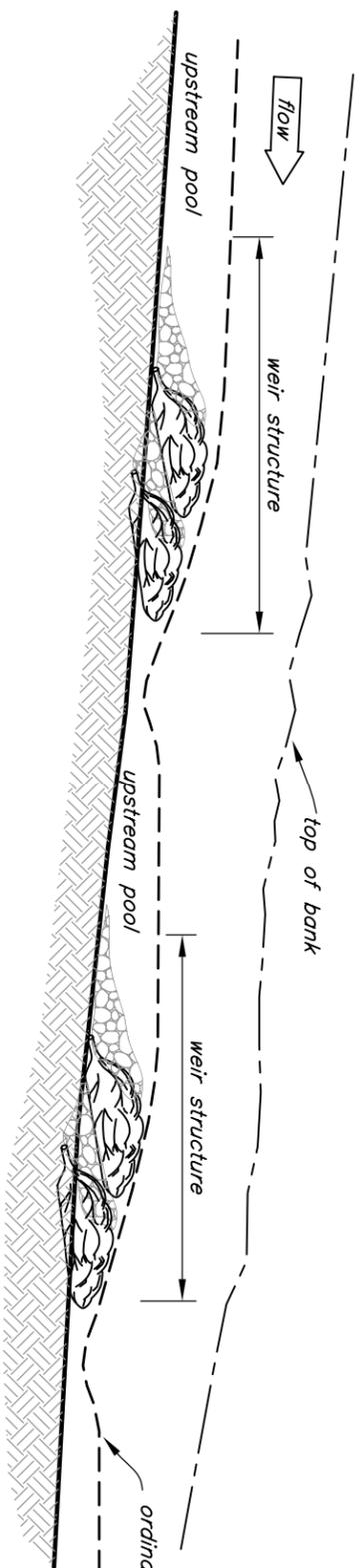


PLAN VIEW

STEEPEST ALLOWABLE SIDE SLOPES (H to V)

ROCK TYPE	UPSTREAM	DOWNSTREAM
Rectangular slab rock or flagstone, hand placed	1/2 to 1	1/2 to 1
Angular rock	1 to 1	1-1/2 to 1
Round rock	1:1	2:1



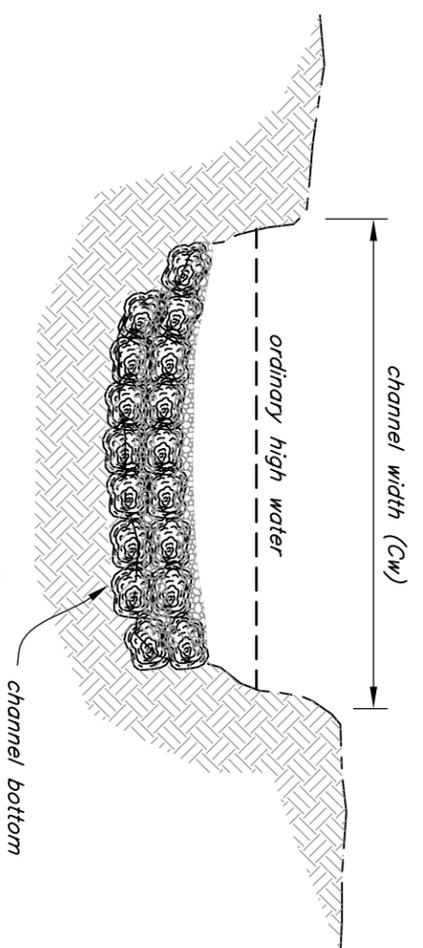
PROFILE

ROCK AND BRUSH WEIR SCHEDULE

STRUCTURE ID	STATION	ELEVATION	Cw	L	Rock (cu.yds.)	Gravel (cu.yds.)
RBW # 1	x+xx	xxxx.x	xx.x'	xxx.x'	xxx	xxx
RBW # 2	x+xx	xxxx.x	xx.x'	xxx.x'	xxx	xxx
RBW # 3	x+xx	xxxx.x	xx.x'	xxx.x'	xxx	xxx
RBW # 4	x+xx	xxxx.x	xx.x'	xxx.x'	xxx	xxx
RBW # 5	x+xx	xxxx.x	xx.x'	xxx.x'	xxx	xxx

ROCK:
 Rock shall be hard, durable, and approved by the responsible technician prior to placement. Unless otherwise specified on drawings, rock shall have a minimum volume equivalent of a six-inch diameter spherical rock. Fifty percent of the rock placed in the structure shall have a volume equal to or greater than an eight-inch diameter spherical rock. Larger sized rock shall be placed on the weir crest, top, and downstream faces of the structure. Care shall be taken in the placement of all rock on the exposed flow surfaces of the structure to minimize the amount of each rock's face area exposed to flowing water. This is especially important when using rectangular or slab rock to assure that the rocks will not move under high flow conditions.

BRUSH:
 The brush used shall be from fresh cut, live evergreen trees, or other approved material, and shall have a maximum stem diameter of 1 1/2 inches. Brush layers above the base layer shall be placed in sloping layers, with the slope angle being between 20°-45° to the horizontal. Layers shall be sloped so that the raised end of the sloping brush layer is on the downstream side of the dam. Structures built with hand fitted slab or rectangular rock may be constructed with only a base brush layer and no internal brush layers.



SECTION

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Drawing not to scale.

Designed	_____	Date	_____
Drawn	NRCS OREGON	5/2006	_____
Checked	_____	_____	_____
Approved	_____	_____	_____
Title	_____	_____	_____

BRUSH DAM

STREAMBANK RESTORATION



File Name
or_brush_dam.dwg
Drawing No.