country garden farms

SPECIFICATION SHEET

8 INCH WOOD CHIP SOCK PRODUCT SPECIFICATIONS

MATERIALS

Wood chip filled filter socks shall be dense, 8" diameter tubes of 1/2" aged untreated wood chips bound by mesh socks. Filter socks shall be temporary, sediment control devices that minimize sediment movement in runoff, reduce water velocity, and release water as sheet flow. In conjunction with other erosion control products and techniques, filter socks shall provide slope, channel, swale, and ditch interruption and protection for water inlets and outlets. Wood chip filter socks shall be manufactured and supplied by Country Garden Farms.

INSTALLATION

Wood chip filter socks shall be installed by the Contractor along the contour of slopes and perpendicular to flow in channels, trenches, or swales at intervals required by the site conditions. A slight entrenchment may be required on steeper slopes to ensure intimate ground contact. Remove sediment from the upslope side of the compost sock when accumulation has reached 1/2 of the effective height of sock. Loose filter media may be backfilled on the upslope side of sock to enhance performance. Hardwood stakes 2"x2"x24" (nominal) are suggested. Ends of adjacent socks shall be tightly butted or overlapped so that no opening exists for water to pass through. Socks shall be free of damage or defects when delivered to the shipper. No vehicles shall be driven over filter socks

ADVANTAGES

Wood chip filter socks provide many benefits such as: no trenching required; socks are made from recycled material; filter socks can be spread into existing soil; filter socks are easily designed for a variety of land-based filtration and pollutant removal applications; and soil erosion on hill slopes slows flow velocity. See attached detail sheet.

APPLICATIONS

Wood chip filter socks can be used in a variety of settings such as: perimeter sediment control; check dams to reduce soil erosion; storm drains and curb storm inlet protection; protection of sensitive wildlife habitat, wetlands, and ecosystems; use on paved, compacted, or frozen areas where trenching is not possible or is undesirable.

COMPOSITION

1/2" untreated wood chips are made from cottonwood, birch, spruce or willow trees and are aged 1 year after chipping. Chips are produced at Country Garden Farms in Palmer, Alaska.

PROPERTY (Nominal)	ENGLISH	METRIC
Product dimensions (Diameter x Length +/- 10%)	8 in. x 20 ft.	20 cm x 600 cm
Product weight (+/- 10%)	208 lbs.	94.35 kg
Wattle density (+/- 10%)	29.8 lbs/ft3	477 kg/m3
Fiber composition	1/2" aged, untreated wood chips	
Netting composition Specifications available on request.	Silt Sock 8-inch Heavy Duty Black Fabric. 8" Nominal Diameter. Photodegradable ASTM G-155. Tensile strength 175 PSI. ASTM 6241 & ASTM 5035. Mesh Opening: 1/16-inch Tubular Knit.	
Configuration (4 wood chip wattles per pallet)	Cylindrical with closed ends secured by metal ties	

Alaska GROWN

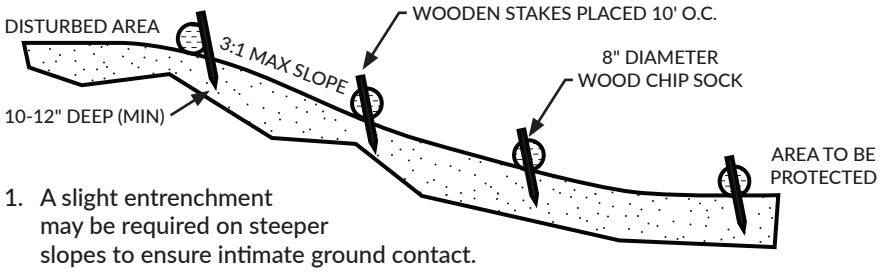
Alaska Product Preference Program ★★★ Class III Company

US Composting Council® Proud Member

Country Garden Farms products are certified Alaska Grown and in the Alaska Product Preference Program for Sod Grass, Hay, Straw, Trees, Compost, and Agricultural Limestone. Our compost is USCC Certified.

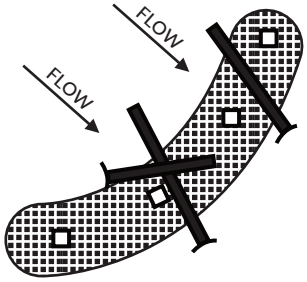
8 INCH WOOD CHIP SOCK INSTALLATION GUIDELINES

SLOPE INTERRUPTION



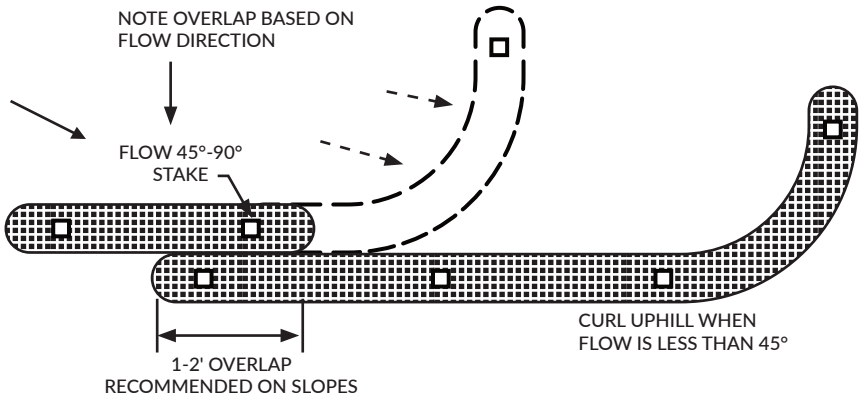
1. A slight entrenchment may be required on steeper slopes to ensure intimate ground contact.
2. Remove sediment from the upslope side of the wood chip sock when accumulation has reached 1/2 of the effective height of sock.
3. Loose filter media may be backfilled on the upslope side of sock to enhance performance.
4. Hardwood stakes 2"x2"x24" (nominal) are suggested.

DITCH CHECK

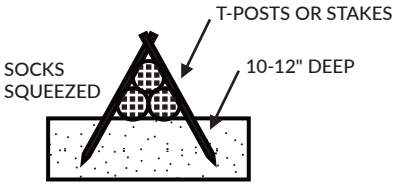


Install wood chip sock perpendicular to flow with ends curled slightly upstream to prevent high water from going around the ends. Slow and spread water to reduce channeling and erosion.

PERIMETER CONTROL & OVERLAPPING

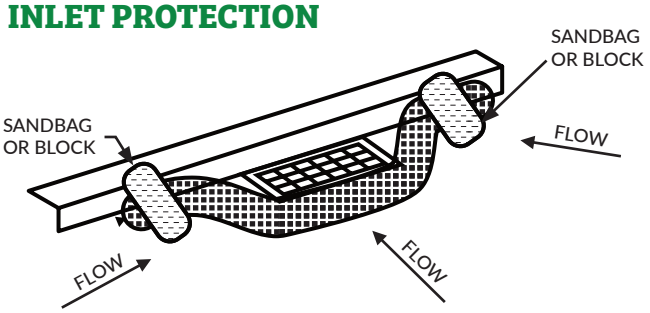


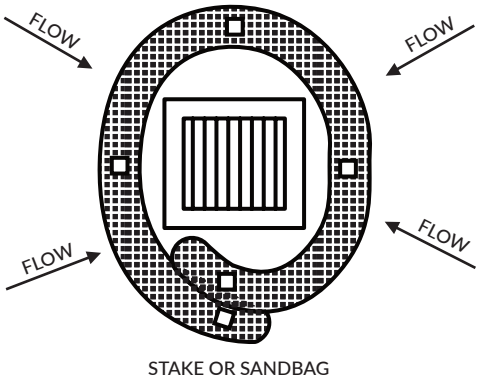
PYRAMID INSTALLATION STAKING

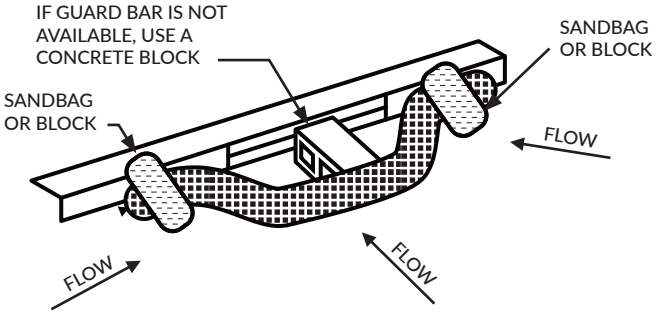


A pyramid of smaller diameter wood chip socks will increase the effective height of the device when larger diameter socks are not readily available or easy to install.

INLET PROTECTION







PLEASE NOTE

1. These guidelines are based upon manufacturer's recommendations. Project specifications may supersede these guidelines.
2. Refer to regulatory authority or project engineer for detailed installation procedures.
3. Wood filler material is properly sized, biodegradable, weed-free, seed-free, and disease-free, and environmentally sound.