

## SOIL COVERS for Culvert Outfalls: NON-COHESIVE SOILS

Slope		Flatter than 10:1					Steeper than 10:1 / Max 3:1				
		Prefer > 5 times diameter "D" (minimum 3 times diameter "D")					Prefer > 5 times diameter "D" (minimum 3 times diameter "D")				
Minimum channel width											
Pipe Outfall Size		≤ 24 in.	≤ 36 in.	≤ 60 in.	≤ 84 in.	> 84 in.	≤ 24 in.	≤ 36 in.	≤ 60 in.	≤ 84 in.	> 84 in.
Cubic Feet / Second		< 8 cfs	< 30 cfs	< 70 cfs	< 100 cfs	< 200 cfs	< 8 cfs	< 30 cfs	< 70 cfs	< 100 cfs	< 200 cfs
A Scour Area	SOIL COVERS UNDER SCOURSTOP										
	Sod alone	yes	*	*	*	*	*	*	*	*	*
	Sod / TRM Combination	< 5% slope	< 5% slope	*	*	*	*	*	*	*	*
	Sod / TRM / Geotextile <sup>1</sup>	yes	yes	yes	yes	*	yes	yes	yes	*	*
	TRM / Geotextile Combination	yes	yes	< 5% slope	*	*	yes	yes	*	*	
B Discharge Area	SOIL COVERS DOWNSTREAM										
	Sod alone	yes	*	*	*	*	*	*	*	*	*
	Sod / TRM Combination	yes	yes	> 5 D	*	*	*	*	*	*	*
	Sod / TRM / Geotextile <sup>1</sup>	yes	yes	yes	yes	yes	yes	> 5 D	*	*	*
	TRM / Geotextile Combination	yes	yes	yes	yes	> 5 D	yes	> 5 D	*	*	*



\* Requires more ScourStop Mat protection. For design specifications complete the Designers Checklist and email it to [info@scourstop.com](mailto:info@scourstop.com) or call toll-free, 877-997-2687.

<sup>1</sup> 3oz. Geotextile under the sod and against the soil.

**NOTE:**

- These indications are for typical conditions. For other applications please send site specifications to the distributor or manufacturer for design help.
- No "trickle" flows; must use sub-surface drain.