

BLUFF LANDSLIP REPAIR
BLUFF, DURBAN, KZN , SOUTH AFRICA**Reinforced Soil Walls and Slope Reinforcement****Problem**

Extensive erosion occurred due to heavy rainfall as well as the overflow of the existing storm water pipes. This caused massive head cut erosion at the lowest point of the property.

An additional complication was that the erosion was dangerously close to undercutting the foundations of one of the buildings. A further problem was the undermining of the boundary fence.

Solution

A 7m high, 20m wide reinforced soil structure was constructed.

It comprised of a combination of Terramesh™ and Gabion units.

In order to improve the stability of the wall, the front face was stepped and various sized units were utilized.

To accommodate the upgrading of the storm water and drainage system, the structure included culvert protection and a Reno mattress apron at the base.

Client: DEPARTMENT OF PUBLIC WORKS

Designer / Consultant: MOORE SPENCE JONES

Contractor: ERBACON CONSTRUCTION

Products used (Qty.)

- Terramesh

Unknown

Date of construction: 09/2000 - 10/2000



After construction



After construction2



After construction3



During construction



Typical Section