



## EROSION PROTECTION BOOTH RD CANAL

### CASE STUDY

**PROJECT:** Cato Manor – Durban, KwaZulu Natal  
**CLIENT:** City of Durban  
**CONSULTANT:** City Engineers Department  
**CONTRACTOR:** Erbacon Construction

**DATE:** Oct 97–Mar 99  
**QUANTITY:** 4 500 m<sup>2</sup>  
**PRODUCT:** **Kaymat U24**

The Booth Road Canalisation contract forms part of the Cato Manor upgrading program and is intended to prevent flooding of and subsequent damage to the proposed development in the area. Approximately 4 500m<sup>2</sup> of **Kaymat U24** was used below the Gabions and Reno mattresses.

It was decided to line the canal with Gabions because of their ease of construction and low environmental impact. **Kaymat** (continuous filament non-woven needle punched geotextile) is ideal for dynamic flow applications where high throughflow and good fines retention is of critical importance.



**Kaymat** below the Reno mattresses prevents scour and does not allow the build up of excessive pore water pressure.

High strength and conformability makes **Kaymat** suitable for lining of rock fill gabions over uneven ground.

