



Unit 5, 2 James Street
North Cairns, QLD 4870

PO Box 6665 Cairns, 4870

T: (07) 4041-4350

Fax: (07) 4041-4969

E: fgfdev@fgf.com.au

ABN 67102 951 039

MALANDA AREA WATER SUPPLY SCHEME (MAWSS)



fgf Developments constructed a 3.6 km raw water transfer main for the Township of Malanda. The project links four (4) bores to provide a consistent supply of clean water for the Township; alleviating the reliance on the North Johnstone River intake. Works were undertaken along the Main Roads corridors of Malanda-Atherton Road and Upper Barron Road; as well as through private property linking to the North Johnstone River intake site.

The project included:

- Preparation and site establishment
- Provision of traffic management and safety signage
- Establishment and maintenance of environmental controls and soil and water management systems
- Survey setout of site
- Trenched installation of raw water main
 - 66m of 100 dia OPVC raw water main
 - 1713m of 150 dia OPVC raw water main
 - 1651m of 200 dia OPVC raw water main
- Directional drilling under Main Roads and river crossing
 - 44m of 180 dia PE underbore of Malanda-Atherton Road
 - 48m of 180 dia PE underbore of Upper Barron Road
 - 120m of 280 dia PE underbore of North Johnstone River

Project opportunities and challenges included:

- Continual wet weather caused difficult site conditions, though fgf's dedicated workforce were able to complete the project ahead of schedule. Wet weather EOT's were not required as works were completed ahead of the original Practical Completion Date.
- Due to boggy site conditions limiting access, hydrostatic testing of long lengths was required. The main tested to required pressures without any leaks.

Location:

Malanda

Client:

Tablelands Regional
Council

Civil Engineering

Consultant:

SKM

Duration:

March – July 2013