



Colas Asphalt Plant

COLAS AUSTRALIA | YATALA QLD

Following the successful delivery of the 11 hectare, 15 lot industrial subdivision, Aspire Industrial Park, Alder Constructions secured the contract to deliver the design and construction of a new Asphalt Batching Plant for one of the buyers, Colas, a multi-national company in the construction and maintenance of roads and transport infrastructure.

Alder Constructions successfully managed the full design process for Colas to ensure the facility was delivered to meet the operational requirements of the high impact business. Throughout the project, Alder Constructions were able to provide value engineered solutions based on vehicle constraints and operational needs of Colas.

This included an increase in aggregate storage areas to improve productivity of the plant and modelling and amendment of building positions to accommodate B-Double vehicle movements. Specialist disciplines such as hazardous waste management and stormwater quality devices were also provided to ensure Colas met its obligations when manufacturing to undertake testing of the asphalt product.

PROJECT VALUE:

\$7.6m

SECTOR:

CIVIL // ROADS, CYCLEWAYS & INFRASTRUCTURE

DELIVERY MODEL:

DESIGN & CONSTRUCT

WATCH OUR FLY THROUGH VIDEO // <https://youtu.be/CRRoPlykHCg>

PROJECT HIGHLIGHTS

- Design development and finalisation for civil works, underground services, landscaping and buildings.
- Bulk earthworks across 3 lots (17,366 sqm)
- Construction of retaining walls to withstand live loads of adjacent aggregate storage area.
- Installation of underground services (electrical, comms, security, water, fire water and sewer)
- Construction of concrete foundations for the asphalt plant, construction of concrete aggregate storage bins and roof structure.
- Installation of rigid concrete pavement and driveways.
- Construction and certification of new buildings (Laboratory, Crew Room and Workshop / Wash Bay). Final landscaping, guardrail and fencing across site.
- Cost engineering solutions were provided to ensure the facility was delivered to strict expenditure budgets.
- Concrete pavement designs were refined to suit the site conditions and able to withstand the heavy industrial loads that would be applied.