



Parakiore Recreation and Sport Centre

Progress Update

August 2022



It's been more than 20 years since a competition dive tower was constructed in New Zealand, so anyone travelling along Moorhouse Ave is witnessing a unique piece of construction.

Recently the supports for the 5m and 7.5m dive platforms were added to the tower, as you can see in [this video](#). Each precast panel weighs 12 tonnes, which is about the same as the anchor on a cruise ship.

Obviously a significant focus in the design and construction is achieving the right height for each platform. However, the FINA Facilities Rules also require the tower to be extremely rigid so as the vibrations from people diving or climbing the tower don't disrupt other competitors.

Spectator sightlines from the 1000 seat grandstand have also heavily influenced the tower's shape. Lighting positions and levels also have to be set in such a way that they do not impede a diver's performance during an event.

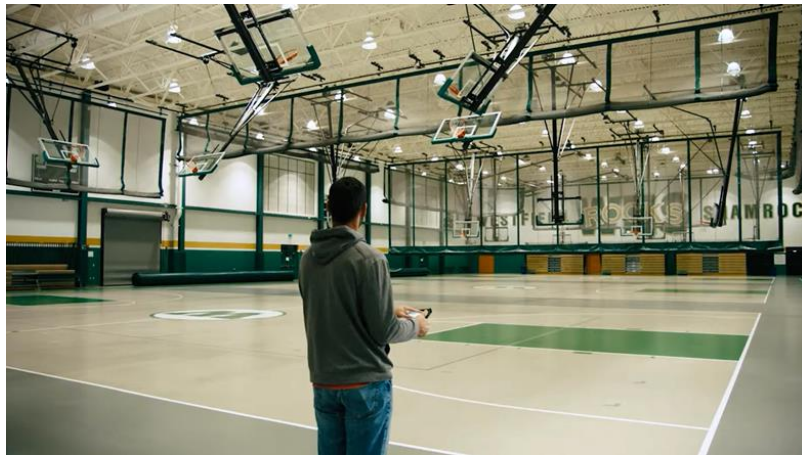
The tapering nature of the central tower means at the top the crew will only have a gap of about 600mm to tie the reinforcing and pour in the concrete, so it's a challenging part of the build.



Over in the community courts, the first of the huge dividing curtains has been installed. They break up the six basketball/futsal/netball courts and will prevent balls flying past the hoops and goals and disrupting the neighbouring game.

At almost 20m wide and 10m high, each curtain is about the same size as a singles tennis court. Like the hoops, the curtains can be dropped all at once or individually with the touch of a button on a wireless tablet. This will be only the second system of this kind to be installed in New Zealand and significantly streamline the setup process for each sport that will be played here.

Next to go up will be the LED scoreboards, which will arrive later this year. The installation of the sprung timber floor is also on the horizon with the community courts building nearing weather tightness.



Every so often we're asked if the building is sinking, so we wanted to reassure you that you'll only get wet if you decide to jump in a pool.

The challenges of building on this site with its high water table were well known before construction even began. However, the site's location in the central city, between major arterial routes and bike lanes, near one of the central city's largest bus stops, the Health Precinct and Hagley Park make it the ideal location.

A range of ground improvement and construction techniques, such as dewatering, have been used throughout the build. There has been a small amount of localised subsidence around one of the dewatering wells which will be remediated with jet grouting, a reasonably common technique in post-quake Christchurch.



Thank you for your continued interest in the Parakiore Recreation and Sport Centre. Please get in touch if you have any questions.

We look forward to updating you again in October.

If you are not the original recipient of this update and would like to subscribe please email info@otakaroltd.co.nz

For more information and updates on the Parakiore Recreation and Sport Centre and other Crown-led Anchor Projects in Central Christchurch please visit www.otakaroltd.co.nz or follow us on



Otakaro Limited

info@otakaroltd.co.nz

03 357 6300

Level 8, Anthony Harper Tower, 62 Worcester Boulevard

Christchurch, 8013 - New Zealand

PO Box 73, Christchurch, 8140 - New Zealand



Otakaro Limited

[Preferences](#) | [Unsubscribe](#)