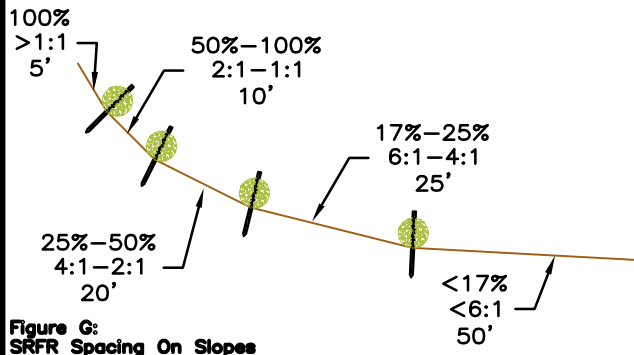


# ECWATTLE SEDIMENT RETENTION FIBER ROLL (SRFR) INSTALLATION GUIDE



**Figure G:**  
SRFR Spacing On Slopes

### ECWATTLE SEDIMENT RETENTION FIBER ROLLS (SRFRs)

#### Bare Soil Slope Installation

Prepare an even surface, free of debris and rocks. Seed and fertilize slope. Excavate a trench, placing the excavated soil on the upslope side of the trench per the SRFR Trenching Detail. Space the SRFRs down the slope per the Spacing on Slopes Detail. Match the anchor trench with the profile of the SRFR to ensure a snug fit. Place the SRFR in the trench and install the 1"x1" wooden stakes through the center of the SRFR, leaving no more than 2" of the stake exposed and perpendicular to the horizontal ground plane, 4' on center. Create a soil wedge with the excavated soil and compact well on the upslope side of the SRFR. Secure the ends of the SRFRs per the SRFR Connection/Overlapping Detail.

#### RECP/HECP Protected Slope Installation

Space the SRFRs down the slope on the top of the RECP or HECP per the Spacing on Slopes Detail. Install the SRFRs along the contour with a slight downward angle at the end of each row to prevent ponding at the midsection. Turn each end of the row upslope on a 45 degree angle. Install the 1"x1" wooden stakes on the downslope side of the SRFR and through the RECP or HECP, by penetrating only the netting of the SRFR and not the SRFR matrix. Secure the ends of the SRFRs by tightly abutting the ends and the SRFRs and driving a 1"x1" wooden stake through the center of the adjoining SRFR at an angle towards the first installed SRFR. Continue to install the wooden stakes on the downslope side of the second SRFR.

#### Perimeter Control and Minor Slopes (<6:1)

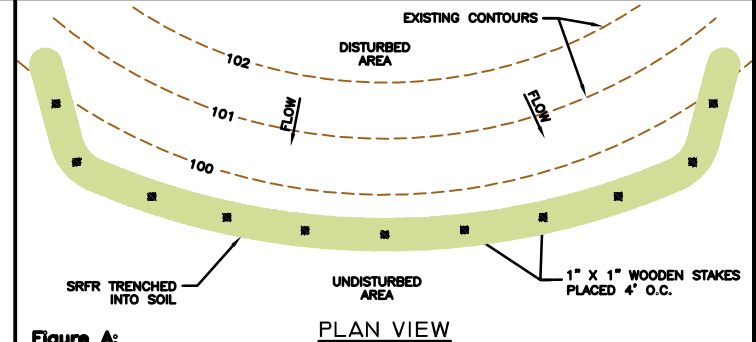
Excavate a 3" deep trench to match the profile of the SRFR at the perimeter of the project and install per the Perimeter Control Detail. For installation along sidewalks and behind street curbs, a 3" trench must be excavated, but staking might not be required.

#### Channel Check Dam Installation

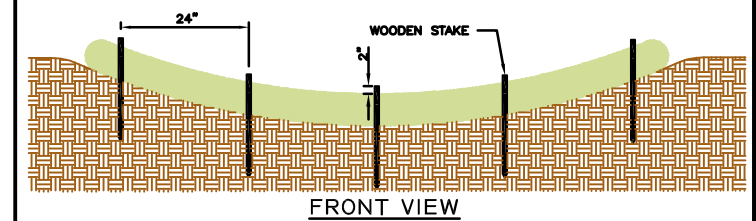
For bare soil channels, excavate a 3" anchor trench across the width of the channel and perpendicular to the flow path. The anchor trench must be extended at least 1' above the wetted perimeter of both side slopes of the channel. Match the anchor trench with the profile of the SRFR to ensure a snug fit. For bare soil channels and RECP lined channels, install 36" 2"x2" wooden stakes, starting at the centerline of the channel and then extending outward every two feet, on the downstream side of the SRFR to the top and bottom of the stakes with a coir twine, or similar material.

#### Low Flow Inlet Protection

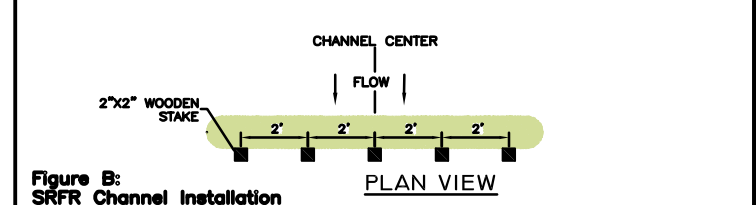
Excavate a 3" deep trench, 1'-1½' upslope of the inlet. Match the trench to the profile of the SRFR to ensure a snug fit. Place the excavated soil upslope of the trench. Place the SRFR in the trench and install the 1"x1" wooden stakes every 2' through the center of the SRFR, leaving no more than 2" of the stake exposed. Create a soil wedge with the excavated soil and compact well on the upslope side of the SRFR. Encircle the inlet with the SRFR and overlap the ends a minimum of 12", making sure to leave no gaps, where water can run directly into the inlet.



**Figure A:**  
SRFR's as Perimeter Controls and on Minor Slopes (6:1)



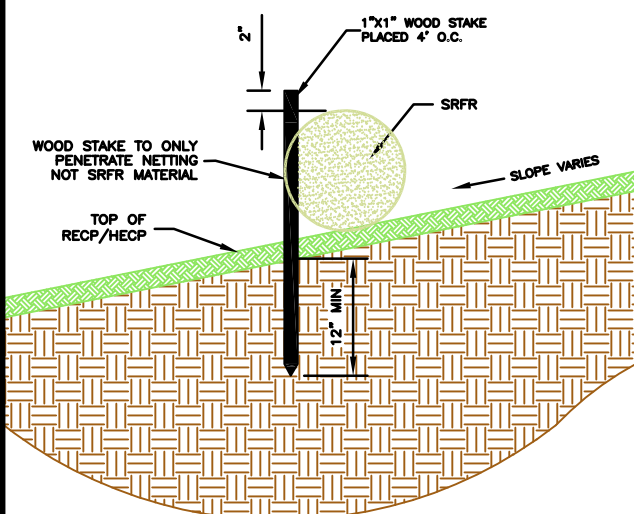
**Figure B:**  
SRFR Channel Installation



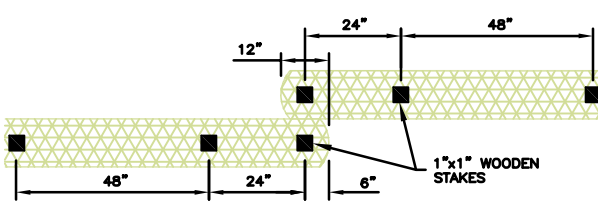
**Figure C:**  
SRFR Trenching Detail

SRFR DIAMETER	WOODEN STAKE LENGTH
9" SRFR	24"
12" SRFR	24"
20" SRFR	36"

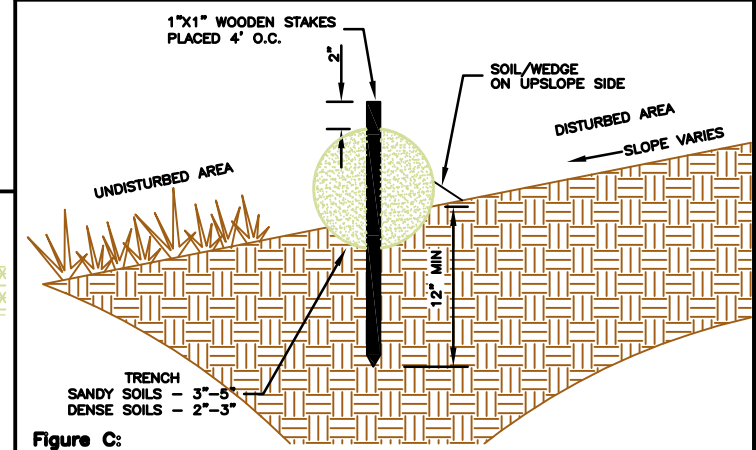
**Figure F:**  
SRFR Staking Guidelines



**Figure E:**  
SRFR Installation On Top of ECEB RECP or HECP



**Figure D:**  
SRFR Connection/Overlapping Detail



**Figure C:**  
SRFR Trenching Detail

**EAST COAST**  
erosion control

443 BRICKER ROAD BERNVILLE, PA 19506  
TOLL FREE: 1-800-582-4005 \* PHONE: +1-610-488-8496 \* FAX: +1-610-488-8494

Proud Member of:

DRAWN BY: MNR	DATE: 1/5/11
DRAWING # EC COIR WATTLE	
REV. #	DATE: