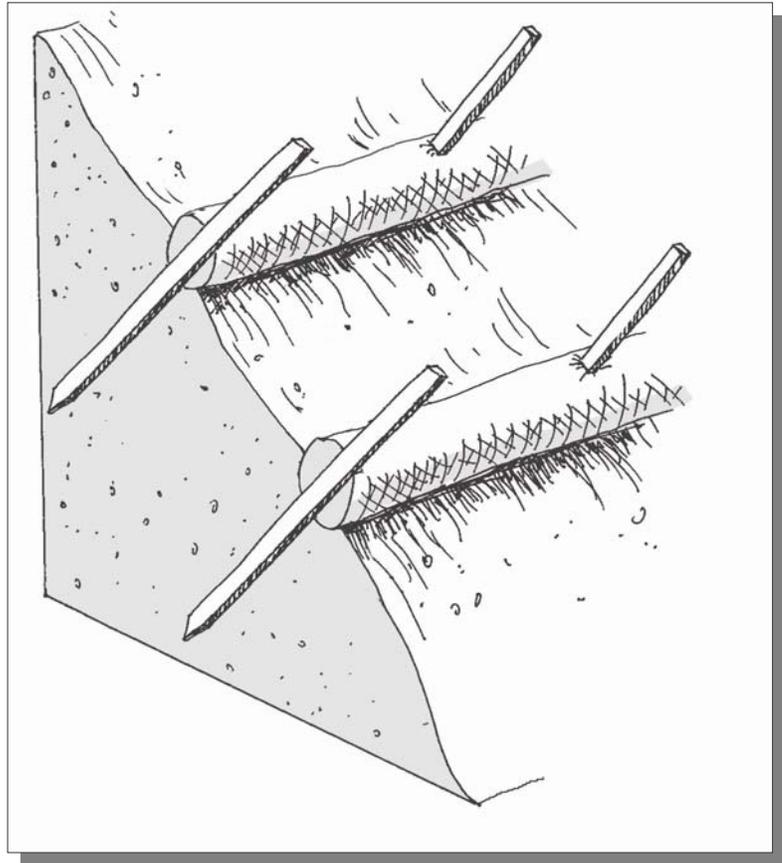
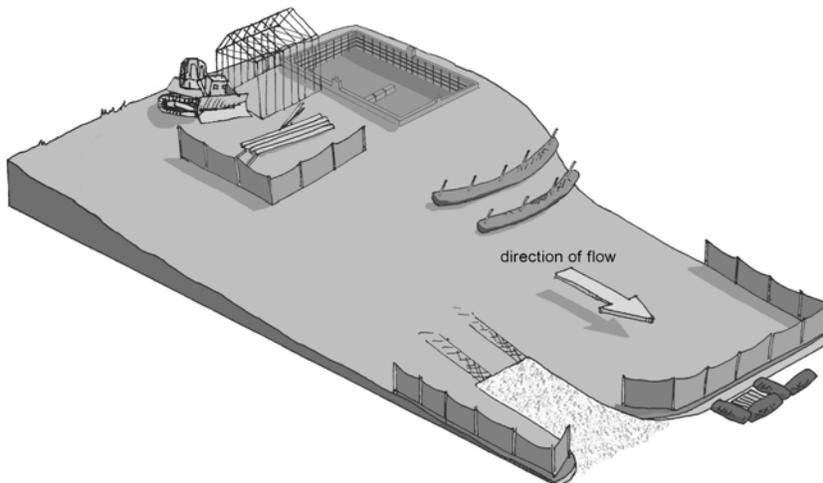


## BMP C235 – Straw Wattles for Erosion Control

Straw wattles prevent mud from flowing off the job site and into streams and rivers.



Straw wattles



Revised 3/30/12



Community Development  
 1300 Franklin Street, Vancouver, Washington  
 Phone: (360) 397-2375 Fax: (360) 397-2011  
[www.clark.wa.gov/development](http://www.clark.wa.gov/development)



For an alternate format,  
 contact the Clark County  
 ADA Compliance Office.  
 Phone: (360) 397-2322  
 Relay: 711 or (800) 833-6384  
 E-mail: [ADA@clark.wa.gov](mailto:ADA@clark.wa.gov)

CONSTRUCTION SPECIFICATIONS:

PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED.

SHALLOW GULLIES SHOULD BE SMOOTHED AS WORK PROGRESSES.

DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR. TO PLACE ROLLS IN, THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.

IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.

START BUILDING TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.

CONSTRUCT TRENCHES AT CONTOUR INTERVALS OF 3-12 FEET APART DEPENDING ON STEEPNESS OF SLOPE. THE STEEPER THE SLOPE, THE CLOSER TOGETHER THE TRENCHES.  
 1:1=10'    3:1=30'  
 2:1=20'    4:1=40'

LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.

USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR WOODEN STAKES.

DRIVE THE STAKE THROUGH PREPARED HOLE INTO SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL.

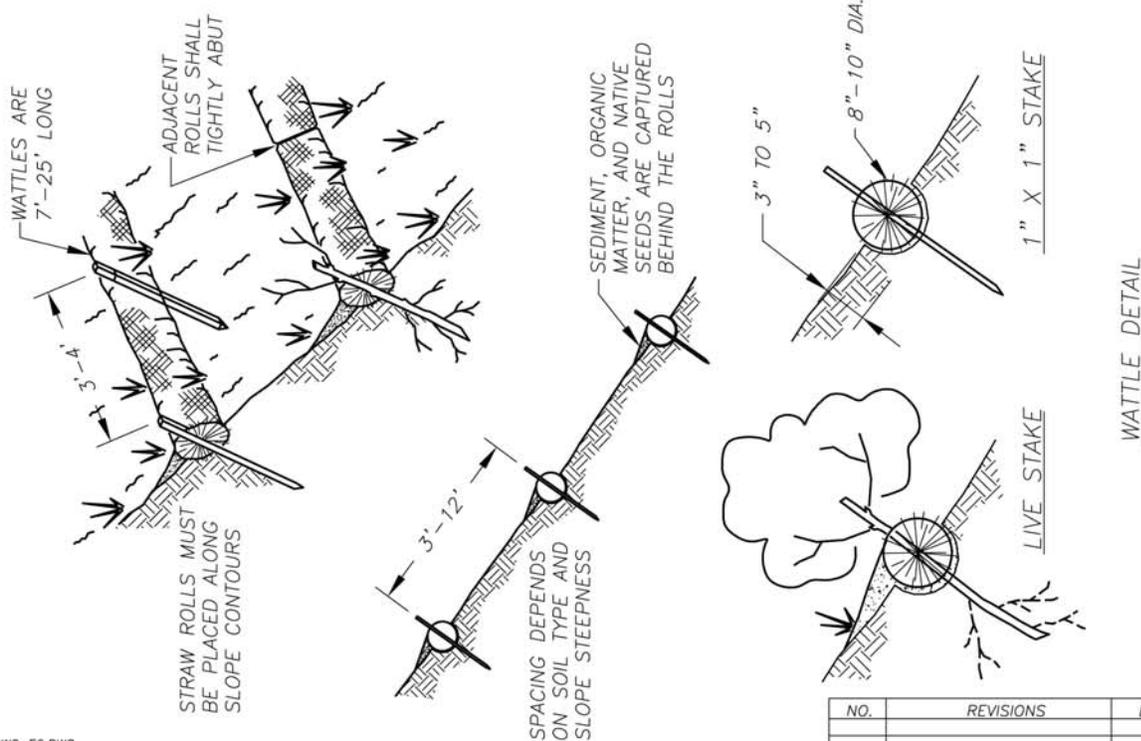
IF USING WILLOW STAKES REFER TO LIVE STAKING BMP.

INSTALL STAKES AT LEAST EVERY 4 FEET APART THROUGH THE WATTLE. ADDITIONAL STAKES MAY BE DRIVEN ON THE DOWNSLOPE SIDE OF THE TRENCHES ON HIGHLY ERODIVE OR VERY STEEP SLOPES.

INSPECT THE STRAW ROLLS AND THE SLOPES AFTER SIGNIFICANT STORMS. MAKE SURE THE ROLLS ARE IN CONTACT WITH THE SOIL.

REPAIR ANY RILLS OR GULLIES PROMPTLY.

RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED.



WATTLE DETAIL  
 WATTLES STAKED ALONG THE CONTOUR OF NEWLY CONSTRUCTED OR DISTURBED SLOPES. CAN OFTEN BE USED TO REPLACE SEDIMENT FENCES ON STEEP SLOPES.

DWG: E6.DWG



Department of Public Works  
**CLARK COUNTY**  
 WASHINGTON  
 proud past, promising future

*Peter Capen*  
 COUNTY ENGINEER

WATTLE  
 APPROVED

5/23/08  
 DATE

NO.	REVISIONS	DATE	BY

STANDARD  
**E6**  
 DETAIL  
 DESIGNED  
 DRAWN  
 DATE 05/23/08