

BANDON TERRACE



LOCATION

Marino, SA

CONTRACT VALUE

\$615,218.00

CONSTRUCTION PERIOD

November 2013 -
March 2014

FORM OF CONTRACT

Minor Works Agreement

CLIENT

City of Marion

PROJECT SUPERVISOR:

Jeffrey Way

REFEREE

Andrew Myerscough
City of Marion
08 7420 6425

DESCRIPTION OF PROJECT:

Replacement and upgrade of existing stormwater infrastructure from a reserve to the beach road below.

Construction included a new underground drainage system consisting of:

- 20m of 825mm diameter Class 2 RCP
- 100m of 750mm diameter Class 2 RCP
- 30m of 450mm diameter Class 3 RCP
- 19m of 375mm diameter Class 3 RCP

- One single side entry pit
- Seven 1200mm square junction boxes
- Three 900mm square junction boxes

Construction of a Humes Humegard (Model HG42MkII) Gross Pollutant Trap device (or equivalent)

Construction of a concrete headwall and transition structure at the coastal outfall

Reinstatement of approximately 100m of paved walkway between the northern end of the Bandon Terrace Reserve and Burnham

Re-landscaping of the walkway

PROJECT CHALLENGES:

The site was an existing access way to the beach between established houses and only 8m wide and extremely steep.

The existing stormwater was up to 5m deep and had to be removed before installing the new pipework at the same depth. The soil; that was removed has to be disposed of as the soil had asbestos inclusions and the appropriate precautions needed to be taken

One bordering property had an easement that required access running through their established tennis court so communication between the resident, the council and T & J Constructions was paramount.

KEY CONSTRUCTION PROCESSES:

Excavation and removal of the existing 5m deep 825dia pipe and installation of the new pipe in the same location but at different grades, installation of 10 large pits, remediation of the asbestos present soil, excavation across a private tennis court and reinstating the entire tennis court with new synthetic grass.