

BOTTON INDOOR DRESSAGE ARENA

Toodyay Road | Gidgegannup | WA

CLIENT
Urban Landscaping

ARCHITECT
Urban Landscaping

DISCIPLINE
Civil

PROJECT COST
\$6,000



With a strong interest in horses and a history in dressage, the owners of the site wanted to install an arena on their large block in Gidgegannup, to become more involved with their passion. The arena now boasts many medals and has become a well-known novelty amongst the Perth dressage community. Urban landscaping approached us for our expertise on this complex project.

The scope comprised access ramps for the covered arena, retaining structures to planted areas, stormwater catchment calculation and design, including an aesthetic retention basin, and earthworks specifications with cut and fill volumes presented in a 3D design. A horse feed and manure storage area was also being implemented with the need for tractor access. Due to the existing residential building on site, interruptions needed to be kept to a minimum.

The greatest complication was working with existing ground levels and slopes when providing a stormwater management plan to suit overland flow and economic drainage. The slip roads from the arena to the main house needed to be addressed thoroughly to avoid serious drainage issues if not designed carefully. A standardized drainage layout or 2D design was not applicable for this site and our team provided our client with 12D models alongside screenshots for accurate set out and design. This gave the client an insight and appreciation of the intricacies of the job.

To furnish the overall arena, we designed a car park with a 30-car capacity, and an access roadway network around the whole establishment.

 Residential  Geotechnical  Commercial & Infrastructure  Inspect & Investigate  Energy Assessment  Environmental

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