



**PROJECT REFEREE**

Gus Trabolssi  
 Project Manager  
 0402 487 251

**CLIENT**

Logan Water  
 Infrastructure Alliance  
 (Downer)

**FB ROLE**

Delivery Partner

**VALUE**

\$3.1M

**LOCATION**

Cedar Grove, QLD

**TIME FRAME**

February – September  
 2019

**INDUSTRY**

Treatment Plants

**CAPABILITIES**

Pump Stations  
 Pipelines & Civil Works

## Cedar Grove Wastewater Treatment Plant – Civil Works

**Overview**

Construction of a new greenfield Wastewater Treatment Plant to provide wastewater treatment services to new development in the region.

**Works Undertaken**

Construction and commissioning of:

- 1400m<sup>3</sup> of concrete structures, including bunded slabs, roadways, tanks, footpaths and pits
- 2800m of chemical, water and sewer pipework ranging in size from DN90 to OD630
- 4m deep DN3000 Chemical Collection structure, 6m deep DN2400 Pump Station and 13 manhole structures up to 4.5m deep
- 1200m of conduit trench with over 5200m of DN50-DN150 conduit, including 42 precast pits and draw rope

**Highlights, Innovations and Key Risks**

- Success of the project was contingent on working in with other subcontractors engaged directly by LoganWIA. Management of resources and staging of works allowed for smooth delivery over multiple work fronts.
- The greenfields site is located in an environmentally sensitive area, requiring the use and regular maintenance of environmental controls to control run-off from site. Management of these controls was completed via an Environmental Controls Map (ECM) developed by FB's in collaboration with LoganWIA. This allowed for an at-a-glance review of control measures and provided a simple method to monitor the condition of these controls.