

CLARENDON STREETScape UPGRADE

**LOCATION**

Grants Gully Road,
Clarendon

CONTRACT VALUE

\$263,000.00

CONSTRUCTION PERIOD

March 2014 – May 2015

FORM OF CONTRACT

AS2124-1997

CLIENT

City of Onkaparinga

PROJECT SUPERVISOR:

Luca Ragdona

REFEREE

Kathryn Kuchel
City of Onkaparinga
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DESCRIPTION OF PROJECT:

Excavate earth bank in the town of Clarendon and build large engineered concrete retaining walls with a stone facing to meet heritage requirements. This is part of the Clarendon major streetscape upgrade.

PROJECT CHALLENGES:

The footings for the walls had to be founded in natural material which required significantly deeper excavations and footings. This resulted in a much higher wall than originally expected. A scaffold was erected along the wall to allow for the stone masons to complete the stone facing. T & J Constructions had to work around Telstra optic fibre which was close to our footings.

KEY CONSTRUCTION PROCESSES:

Removal of vegetation and detailed excavation of earth faces.
Work around other trades employed by council to deliver other streetscape upgrade works.
Dig deep blade footings in rock fill using detailed excavation
Utilise extensive traffic management to ensure the safety of staff and members of the public including pedestrians.
Use temporary high visibility safety fences to identify large drops
Construct formed retaining walls up to 2m high.
Complete rock facing and capping of concrete walls to make them appear like heritage walls under National Trust - Heritage supervision
Source appropriate local stone and provide period type stone construction.
Backfill retaining walls.
Install fencing.