

## CASE STUDY

**Reinforcement | Canals & Waterways | Green Park Ext 1, Fochville**

Jul 2014

Client Marafong City Municipality

Contractor Ultimate Dynamics

Product **Multi-Cell**<sup>®</sup> | 2 500m<sup>2</sup>

Consultant DWP Consulting Engineers

Rep Werner du Plessis

### Problem

In this small farming and mining town in Gauteng, the Merafong City Municipality had approved a roads and storm water construction project in the informal settlement.

In order to cope with an increase in surface water run-off from the surrounding area, an existing trapezoidal canal running parallel to the township required trimming.

### Solution

To stabilise the slopes of the canal, **Multi-Cell**<sup>®</sup> was specified. Along both crests parallel to the canal, trenches were excavated into which **Multi-Cell**<sup>®</sup> was anchored. Once installed, the cells were filled with pre-mix concrete.

### Benefits

The product saved time and money for the project, and fulfilled the municipality's condition that local community labour be involved in the upgrade.



*anchor trenches dug at crests of the canal*



***Multi-Cell**<sup>®</sup> was laid along the canal and into the anchor trenches*



*Reinforcing **Multi-Cell**<sup>®</sup> was filled with concrete*