

The stream lined with Terrafix blocks



Kanonberg Estate

Formerly a farm with a tranquil stream running through it, was finally given permission to develop - subject to stringent environmental by-laws and other constraints - residential units and surrounding grounds.

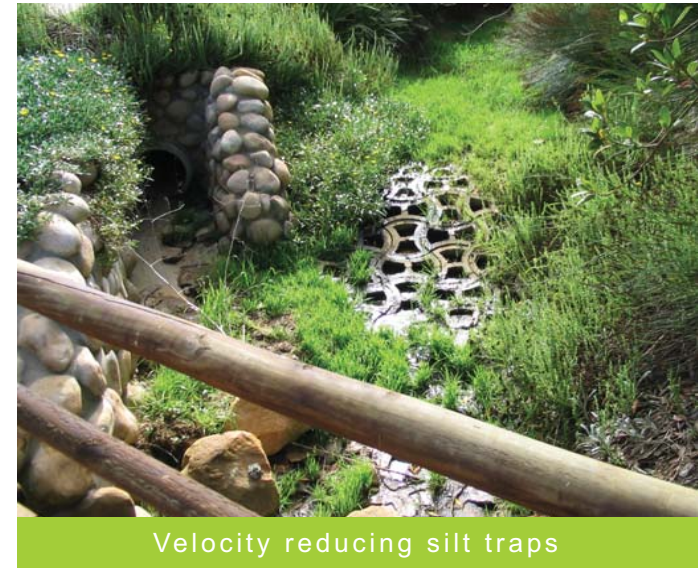
Considerably increased storm water run-off from 148 new houses, paved yards, driveways and roads had to be catered for.

Initially a large earth dam was built, fairly high up in the system to function as reservoir, storm water detention dam and focal point in the meticulously planned, environmentally sound landscaping network throughout the estate. The dam spillways as well as all stretches of the stream that would be subject to soil erosion were lined with Terrafix 100 blocks.

Velocity reducing silt traps, combined with strategically positioned large boulders, were used with good effect. All culverts and drop inlets were constructed of natural stone masonry, coupled with Terraforce L11 wing-walls and a gabion weir.

Imaginative choice of indigenous planting turned this stream into a tranquil oasis for residents and wildlife alike. A recent environmental audit has confirmed the unqualified success of this undertaking.

Indigenous plant cover



Velocity reducing silt traps