



MARLBOROUGH PARK SKATEBOARD BOWL NORTH SHORE CITY

CASE STUDY



MARLBOROUGH PARK SKATEBOARD BOWL NORTH SHORE CITY

In recent years, Auckland's North Shore has blossomed into a vibrant and growing community, keeping the North Shore City Council busy meeting the recreation needs of its residents.

The Marlborough Park Skateboard Bowl in Glenfield, which opened on May 11, 2003, provides local skateboard enthusiasts with a 'new-and-improved' facility. It features a "snake run", "half-pipe", "corner box" and "fun box".

The new 900 square metre bowl replaced New Zealand's very first skateboard bowl, which was built in the mid seventies and, after thirty years of constant wear and tear, had become unsafe due to cracks in the concrete surface. To avoid this recurring in the new project, design engineer Ian Hendy specified the use of Welded Wire Reinforcing (WWR) mesh to control random cracking in the concrete components.

Ian Hendy recognises the importance of a crack-free surface and quality materials on any recreational structure, especially where children are involved. "Safety is paramount," he says, "there are usually more than five kids using the bowl at any one time during the day."

The Marlborough Park Skateboard Bowl required 120 sheets of 661 WWR mesh, which was supplied by Anchor Wire (a member of the WWRMDA). This mesh, with 7.5mm diameter wire and 300mm construction lap, gives ultimate efficiency while retaining the desired 150mm (6") spacing.

WWR is available in standard sheet sizes with varying steel area ranging from 84mm²/m (WWR 668) through to 295 mm²/m (WWR 661) in regular steps. It is also available up to a steel area of 1000 mm²/m in specific designs by agreement with individual producers.

All WWR produced by Alliance members complies with the relevant standards applicable in New Zealand, thus ensuring quality and longevity.

**Structural and
Design Engineers:**
Eager Design

Contractor:
Dave Madden

**Project
Management:**
Quinton Dace
North Shore City Council



Contact:

Coordinator WWRMDA
PO Box 22 201, Otahuhu, Auckland
Telephone: 09 270 4381
Facsimile: 09 276 1947

THE ALLIANCE

The Welded Wire Reinforcing Market Development Alliance (WWRMDA) has been formed to promote the use of welded wire reinforcing in New Zealand. Its members include the nation's leading manufacturers.

The Alliance's objectives are to:

- Increase the use of welded wire reinforcing in concrete structures
- Provide design engineers with design data
- Produce joint advertising campaigns
- Feed relevant information to members
- Liaise with Standards New Zealand
- Commission research and development projects of common interest

Alliance Members:

ANCHOR WIRE LTD
0508 - ANCHOR
FLETCHER REINFORCING
09 270 4247
HURRICANE WIRE PRODUCTS LTD
0800 - 800 WIRE
MESHMAKERS LTD
06 - 843 3533
NZ WELDED MESH LTD
09 - 270 2080
SOUTHERN MESH SUPPLIES LTD
03 - 338 0778
WIREPLUS LTD
09 - 274 5535