







# GUNNEDAH MEMORIAL POOL RENEWAL PROJECT NEWSLETTER

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## THE POOL HAS WALLS

Construction of the new 8-lane 50 metres pool is on schedule with the walls of the pool recently completed.

The deep end high wall has been finished with the large bond beam recently poured. This beam provides stability to the 3.9 metre high wall. Similarly, the concrete beam to the shallow end has also been installed. Ultimately, the pool starting blocks will be located over these beams.

The wash gutters to the eastern half of the pool have been installed and work is currently progressing on the installation of the wash gutters to the shallow end. The new pool will have a 'wet deck' finish, with the water level of the pool at the same level of the surrounding concourse. The remaining wash gutters

and the access ramp are expected to be completed by early June.

Following completion of these elements, the 50 metres pool will be filled for seven days to test for leaks. It will then be drained, allowed to dry before tiling commences.



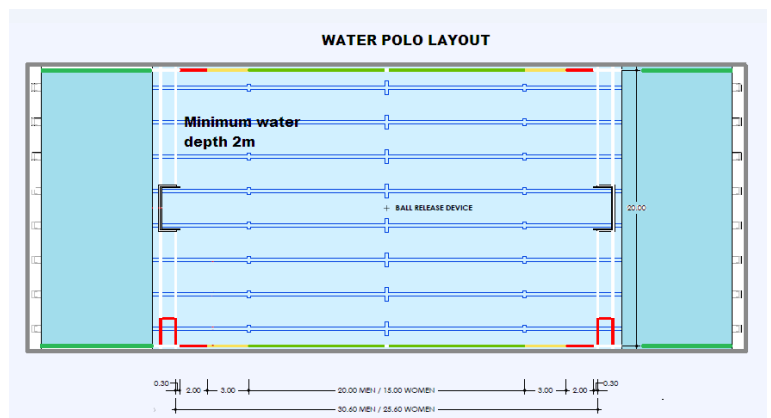
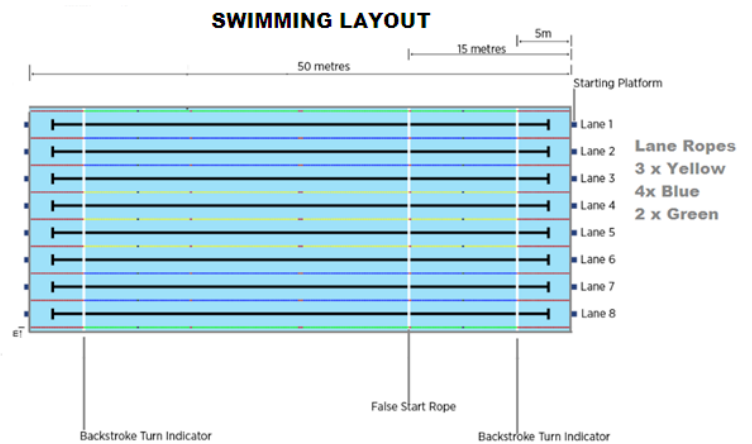
# WHO WILL COMPETE IN LANE 4?

The new 50 metres pool will satisfy FINA level 2 standards. All lane widths and water depths meet the requisite FINA requirements. The eight lane pool will feature new lane ropes that comply with FINA design standards together with associated equipment as shown in the diagrams opposite. New starting blocks will be installed at the deep end.

Anchors will also be installed to permit water polo to be played in the pool. The new pool depths will ensure a minimum water depth of two metres. Hopefully, water polo will make a return to Gunnedah in the summers ahead.

A one metre diving board has also been included in the design to permit competitive diving and also for those that just want to make a “splash”. With ramped access meeting accessibility standards, a shallow end depth of 1.35 metres and a shelf at that depth around the entire perimeter of the pool, casual bathers will be able to enjoy the tranquillity of the pool with ease.

The new 50 metre pool will offer something for everyone – from the competitive to those that are just seeking a relaxing dip.

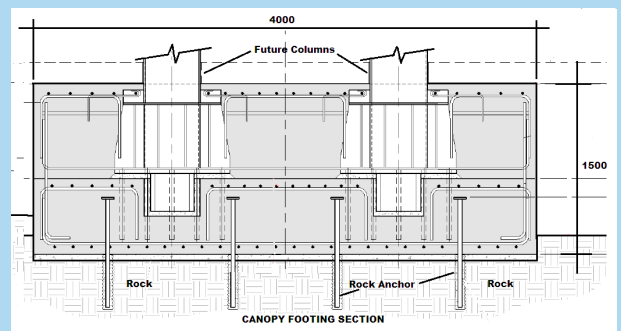


## BUILD ON THE ROCK

The Memorial Pool Complex is located on a rock shelf that inclines to the south with only one metre of soil cover over much of the area. When the original pool was built in the 1950s more than 3000 cubic yards of rock had to be blasted and excavated from Anzac Hill.

Much of the current excavation has required considerable rock removal and consequently the extensive use of a 30 tonne jack hammer. Where possible the rock has been crushed to smaller particles and reused on the site as back fill, particularly in refilling the void for the future 25 metres pool.

Whilst the rocky site has its challenges, it also has its benefits. The two footings located under the Plant Room for the future canopies over Kids Wet Play Area and future heated pool are enormous structures measuring 4m long x 2m wide x 1.5m deep and containing eight 50mm rock anchors, each of which extend five metres and are chemically anchored into the rock.



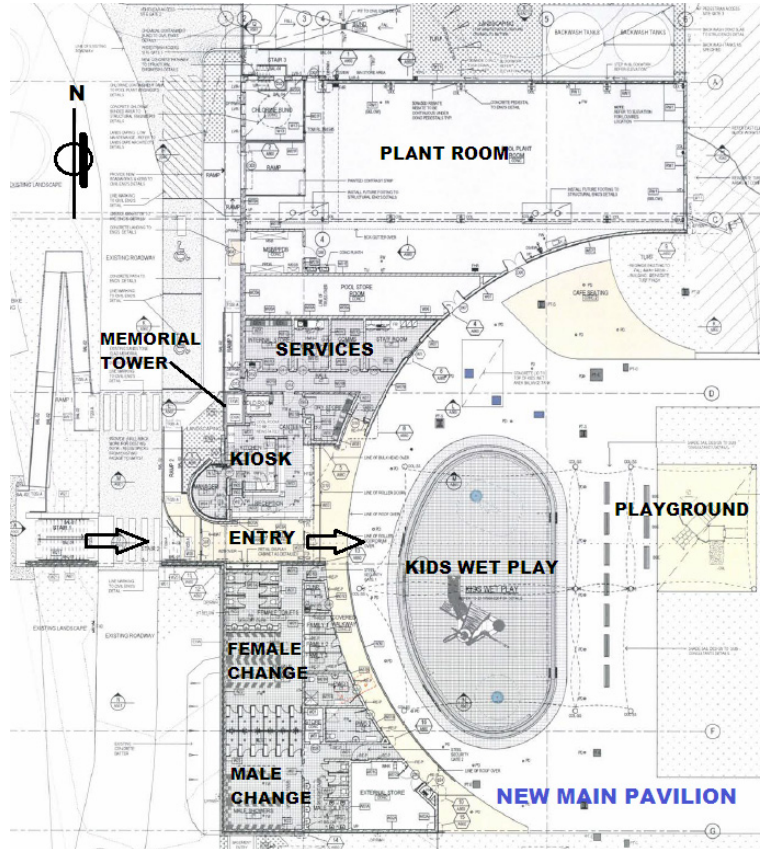
# PAVILION TO RISE AGAIN

Construction of the new Main Pavilion is on the move after some delays due to additional work required on the basement structure that has been retained to provide a level base for the new building. The basement structural remediation has now been finalised allowing construction work associated with the southern section of the Main Pavilion to proceed without interruption.

Demolition works on the pavilion exposed defects in the existing brickwork of the basement that required rectification and stabilisation before other structural work could proceed. The remediation work involved installation of chemically anchored wall ties and a steel framed matrix to the basement walls to reinforce the structure.

The Memorial Tower also requires some additional retention and remediation works to ensure its long term integrity is maintained. Demolition of the surrounding pavilion building exposed the need for additional structural stabilisation and alterations to the cosmetic treatments proposed for the tower.

Sewer and stormwater drainage is complete, while integral floor beam and slab reinforcing installation is all well advanced. Other major footing work in the Plant Room is nearing finalisation, allowing work to progress on the floor slabs in this area. The concrete floors of the Main Pavilion are expected to be completed by the end of June.



**BELOW LEFT**  
Basement Retention Works

**BELOW MIDDLE**  
Fender wall to support floor for southern extension of Main Pavilion

**BELOW RIGHT**  
New Basement Access

**ABOVE RIGHT**  
Main Pavilion with Kids Wet Play balance tank mid picture and canopy footing in foreground



# FUTURE 25 METRES POOL EXCAVATION

The future location of the 25 metres heated pool was excavated during late April and early May. The excavation involved considerable jack hammer work over a two week period. Council thanks surrounding residents for their patience given the noise impact during this time.

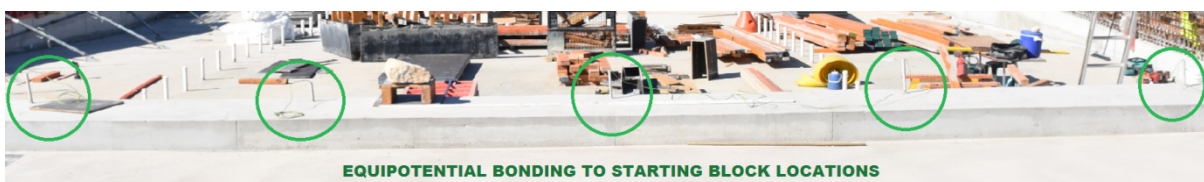
The future 10 lane pool has been fully excavated including the void for the balance tank and trenches for the water feed and hydrostatic pressure lines. The excavation was then back filled with crushed rock and granular material that can be readily excavated in the future when the existing heated pool is due for replacement.



# THE GREEN AND YELLOW STRIPED WIRES

What are those green and yellow striped wires?

No they are not for timing equipment, but rather equipotential bonding - a particularly important electrical safety requirement for buildings and structures. In pools, metallic objects over a certain size, that are or may be earthed, must be joined together so that they are at the same voltage potential everywhere. Conductive fittings attached to the pool such as ladders, diving boards, starting blocks, lane rope connectors and any conductive item within arm's reach of the pool edge (1.25 m) must be bonded. Even the reinforcing bars of the concrete pool structure have been connected to the bonding system. The entire equipotential bonding system at the Memorial Pool Complex is being installed in strict compliance with the Australian Standard Wiring Rules.



EQUIPOTENTIAL BONDING TO STARTING BLOCK LOCATIONS