

# Certificate of controlled fill

**Date:** 6/11/2019  
**Site:** Miravale Subdivision Stage 2  
Lot 22 Sam Circuit ANGLE VALE  
**Job No:** 266513- S45730

## 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 Kellogg Brown & Root Pty Ltd Drawing No. AEV753-001-DW-CV-GEN-2003 Rev A], filling was placed and compacted under the supervision of FMG Research. 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 Silty Sandy Clay won from the site) was placed, compacted and tested under the supervision of FMG Research 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 [Kellogg Brown & Root Pty Ltd Drawing No. AEV753-001-DW-CV-GEN-2003 Rev A], is certified as controlled fill, 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 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.



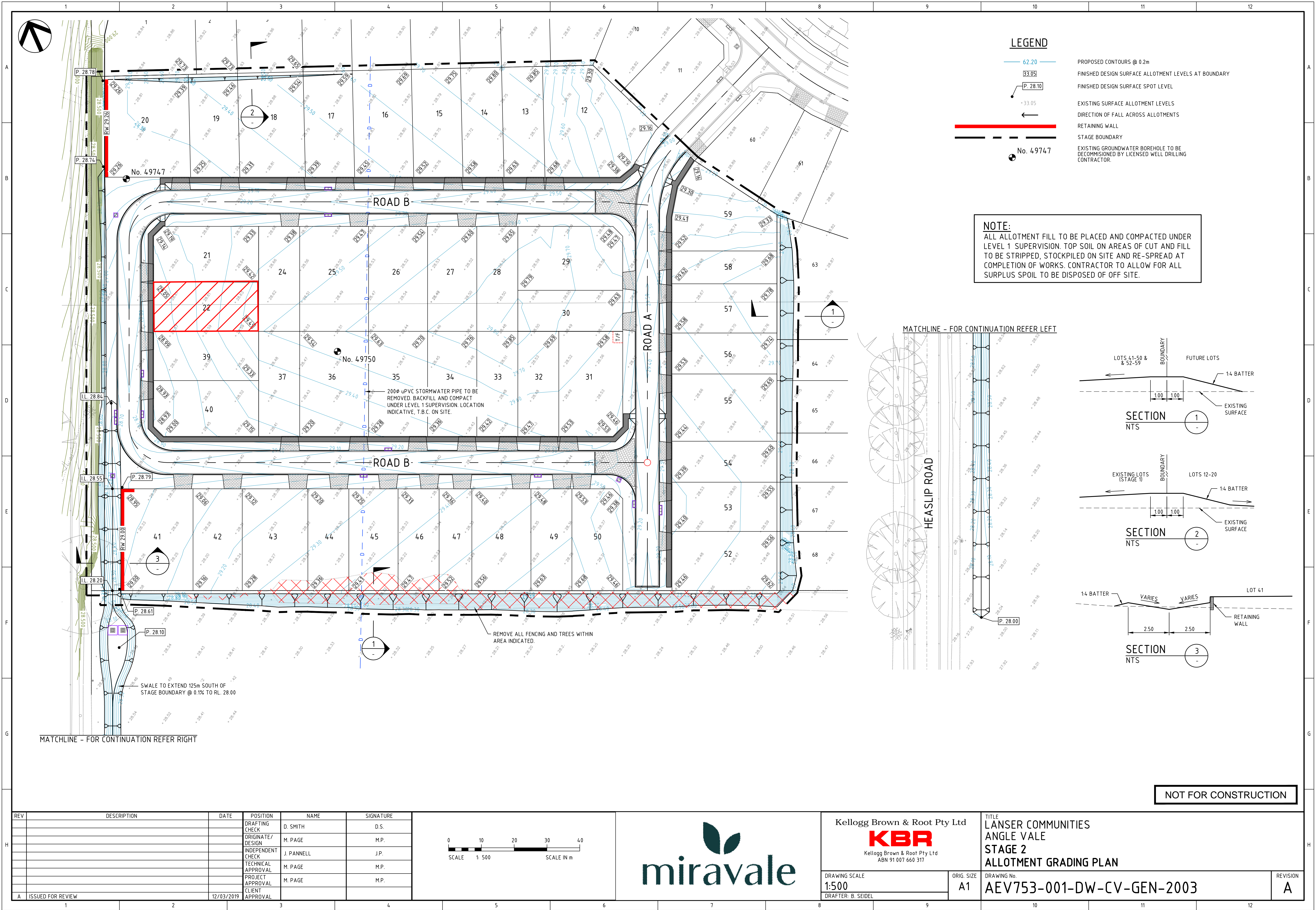
**Steve Clarke**  
MIEAust, CPEng, NER  
FMG Engineering

Attached:

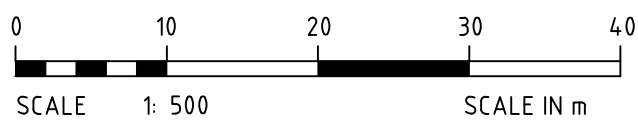
1. Kellogg Brown & Root Pty Ltd Drawing No. AEV753-001-DW-CV-GEN-2003 Rev A

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REV	DESCRIPTION	DATE	POSITION	NAME	SIGNATURE
			DRAFTING CHECK	D. SMITH	D.S.
			ORIGINATE/DESIGN	M. PAGE	M.P.
			INDEPENDENT CHECK	J. PANNELL	J.P.
			TECHNICAL APPROVAL	M. PAGE	M.P.
			PROJECT APPROVAL	M. PAGE	M.P.
A	ISSUED FOR REVIEW	12/03/2019	CLIENT APPROVAL		



Kellogg Brown & Root Pty Ltd  
**KBR**  
Kellogg Brown & Root Pty Ltd  
ABN 91 007 660 317

DRAWING SCALE  
1:500  
DRAFTER: B. SEIDEL

ORIG. SIZE  
A1

TITLE  
LANSEY COMMUNITIES  
ANGLE VALE  
STAGE 2  
ALLOTMENT GRADING PLAN

DRAWING No.  
AEV753-001-DW-CV-GEN-2003

REVISION  
A