



## Sportsfield Drainage Drainage Moses Mabhida Stadium, Kwazulu-Natal

### Case Study

<b>Project:</b>	Soccer Field Drainage	<b>Date:</b>	Aug 2009
<b>Client:</b>	City of Durban	<b>Product:</b>	<b>Megaflo<sup>®</sup> 300,</b> <b>bidim A5<sup>®</sup></b>
<b>Consultant:</b>	Illiso Consulting Engineers	<b>Quantity:</b>	2 800 m / 18 000 m <sup>2</sup>
<b>Contractor:</b>	Group 5, Pandev, WBHO		

The Moses Mabhida Stadium is Durban's flagship soccer stadium which is being built in readiness for the 2010 World Cup which is being held in South Africa. This stadium will host a total of eight matches including a quarter final and semi final match.

Kaytech Engineered Fabrics were responsible for the supply of the drainage system for this project. The design consisted of using the following products, bidim geotextiles and the Megaflo flat panel drainage system. The installation was as follows:

The base layer was well compacted and a bidim A5 was used as a separation layer. Finely graded sand was placed above the geotextile and the Megaflo 300 flat panel drainage system was then laid above this sand layer and covered with a finely crushed stone which acts as the drainage medium.



The Megaflo 300 flat panel drainage system was chosen due to its high flow capacity compared to normal conventional subsoil pipe systems.

#### Overview of the pitch during construction

