Problem
The outlet of a storm water pipe that crosses under the road and discharges onto the slope of the bank that supports the road was not well protected resulting in the bank washing away after a storm in March 2008. A twenty metre wide, six metre deep portion of the bank eroded and created a cavity that undermined the road almost to its centre line. Traffic had to be restricted until the bank could be reinstated.

Solution
A 6m high mass gravity or reinforced concrete wall was considered to intrusive into the indigenous bush of the bank which forms part of the surrounding nature reserve. Green Terramesh® was able to provide the solution by being both structurally capable of reinstating the bank to carry heavy vehicle loads, provide global stability to the reinstated bank and blend into the surroundings. The base of the wall was constructed with a combination of Reno Mattresses™ and Terramesh® to provide both a foundation and to deal with the hydraulic requirements presented by the storm water pipe outlet.
Design Features
The flexibility of the system enabled the wall to take the shape required to reinstate the bank as well as provide load carrying capacity, slope stability and erosion control.

Benefits
Combination of using Terramesh® & Green Terramesh® increased the area vegetation in softening an engineered solution in a Residential Environment.

Typical cross section

The finished wall showing the bank completely reinstated.