



# StormKeeper™ Sediment Strip

## Product Note

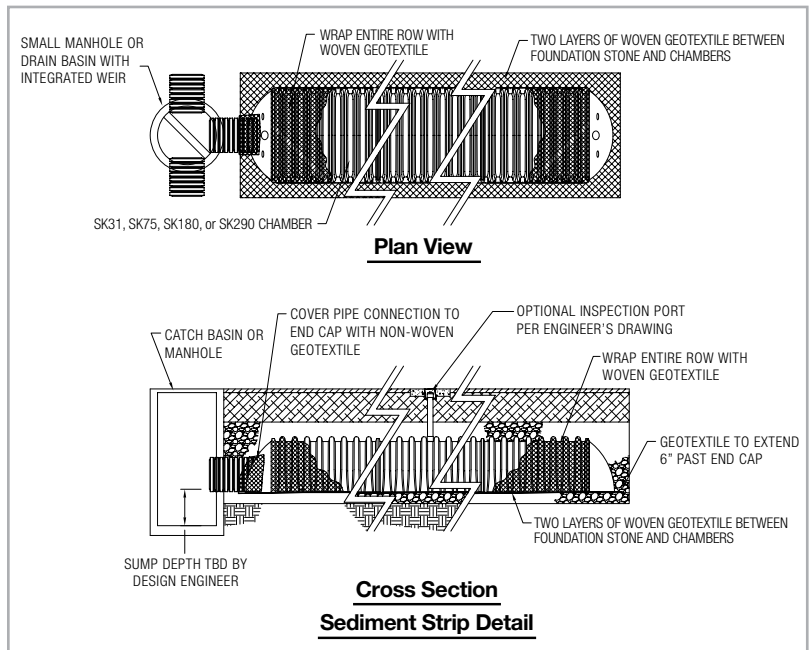
The StormKeeper™ Sediment Strip is an NJCAT verified water quality treatment device that can easily be incorporated into any system layout by providing three additional features to a designated row of chambers:

**Flow Diversion** - The initial storm water flows from a rain event (i.e. the first flush) are routed directly to the Sediment Strip via a small manhole or drain basin with an integrated diversion weir, allowing storm water to first fill the designated row before overtopping the weir and spilling over into the remaining rows.

**Sediment Confinement** - The above-mentioned weir places the Sediment Strip in a sump condition where solids are captured. Confining sediment in the designated row is achieved by installing the Sediment Strip chambers atop a double-layer of woven geotextile.

**Maintenance Access** - In order to sustain the water quality benefits the Sediment Strip must be accessible for cleaning operations. The diversion structure provides suitable access for water-jetting equipment to propel into the designated row and pull back material into a small sump where it can be vacuumed out.

*A Manufactured Treatment Device  
84% TSS Removal by Filtration  
NJDEP Laboratory Protocol Assessment  
NJCAT Technology Verification*



**Table 1 identifies the results of all verified claims.**

Summary of Verified Claims <sup>1</sup>				
Treatment Rate (gpm/ft <sup>2</sup> )	Underlying Geotextile Layers	NJDEP Test Sediment	Mean Particle Concentration (mg/L)	TSS Removal Efficiency
4.0	2	1-1000μ	200	84%

<sup>1</sup>Verification testing of the Lane Enterprises SK75 StormKeeper™ Chamber Sediment Strip in accordance with the NJDEP Laboratory protocol to assess total suspended solids removal by a filtration manufactured treatment device, 2013 (by Alden Research Laboratory, their Report No. 1162LESSCSVT, dated October 2016).

*NOTE: NJCAT verification of the claims were achieved by wrapping the sediment strip with a woven geotextile.*

**Table 2 shows the performance properties per chamber.**

StormKeeper™ Sediment Strip			
Chamber Model	Chamber Storage	Chamber Footprint	Treatment Rate
SK31	14.9 cf	20.10 sf	0.18 cfs
SK75	46.4 cf	27.98 sf	0.25 cfs
SK180	113.6 cf	44.82 sf	0.40 cfs
SK290	109.7 cf	33.7 sf	0.30 cfs