

Midlands Pipeline Irrigation Scheme – Distribution Pipeline

Client: Tasmanian Irrigation

Duration: April 2012 – June 2014

Contract Value: \$25M

The project extended over a large tract of land with 14 separate pipelines being installed. The majority of the alignment passed through private farm land but the pipeline also crossed rural roads, the Midlands Highway, North-South Railway, and various services including gas, power and communications.

The pipe size ranged in diameter from 1000mm to 200mm and was mostly butt-welded polyethylene (PE). Sections of ductile iron cement lined (DICL) pipe were used through the high pressure areas.

Excavation and pipe laying works commenced in November 2012 and took approximately 12 months to complete.

Scope of Works

Design and Construction 100km of irrigation pipeline including:

- Construction of three pump stations including buildings, pumps and pipe work.
- Construction of a 500ML earth dam including off take structure and spillway outlets.
- Provision of telemetry and control systems for the operation of the pump stations and pipeline outlets.
- Commissioning of all systems.

Key Achievements

- Management of a large geographic spread of works over 140km from 947m altitude to 330m.
- Construction through rugged undulating terrain and numerous stream crossings requiring detailed methodology and environmental management plans.
- Management of significant exclusion zones and prescriptions for protected flora, fauna, European and Indigenous heritage reducing corridors for access and construction.
- Management of construction access through 70 private landholders, 3 councils and numerous regulatory bodies.

