

TAMAR VALLEY COMBINED Cycle Project

Date: 2007

Principal: **Alinta Energy**

Project Value: **\$3.0M**

TASK

The contract required construction of an access road incorporating provision of services and earthworks associated with the power station - highly specified embankment.

CHALLENGES

The construction site was adjacent to a natural gas pipeline and the Bell Bay Gas Power Station, which in itself imposed restrictions on methods, which could be used during the earthworks and road construction. Access to the Power Station was required at all times and blasting was managed so as to not affect any major infrastructure adjacent to the site. Works included:

- Site excavation included clearing and grubbing, and stripping and stockpiling.
- Regrading and proof rolling of the insitu surfaces under the roads. Cut and fill - cut, placement and compaction on approved proof rolled surfaces, the separation and removal of spoil, and the separation and stockpiling of boulders for break up.
- Blasting of 40,000m³ in the vicinity of the existing gas pipeline.
- Supply, placement, grading compaction and testing of road base materials to depths specified for roads (i.e. 300 and 200mm), and all other site areas (i.e. 200 and 150mm) as indicated. Supply of bituminous surfacing for the roads.
- Supply and installation of storm water drainage system including testing of backfill material. Supply and construction of new sections of fire and water pipelines.
- Provision of all trenching/excavation and backfill required for telecommunications cabling at Telstra directions and to Telstra specifications. Engineering, supply and installation of road lighting.
- Reinstatement of existing road surfaces were excavated to install services and install chain-link mesh security fencing.

OUTCOMES

Shaw successfully completed the difficult project working with the Client. Following this contract, Shaw completed 4 further contracts on the Tamar Valley Power Station site based upon the performance and relationships developed during this contract.

