

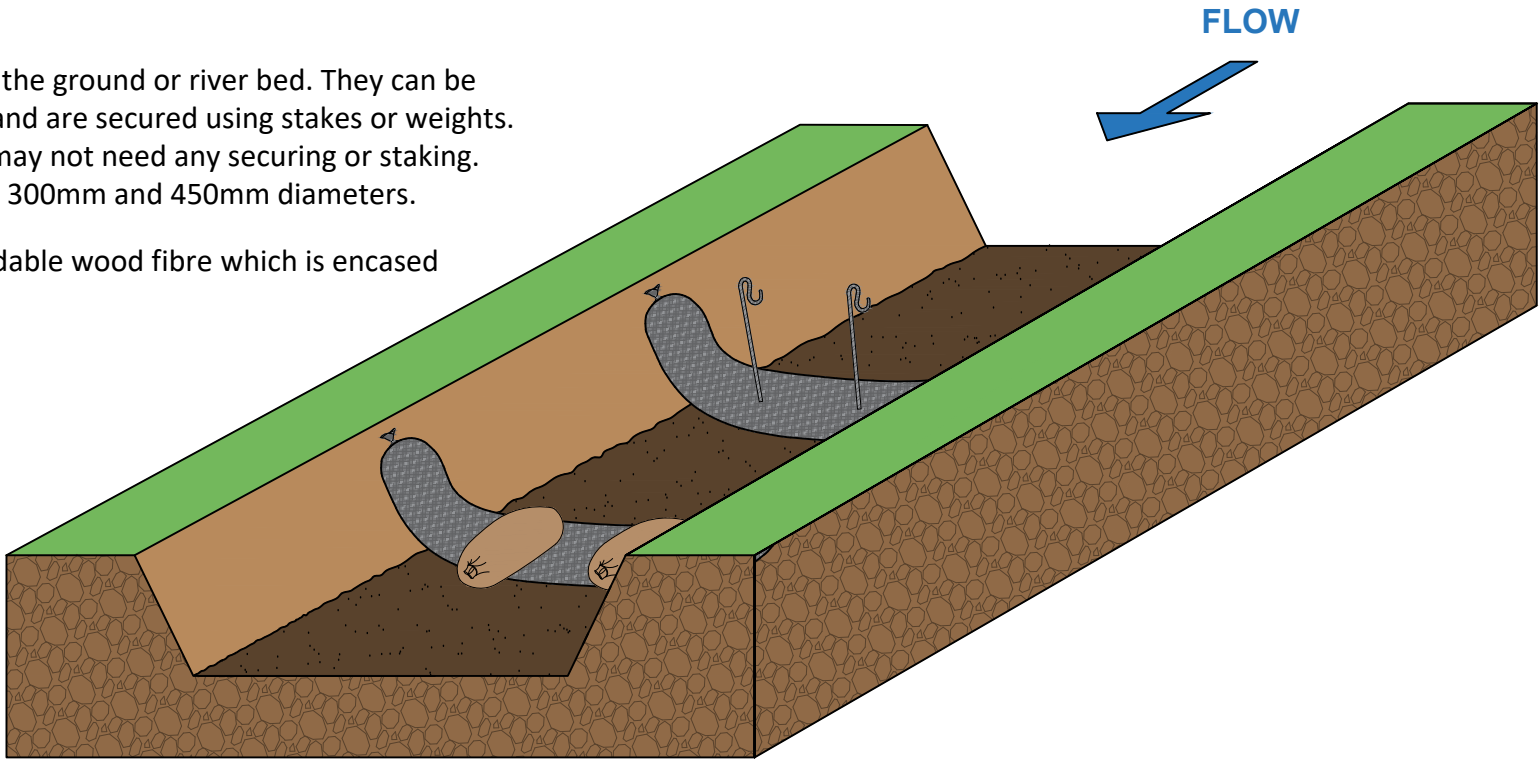
Silt Wattle Deployment Guidance

Designed by Frog Environmental, Silt Wattles are used as check dams in ditches, rivers, swales and gullies to reduce the speed of water and aid natural sediment deposition.

They can also be used to control soil erosion, to protect surface waters or break sheet flow on slopes; their low permeability supports natural ground infiltration and helps to clean dirty water.

Silt Wattles mould to the shape of the ground or river bed. They can be joined end-on-end or pyramided, and are secured using stakes or weights. In low energy environments they may not need any securing or staking. The product is supplied in 200mm, 300mm and 450mm diameters.

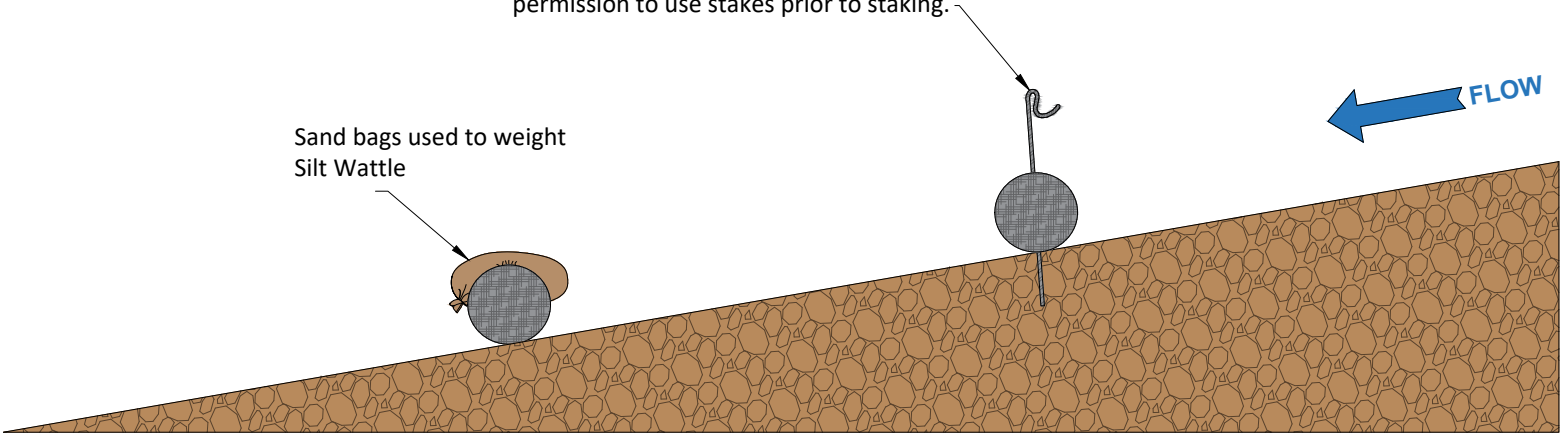
Silt Wattles are made of biodegradable wood fibre which is encased in a durable netting.



Ditches with greater than a 3 degree slope (5.2% gradient) typically require check dams to reduce the velocity of water.

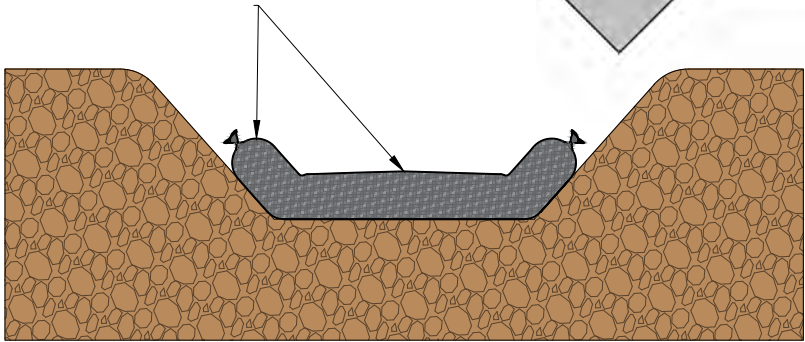
Metal stakes used to hold Silt Wattle in position (soft beds only). Ensure site has permission to use stakes prior to staking.

Sand bags used to weight Silt Wattle

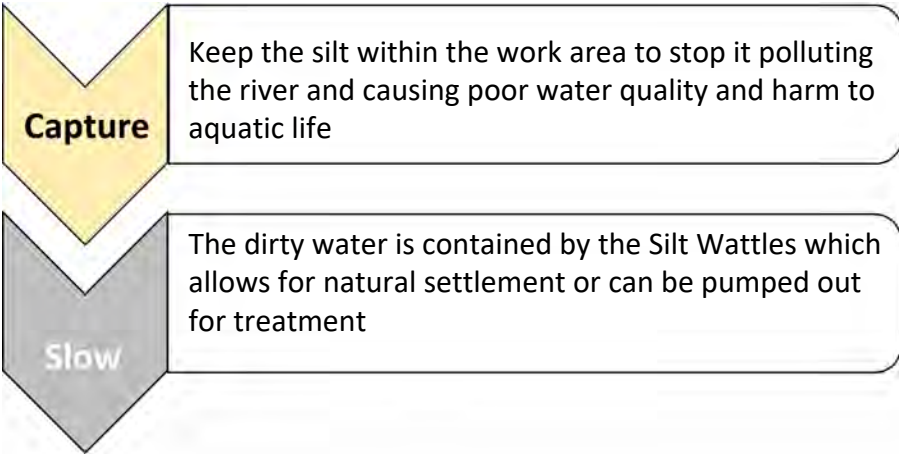


2D Side Elevation

Ensure Silt Wattle are moulded to the profile of the ditch. This will allow water to flow through and over the Silt Wattle rather than flowing underneath or around the sides.



2D Cross Section



Drawing Ref: SM-PD-05v1
Revision: v1
Scale: Drawings not to scale



Drawings are for guidance only, not for construction purposes. Ensure risk has been assessed prior to deployment of products supplied by Frog Environmental. Further advice available by contacting us at www.frogenvironmental.co.uk/contact-us

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