TORRENS VALLEY SCHOOL COURTS

Project Scope: Torrens Valley School Courts

Torrens Valley School Courts involved the construction of a 1,400m2 play court area as part of the redevelopment of a larger 3,200m2 site. The initial stage of works focused on demolition and clearance. A shed and its associated concrete slab were demolished and removed, along with two existing verandas, a concrete ramp, and paths. Following demolition, site preparation and earthworks were undertaken under Level 2 supervision. Vegetation and the surface layer were stripped and removed from the site. Topsoil was stripped, the subgrade was trimmed and compacted, and topsoil from an onsite stockpile was later respread. Excess spoil generated during the earthworks was disposed of at an EPA-approved waste facility.
Specific preparation was conducted for key elements of the site. A 46m swale was established as part of the

stormwater management system. The tennis court area underwent detailed ground preparation, including subgrade trimming and compaction, application of 125mm PM1/20 and 150mm PM2/20 quarry material, and installation of two layers of Tensar Grid for ground stability. Sixteen compaction tests were conducted across this zone at a frequency of one per 200 square metres. Additional compaction tests were also performed for concrete and paving preparation, including six tests for areas prepared with 100mm of PM2/20 quarry (at 1 per 50m²) and four tests for paving areas prepared with 100mm of both PM1/20 and PM2/20 quarry material (also at 1 per 50m²). Bitumen works involved the laying of Sealmac GEO Fabric in accordance with manufacturer specifications, the application of a CRS Emulsion Binder Coat to a prepared base, and the placement of a 40mm thick AC 7 fine grade asphalt surface.
For stormwater management, Mykra installed a system as per engineering specifications, including excavation and installation of a below-ground Ausdrain OSD Enviromodule. This unit measured 9.6 metres by 4 metres, had a total storage capacity of 17.3 cubic metres, and consisted of 160 individual cells. Fencing installations included several types: 1800mm high pressed point tubular panel fence; 3600mm high PVC black chainmesh fence with top and bottom rails and a hand gate, and 2100mm high good neighbour panel fencing.
Court surfacing works involved applying three coats of Plexipave multisport material. Plexipave line paint was then used to mark two tennis courts in white, two netball courts in yellow, and two basketball courts in red. The shelters were installed using 125x75x6 RHS galvanised posts set into 750x500 footings, designed to support the existing roof structure subject to engineering approvals and availability.

During excavation, a redundant septic tank was discovered. Mykra acted promptly to remove the tank and avoid delays to the overall earthworks. Additionally, throughout the construction period, the school made functional changes to the planned fencing layout to accommodate future maintenance access and operational needs. Weather posed a significant challenge, particularly affecting the timing of the acrylic surfacing. However, Mykra maintained regular communication with the school and stakeholders to ensure works were scheduled during optimal weather conditions, preserving the quality of the finish.

ADDITIONAL INFORMATION

Client	Torrens Valley School
Completed	2025
Project Value	$900,000





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