

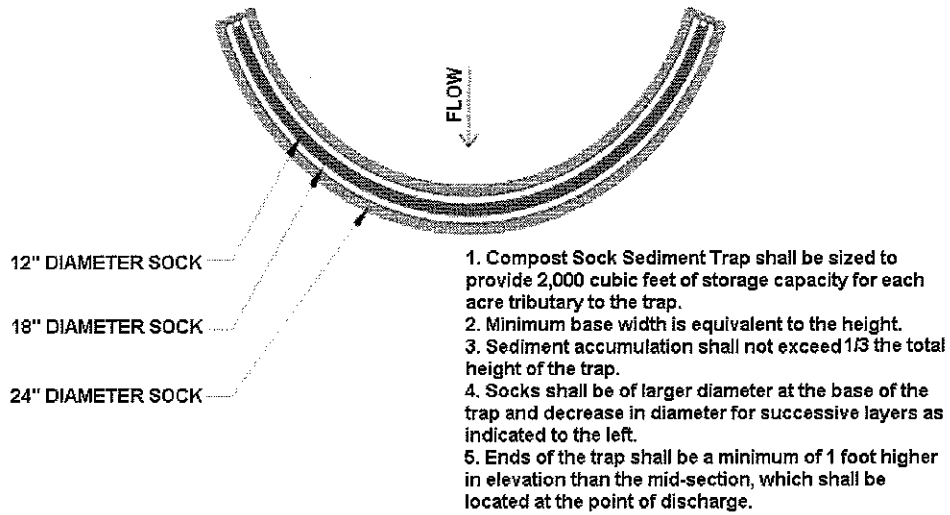


COMPOST SOCK SEDIMENT TRAP - Sediment Removal

Efficiency: HIGH. This device is an ABACT for HQ and EV watersheds. In many locations, there is little or no opportunity to direct runoff from an access road into a well-vegetated area. This may occur at entrances or where surface waters are in relatively close proximity to the access road. At such locations it may still be possible to treat the runoff by means of a compost filter sock. These structures can be installed, used and later removed with relatively little disturbance to the area. In fact, the compost within the sock

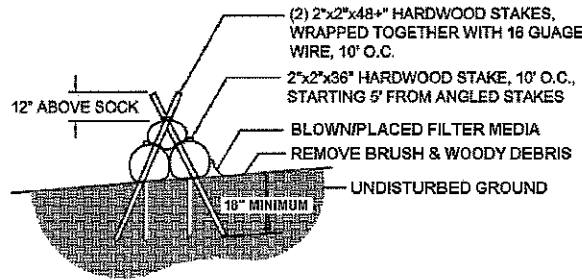
can be used during cleanup as a soil stabilizer or vegetative growth medium. Runoff may be directed into the trap using any of the devices described above. Compost filter socks are addressed in this chapter to emphasize their usefulness in controlling runoff from access roads. However these devices may be used at most locations where a temporary sediment trap is appropriate. The trap should be constructed according to Standard Construction Detail # 3-11. Sock material should meet the minimum standards provided in Table 4.1.

**STANDARD CONSTRUCTION DETAIL #3-11
Compost Sock Sediment Trap**



1. Compost Sock Sediment Trap shall be sized to provide 2,000 cubic feet of storage capacity for each acre tributary to the trap.
2. Minimum base width is equivalent to the height.
3. Sediment accumulation shall not exceed 1/3 the total height of the trap.
4. Socks shall be of larger diameter at the base of the trap and decrease in diameter for successive layers as indicated to the left.
5. Ends of the trap shall be a minimum of 1 foot higher in elevation than the mid-section, which shall be located at the point of discharge.

PLAN VIEW



Adapted from Filtrexx
STAKING DETAIL

Sock Material shall meet the standards of Table 4.1. Compost shall meet the following standards:

Organic Matter Content	80% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 8.0
Moisture Content	35% - 55%
Particle Size	98% pass through 1" screen
Soluble Salt Concentration	5.0 dS Maximum

Compost Sock Traps shall not exceed three socks in height and shall be stacked in pyramidal form as shown above. Minimum trap height is one 24" diameter sock. Additional storage may be provided by means of an excavated sump 12" deep extending 1 to 3 feet upslope of the socks.

Compost Sock Traps shall provide 2,000 cubic feet storage capacity with 12" freeboard for each tributary drainage area.

The maximum tributary drainage area is 5.0 acres. Since compost socks are "flow-through", no spillway is required.

Compost sock traps shall be inspected weekly and after each runoff event. Sediment shall be removed when it reaches 1/3 the height of the socks.

Photodegradable and biodegradable socks shall not be used for more than 1 year.