

## CASE STUDY

Drainage | Roads subsoil | N4 Schagen, Nelspruit

Jun 2013

Client Trans African Concessions

Contractor WBHO

Consultant SNA Civil & Structural Engineers

Product **Megaflo™** | 5 000m

Rep Riaan Rademeyer

### Problem

Heavy traffic on this national road necessitated the widening of the single carriageway to a four-lane dual carriageway. New side subsoil drains were required.

### Solution

Narrow trenches were excavated and **Megaflo™ 150**, wrapped in **bidim®**, was placed vertically in the trenches. Aggregate was filled in on either side of the panel drain and an in situ soil used as backfill.

### Benefits

The cost-saving of not using aggregate and the time-saving of easy installation, meant the busy road was operational in a relatively short period of time.



*Megaflo™ 150 panel drain covered in a bidim® sock is laid into the narrow trench*



*Aggregate is filled in around the Megaflo™ panel drain*



*The drain is then backfilled with in suit soil*