

Binningup Desalination Plant – Inground Pipework, Structural Concrete & Roadworks



Value \$20M



Works completed as Watpac Civil & Mining

Director's involvement – Tim Malseed – Project Manager/Pete Hancock – Project Engineer

FACTS

Client	Southern Seawater Alliance (SSWA)	Division	Civil and Mining
Contact	Mike Murray	Commenced	January 2010
Location	Binningup, WA	Completion	May 2011

PROJECT OVERVIEW

This contract involves the excavation, installation and backfill of pipework; construction of reinforced concrete anchor blocks, building foundations, culverts, ring beams and ground slabs; installation of culverts along with drainage and road works.

The works are being completed for SSWA as part of the Water Corporation's Desalination Plant at Binningup, 150km south of Perth. The SSWA comprises of Tecnicas Reunidas, Valoriza Agua, AJ Lucas, WorleyParsons and the Water Corporation.

To ensure minimal impact on the local community and ecosystem the project is operated within very strict environmental conditions.

SPECIFICATIONS

- 0 10,000m GRP pipe in diameters from 1400mm to 900mm
- 0 10,000m HDPE pipe in diameters from 600mm to 150mm
- 0 1,200m MSCL pipe 1400mm diameter
- 0 550m of PVC pipe in diameters from 450mm to 15mm
- 0 80,000m³ of excavation and backfill for pipework including dewatering
- 0 800m³ of reinforced concrete thrust blocks
- 0 600m³ of reinforced concrete ground slabs
- 0 500m³ of reinforced concrete for detailed building foundations and floor slabs
- 0 550m³ of reinforced concrete ring beams and tank base slabs
- 0 250m³ of reinforced concrete electrical culverts