or consultant) Larger than 1,000 sq.ft. but less than 5,000 wetland or buffer mitigation Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area impacts Larger than 1 acre but < 5 acres - buffer and / or wetland or aquatic area impacts Larger than 5 acres - buffer and / or wetland or aquatic area	\$ 2,000.00 \$ 720.00 \$ 900.00 \$ 1,440.00	EACH EACH DAY		(8 hrs @ 90/hr) (10 hrs @ \$90/hr)	TOTAL	\$ \$ \$	900	