

SOIL COVERS for Culvert Outfalls: COHESIVE SOILS

Slope		Flatter than 10:1					Steeper than 10:1 / Max 3:1				
Minimum channel width		Prefer > 5 times diameter "D" (minimum 3 times diameter "D")					Prefer > 5 times diameter "D" (minimum 3 times diameter "D")				
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
SOIL COVERS UNDER SCOURSTOP											
A Scour Area	Sod alone	yes	yes	yes	*	*	yes	yes	yes	*	*
	Sod / TRM combination	yes	yes	yes	yes	yes	yes	yes	yes	yes	> 5 D
	Turf Reinforcement Mats-TRMs	*	*	*	*	*	*	*	*	*	*
	Composite TRMs	yes	yes	> 5 D	> 5 D	*	> 5 D	*	*	*	*
	High-performance TRMs (HP-TRMs)	> 5 D	> 5 D	*	*	*	*	*	*	*	*
SOIL COVERS DOWNSTREAM											
B Discharge Area	Sod alone	yes	yes	yes	> 5 D	> 5 D	yes	yes	yes	no	*
	Sod / TRM combination	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
	Turf Reinforcement Mats-TRMs	< 5% slope	< 5% slope	*	*	*	*	*	*	*	*
	Composite TRMs	yes	yes	yes	*	*	*	*	*	*	*
	High-performance TRMs (HP-TRMs)	< 5% slope	< 5% slope	< 5% slope	< 5% slope	no	*	*	*	*	*
HP-TRM											
		yes	yes	yes	yes	yes	HP-TRM	HP-TRM	HP-TRM	*	*



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

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.