



# SedimentSTOP™

## BIODEGRADABLE Filtration System

The SedimentSTOP™ (Patent Pending) shall be a machine-produced 100% biodegradable sediment filtration system.

The SedimentSTOP™ shall be composed of 70% agricultural straw and 30% coconut fibre matrix evenly distributed over the entire area of the bottom netting. The SedimentSTOP™ shall consist of a bottom netting and a 0.61m top netting that covers the matrix material on the “splash apron” of the SedimentSTOP™ system. The netting shall be constructed from 100% biodegradable woven natural organic fiber netting. The netting shall consist of machine directional strands formed from two intertwined yarns with cross directional strands interwoven through the twisted machine strands (commonly referred to as a Leno weave) to form an approximate 1.27 x 2.54 cm mesh. The blanket shall be sewn together on 3.81 cm centers (50 stitches per roll width) with biodegradable thread.

Each SedimentSTOP™ shall yield a structure 15.2 m in length, with an approximate finished diameter of 0.23m. The diameter of the finished structure may be increased to meet individual project specifications by spreading loose straw, pine needles, wood chips, grass cuttings, etc. across the width of the SedimentSTOP™ before rolling edge to edge.

The SedimentSTOP™ shall be manufactured by North American Green, or equivalent. The SedimentSTOP™ shall have the following properties:

### Material Content

Matrix	70% Straw Fiber 0.665 kg/m <sup>2</sup> 30% Coconut Fiber 0.285 kg/m <sup>2</sup>
Netting	Bottom side, Leno woven 100% biodegradable natural organic fiber 4.50 kg/100 m <sup>2</sup> approximate weight Top side, 0.61m strip covering the “splash apron” of the SedimentSTOP™, Leno woven 100% biodegradable natural organic fibre 4.50 kg/100 m <sup>2</sup> (approximate weight)
Thread	Biodegradable

### Physical Specifications

Width	2.03 m
Length	15.24 m
Weight	29.50 kg ± 10%
Stitch Spacing	3.81 cm
Finished Structure Diameter - Approximately	(0.23 m)
Finished Structure Length:	15.20m