KAYTECH
ENGINEERED FABRICS

Drainage
Stormwater Attenuation
Infiltrator™ Chamber

Case Study

Project: 75 Link Road, Stormwater Attenuation
Client: Private Owner
Consultant: Nick Emery and Associates
Contractor: KwaZulu Steel

Date: 01-03-2007
Product: **Infiltrator™**
Quantity: 20 units

Infiltrator™ units placed in excavation

Ethekwini Municipality legislation stipulates that any new building works are required to attenuate 1 m^3 of stormwater per 40 m^2 of roofed and paved areas.

The capacity of the Infiltrator™ Chamber unit is 219 litres per meter. As there was a limited working area to work in on this project, the storage capacity of the system was increased in a cost effective way.

To increase the capacity per meter length of Infiltrator™ chamber, the chambers were placed on two rows of cement breeze blocks, which increased the capacity to 320 litres per meter. NB: This method of increasing capacity is only applicable to stormwater applications.

The blocks were wrapped in A2 **bidim®** to prevent the intrusion of soil into the voided area, and a stone splash pad was placed at the inlet to protect the base from erosion.

Cement breeze block construction

Infiltrator™ end plate