

INSTALLATION



Install “J-hooks” along extended portions of diversion silt fence to promote ponding and minimize the potential for silt fence failure.

Silt Fence Spacing Along Slopes

Land Slope	Max. Slope Distance
3% – 5%	100 ft.
5% – 10%	75 ft.
10% – 20%	50 ft.
20% – 50%	25 ft.



Use multiple sections of silt fence to interrupt long slopes.

SILT FENCE



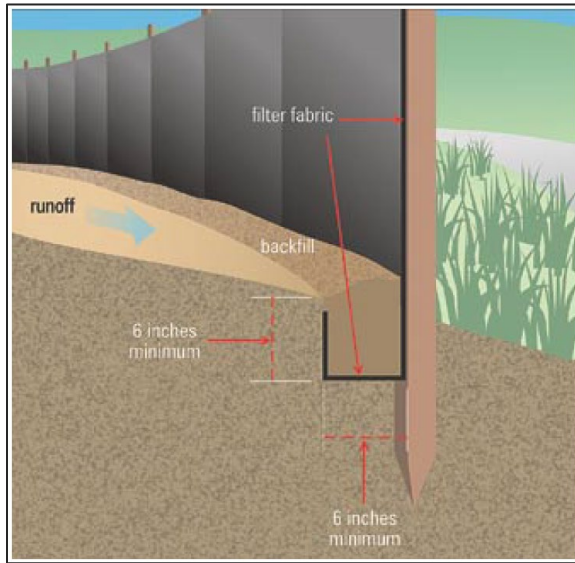
Silt fencing is commonly used to pond, settle, and filter sediment from sheet runoff. On slopes, set back from slope toe to allow for maintenance. Make sure fencing is trenched in properly and stakes are on the downhill side. Inspect frequently to detect and address bypasses, undercutting, and overtopping.

Overview:

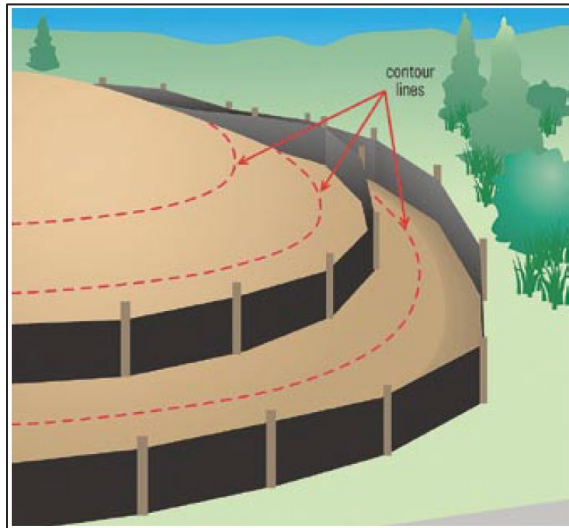
- Place filters on the downhill end of bare soil areas.
- Make sure the fence catches all runoff for a specific area and ponded water cannot flow around the end of the fence.
- Avoid placing near vehicle traffic to avoid equipment and vehicles driving over fence.
- Install multiple sections of silt fence for long slopes and steep slopes. Place every 60 to 110 feet.
- Do not use silt fence in concentrated flow areas, like channels, swales and ditches.
- Make sure the downstream end of the silt fence is installed along the contour to increase the ponding area. (i.e. place fence along the same elevation.)
- Clean accumulated silt from behind fence once sediment has reached 1/3 the height of the fence.
- Inspect all silt fences prior to an anticipated storm event to avoid failure.
- Because a silt fence has a 6-9 month lifespan, make sure routine replacements occur.



INSTALLATION



Install silt fence prior to land disturbing activities. Silt fencing should be installed 6 inches deep, at a minimum. Make sure wooden stakes are on the downstream side of the flow.



Install silt fencing along the contours. Make sure silt fence is spaced up the slope to allow for multiple ponding areas and to interrupt excessively long, denuded areas.

EXAMPLES



This silt fence is still functioning, but in need of cleaning and replacement.



Use wire-reinforced silt fence and steel posts to reinforce sections downstream of large areas.

EXAMPLES



Two sections of silt fence not properly connected. Sections should be overlapped and wrapped together.



Improper trenching of silt fence.



Inadequate maintenance of silt fence.