

Project: Kendall Park Artificial Turf
Date: May 2014
Client: Waimakariri District Council
Location: Kaiapoi



Megaflo® Panel Drainage

Kendall Park had limited use in the winter due to a high water table and the silty ground was not conducive to good drainage. During the month of April, after only a few weeks of site preparation, the local area had a record rainfall which turned the exposed surface into mud, highlighting the poor drainage characteristics of the ground.

The design consisted of the subgrade having a 0.3% cross fall and a 0.3% end fall. After the subgrade was rolled and compacted, Texcel® P19 geotextile was rolled out on top. Megaflo® 170 was laid flat across the playing field at 10m spacings discharging into the Megaflo® 300 collectors on both sides of the field. Megaflo® 300 was terminated into a 450mm square cesspit which discharged to a collector pipe. Compacted crushed AP65 covered the Megaflo® followed by a layer of compacted AP20. A 10mm rubber shock pad layer is added which acts as a performance layer providing cushioning under foot. The final layer was the Tigerturf 60mm 3G artificial turf with sand and rubber crumb groomed into the artificial turf surface which allows players to slide on grass without carpet burns and supports the turf fibers at the base so they can stand vertical giving the appearance of real turf.

Total construction time including field, lights, paths, fencing and excluding 3 weeks of delays from weather is estimated to take 22 weeks as the project nears completion. This design from Tigerturf allows significantly improved drainage enabling all year round all weather sports facility. This field will be used for football, rugby and rugby league. The football and rugby posts are removable to allow flexible usage of the field for full games or across field play.

The design is tried and proven in many places around the world with Megaflo® being the best product available on the market for this application. The design is FIFA and IRB approved.



Kendall Park before Megaflo® installation



Laying Megaflo® over Texcel® geotextile



Close up view of Megaflo® over Texcel® geotextile

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