



INFILTRATOR CHAMBER UMNINI SOAK AWAYS

CASE STUDY

PROJECT:	Umnini Latrine Soak Aways, Umgababa, KZN	DATE:	March 2004
CLIENT:	Ethekwini Water and Sanitation	QUANTITY:	1200 units
CONSULTANT:	Ethekwini Water and Sanitation	PRODUCT:	Infiltrator Chamber
CONTRACTOR:	Various		

The sanitation for some areas of Umgababa, a semi-rural coastal region south of Durban, is serviced by a digester tank system. Residents complained about odours and wet effluent surface patches. This led to an investigation by the Ethekwini Water and Sanitation Service Unit, which revealed an absence of soak aways.

After Kaytech made recommendations to the Ethekwini Water and Sanitation Unit, 140-litre customised chamber units were selected, based on calculations that included results from on-site percolation tests.



Each unit was supplied with separate pre-manufactured bidim end-covers, fitted with drawstrings for easy on-site assembly. The lightweight units and end-covers were supplied separately to maximise transport, handling and storage of the units.



Benefits include: maximum infiltrative soil interface area, quick and easy installation, guaranteed 140 litre volume capacity and gives the user an extended soak-away life span.