

Harmony Estate

Palmview | Sunshine Coast



Scope of Works

Set on 378 hectares, Harmony when completed, will deliver more than 4,800 homes for 12,000 future Sunshine Coast residents.

In September 2016, Shadforth were awarded the contract to upgrade four existing intersections along Claymore Road, leading into the future Peter Crosby Way. The construction of Peter Crosby Way includes two bridge crossings and approximately two kilometres of road construction, providing access for the future Harmony development.

The Scope of Works included existing intersection upgrades, earthworks, bridge construction, road pavement, AC surfacing, stormwater drainage, trunk watermain construction, box culvert installation, bicycle underpass crossing, traffic signal works, sediment control and environmental management.

To date, Shadforth have completed the following at Harmony:

- 2.6km - Trunk road (including 2 bridges)
- Over 1 million m³ - Bulk earthworks (cut to fill onsite)
- 9 - Civil stages, delivering a total of 1100 residential lots
- 2 Display villages
- 5km - 355mm PE rising main (including a dual 220m tunnel bore under the Mooloolah River)
- 1.5km - 500mm PE trunk loop watermain (including a 200m tunnel bore under Sippy Creek)
- SEQ Water 660mm diameter steel watermain realignment with a 12-hour critical shut down period
- 4.2m diameter, 8.8m deep sewer pump station
- 1.1 km - Acoustic mound

Project Overview

Client

Avid Residential Group

Start Date

September 2017

Completion Date

March 2019

Contract Sum to Date

\$64 Million

Shadforth Team

Construction Manager

Jeremy Linton

Project Manager

Ed Wilkinson

Project Engineer

Alex Watson

Site Supervisors

Anthony Rook

Safety Manager

Grant Fowler

Quality Assurance

Alex Watson

Environmental Officer

Ben Francis

MASTERPLANNED COMMUNITY

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Project Particulars

- Challenging site conditions, environmentally sensitive areas and tight timeframes. At times, Shadforth had up to 8 pipe crews and 2 civil road crews to meet key development delivery dates.
- As part of the project, 5km of sewer rising main was required to service the development which extended from Palmview to Kawana, passing through sensitive wildlife and environmental areas. The works were completed with minimum impact to both flora and fauna and the area was returned to its pristine condition.
- Shadforth adopted extra sediment, erosion and water quality management throughout the project.
- Shadforth were contracted to provide the design and RPEQ Certification of the dual rising main and trunk watermain tunnel bores under the Mooloolah River and Sippy Creek. It was designed to bore 10m below the water the bed of the waterways, ensuring there would be no effects during construction or in the future to water and surrounding wildlife.
- 380m realignment of the 660mm SEQ Water watermain which supplies water to some areas of the Sunshine Coast. This included 2 live connections to be completed within a critical, 12-hour shutdown period.
- As Harmony progressed, families soon became residents. There was a need for us to keep our presence to a minimum as not to interrupt the quiet lifestyle the families had come to enjoy.

