



# MARLBOROUGH PARK SKATEBOARD BOWL NORTH SHORE CITY

CASE STUDY



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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 84mm<sup>2</sup>/m (WWR 668) through to 295 mm<sup>2</sup>/m (WWR 661) in regular steps. It is also available up to a steel area of 1000 mm<sup>2</sup>/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:**

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