

VRC Birdcage Development



Location

Flemington, Victoria, Australia

Project Value

AUD\$13.6 Million

Office Responsible

Cardno Grogan Richards

Responsibilities

Structural Design & Construction Supervision

Project Scope

Key Features :

- 180m long horse ramp and tunnel
- New Parade Ring
- Horse Stables with Polished Concrete Precast Panels
- Catering, Vet and Tote Facilities
- Level 1 Terrace Function Area

Client

Victoria Racing Club Vic

Design Features:

- Structures are supported on a combined post tensioned raft and concrete driven pile system over coode island silts.
- The horse tunnel was constructed as a cut and cover system with temporary steel sheetpiles and propping to accommodate the base of the tunnel 6m below the surface level. The tunnel was constructed with a waterproof membrane wrap with a fuko backup system to construction joints.
- Horse stables were completely framed and constructed with precast panels, precast columns and a precast roof system.