



# PROJECT REPORT

**HERMANUS NR. CAPE TOWN - SOUTH AFRICA**

<b>EQUIPMENT:</b>	RIC 9000
<b>PROJECT:</b>	HERMANUS RESORT DEVELOPMENT
<b>LOCATION:</b>	HERMANUS NR. CAPE TOWN - SOUTH AFRICA
<b>PURPOSE:</b>	IMPROVE BEARING CAPACITY OF GROUND FOR RESIDENTIAL DEVELOPMENT

RIC Africa undertook a job in the Hermanus coastal resort close to Cape Town.

A residential area and golf course were needing treatment and RIC was the obvious choice for the task. On a relatively small site, the RIC is able to be mobilised in minutes, without the aid of any secondary crane so becomes a very cost-effective method.

The RIC 9000 unit on a CAT 345B was used to treat a fill of various sands a calcrete. Verification was achieved with DPSH and plate bearing tests.



BSP RIC 9000 mounted on CAT 345B



Site after RIC treatment

Specifications	
<b>Area:</b>	14,500 sq.m
<b>Contract Period:</b>	10 days
<b>Depth on fill:</b>	2 to 3m
<b>Water Table:</b>	1.5m
<b>Compaction method:</b>	60 blows per point with final set limited to 4mm per blow.
<b>Specification Required:</b>	150 kPa bearing 20mm max settlement
<b>Production rate:</b>	1,450 sq.m / day
<b>Control Tests DPSH:</b>	N values improved from 3 (pre) to 15 (post)



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