

Charters Towers Road Watermain



Location

Townsville, Queensland

Client

Townsville City Council

Commencement Date

March 2015

Completion Date

December 2015

Contract Value

\$8.9 million

Overview

BMD Urban were contracted to construct new water mains and associated connections on Ross River Road and Charters Towers Road. The new water mains will supply residents and commercial customers in the suburbs of Hyde Park, Mysterton, Pimlico, Aitkenvale, Hermit Park, West End and Rosslea, all located within 6 kilometre radius of Townsville's CBD.

Project Scope

The scope of works included:

- 6083 metres of water main piping
- civil works comprising excavation, trenching, backfilling, compacting and levelling
- connections to existing pipelines
- restoration, reinstatement and clean-up of the work site and other disturbed areas.

Outcomes

The entire network was successfully installed to a high quality, with no leaks recorded upon testing and commissioning.

Disturbed land areas and road corridors were restored with critical parkland areas, including Anderson Gardens, revegetated with no visible evidence left of the construction footprint.

The project team successfully coordinated the works to minimise community impacts through program management and innovation including the use of directional drilling in narrow residential corridors.

The project was impacted by drought conditions and the introduction of Level 2 water restrictions. The project team successfully implemented water mitigation techniques through the reuse of trench water for compaction and the development of a dry season hydromulch mix using flex terra to allow germination by natural rainfall events.