

# TERRANeWS 7/2005

## URBAN UP-GRADING IN SWAZILAND

The suburbs around Mbabane, on steeply sloping and easily erodable topography in a high rainfall area, pose some unique challenges to the local town planners. To prevent further serious damage to the environment, remedial measures were carried out using manual labour as much as possible. Segmented concrete retaining and hard lawn blocks, supplied by Milito Precast of Manzini, were found to be ideal for providing the following.

- Storm water drainage channels, filled with soil or soilcrete, depending on the anticipated velocity or volume of water flow. Terracrete.
- Cascades, stilling basins and small diversion weirs, filled with soil or concrete as required. Terraforce L11.
- Gravity retaining walls as and when required for road widening or improved storm water drainage. Terraforce L11.
- Drift crossings and weirs across small streams. Terraforce L11.
- Hard surfaces at various strategic locations for parking refuse collection bins. Terracrete.
- Construction is on-going and providing cost-effective, environmentally sound solutions, coupled with the job opportunities that arise.

Client: Ministry of Urban Development.  
Engineer: B.K.S.  
Main Contractor: Stefanutti & Bressan.  
Sub Contractor: Milito Precast.

