fmg researchhouse

PO Box 707
Kent Town SA 5071
26 Beulah Road
Norwood SA 5067
P 08 8363 0022
F 08 8362 1348
W fmgengineering.com.au
ABN 58 083 071 185

# Certificate of Controlled Fill

**Date:** **18 April 2018**

**Site:** **Virginia Grove Stage 4A**
**Lot 579 Edmund Avenue**
**VIRGINIA SA 5120**

**Job No:** **259323 - S38780**

*The work carried out in the preparation of this report has been performed in accordance with the requirements of FMG Engineering's Quality Management System which is certified by NCS International Pty Ltd to comply with the requirements of ISO9001*

## Site Preparation

Site preparation within the area certified as being controlled fill [the extent of which is defined by the area hatched in red on Tonkin Consulting General Construction Plan – Sheet 2 of 7 Job Number. 20160000 Sheet Number 54 Revision 0], filling was placed and compacted under the supervision of FMG Research House. The topsoil, vegetation, and any existing filling was removed. The surface was confirmed to be 'natural ground' then proof rolled to achieve a firm stable base prior to filling. Levels and area of filling placed have been taken and recorded.

## Certification

The Filling (consisting of Sandy Clay imported from Clay and mineral sales) was placed, compacted and tested under the supervision of FMG Research House in accordance with the requirements for Level 1 Supervision set out in AS3798 (2007) 'Guidelines on Earthworks for Commercial and Residential Developments'.

Field density tests have been carried out and have reached a minimum compacted density of 95% in accordance with AS1289 5.1.1 (Standard Compaction).

The filling placed and compacted within the area certified as being controlled fill [the extent of which is defined by the area hatched in red on Tonkin Consulting General Construction Plan – Sheet 2 of 7 Job Number. 20160000 Sheet Number 54 Revision 0], meeting the requirements of AS2870 (2011) 'Residential Slabs and Footings' from the natural surface up to the levels recorded on the plans held at FMG Research House as above. Any filling discovered outside the defined area or to a depth significantly greater than shown on the plan and any topsoil/ landscaping fill placed is not included in this certification.

## Retaining Wall Note

Any adjacent retaining wall must not be loaded by proposed structures. Footings for structures must be founded such that if a 45 degree line is drawn from the base of the footing system or a supporting pier, it must not intersect with the rear face of any retaining wall.

**Steve Clarke**
**MIEAust, CPEng, NER**
**FMG Engineering**

Attached:

1. Tonkin Consulting General Construction Plan – Sheet 2 of 7 Job Number. 20160000 Sheet Number 54 Revision 0

*This report is copyright to FMG Engineering. This report was prepared specifically for the client named and for the purposes described in the Introduction or scope. No part of this report including the whole of same shall be used for any other purpose nor by any third party without the prior written consent of FMG Engineering.*