

## WAITANGI PARK GRASSPROTECTA TRIAL WELLINGTON CITY

### GRASS REINFORCEMENT FOR PARKS & RESERVES

#### Product: GrassProtecta

#### Problem

Waitangi Park has been transformed over the last few years and now caters to the interests and needs of a diverse busy city community. This refurbished park is well utilised, especially the large grassy area so much so that some of the areas are now showing signs of wear and tear with grass die back.

#### Solution

GrassProtecta was trialed as a solution to the damage to grass in high traffic areas. GrassProtecta is a heavy duty thick polyethylene mesh for reinforcing grassed surfaces prone to wear, rutting and smearing. The area was lightly excavated followed by the placement and levelling with a thin cover of sand. GrassProtecta was cut to shape and laid onto the newly seeded surface. The preparation of the surface and laying of GrassProtecta took 3 men one full day. GrassProtecta can also be installed onto newly landscaped areas and seeded as required.

Two types of fixing methods were considered for this trial, 175mm Biopegs and 170mm Heavy Duty "U" shaped steel pins. GrassProtecta was initially installed by pinning to the existing surface with Biopegs. Unfortunately, the unseasonably dry weather experienced in the North Island meant the ground was very hard and not well suited for Biopegs. The decision was then made to change to the steel pins.

#### Outcome:

The GrassProtecta trial is still a work in progress and will be monitored over the event season. Initial results show that the ease of installation and the ability of grass to fully grow through GrassProtecta can provide for a cost effective natural grassed appearance.

The Manufacturer and Maccaferri NZ Ltd, strongly advise that areas with newly installed GrassProtecta be roped off and left unused until the grass has grown through the apertures.

**Please note: All plastic products can become slippery in damp or wet conditions if used before the grass has established.**

Client name:

WELLINGTON CITY COUNCIL

Contractors:

WELLINGTON CITY COUNCIL - PARKS & RESERVES

Products used:

GRASSPROTECTA HEAVY DUTY

Construction date:

COMPLETED MARCH 2010

#### Maccaferri NZ Ltd.

14 Goodman Place, P.O. BOX 12536, Penrose, Auckland, New Zealand  
Tel. (+64) 9 6346495 - Fax (+64) 9 6346492, FREEPHONE 0800 60 60 20  
E-mail: sales@maccaferri.co.nz - Web site: www.maccaferri.co.nz  
Quality System AS/NZS ISO 9001:2000



Grass Protecta laid over prepared surface



Pinning detail with Biopegs



Completed surface after 4 weeks

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