

Red Hill Class III & Class IV Cell

Construction - Greenfields Infrastructure

Project

Red Hill Waste Management Facility Landfill and Leachate Pond Construction

Client/EPCM

Eastern Metropolitan Regional Council

Value

\$9,187,453

Description

This contract comprised the construction of a new Class III cell to contain 1,100,000m³ of commercial and municipal waste and a new Class IV cell to contain 300,000m³ of low hazard contaminated soil.

An area of former landfill had been designated to be capped with compacted clay from the excavation and a leachate pond constructed on the capped surface.

Ertech's scope of work included:

- Excavating to spoil 390,000m³
- Placement of clay lining to 80,000m² of walls and floors

Supply and placement of a complex 8 layered lining system comprising:

- 35,000m² of Geosynthetic Clay Liner
- 90,000m² of 2mm HPDE Geomembrane
- 35,000m² of Geonet
- 46,000m² of Geotextile filter layer
- 11,000m² of Atlantis Drain

Location

Red Hill is located 22km east-north-east of Perth, Western Australia.



"...getting it right and on time"