

28th July 2023

Reference No. SMS1.22303-L22.Rev0

Mr. David Rowe
AR Contracting Services
649 Port Road
WOODVILLE PARK SA 5011

LOT 122 FIRETAIL CIRCUIT – CLOVER PARK LAND DIVISION STAGE 8B, MOUNT BARKER

Dear David,

SMS Geotechnical Pty Ltd (SMS) was commissioned by AR Contracting Services to provide Level 1 earthworks inspection and testing services during fill placement on Lot 122 Firetail Circuit, Mount Barker. The area where fill was placed is shown approximately in Drawing SMS1.22303-F22.Rev0.

SMS were provided with a TBM by AR Contracting Services which was used to measure and record both pre and post fill levels. Post fill levels were taken prior to the placement of topsoil. The post fill levels were measured at approximately the same locations as the pre fill levels. These levels are detailed in Drawing SMS1.22303-F22.Rev0.

Whilst the utmost amount of care was taken while measuring these levels, SMS is not a licensed surveyor and the difference in measurements on Drawing SMS1.22303-F22.Rev0 may differ slightly to the maximum depth of placed fill on this site.

Level 1 inspection and testing services were carried out by SMS to Australian Standard AS3798-2007 "Guidelines on earthworks for commercial and residential developments" between 19th May 2022 and 26th April 2023. The subgrade was inspected and showed no signs of organic or unsuitable material. Subgrade proof rolling was witnessed prior to fill being placed and was deemed suitable by SMS' representative on site.

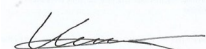
SMS conducted in situ density testing to AS1289.5.8.1 at randomly selected locations throughout areas in which fill was placed as per frequencies outlined in AS3798-2007. The density test results have been issued separately to AR Contracting Services and are retained in our project file. The required laboratory dry density ratio was achieved on all tests taken during fill placement. Laboratory tests were conducted to AS1289.5.1.1.

On the completion of Level 1 earthworks inspection and testing, SMS advise that the fill placed on Lot 122 Firetail Circuit as shown in Drawing SMS1.22303-F22.Rev0, was witnessed and in our opinion meets the requirements of "Controlled Fill" as defined in AS3798-2007 and AS2870-2011 "Residential slabs and footings".

However, it should be recognised that the passage of time affects the information provided in this letter. SMS's opinions are based upon information that existed at the time that our services were provided. The services allowed SMS to form no more than an opinion of the fill placement undertaken under our Level 1 inspection and testing services at the times the earthworks were carried out. These services cannot be used to assess the effect of any subsequent further works at the site.

If you have any questions relating to this project or require any additional information, please contact our office on (08) 8258 7498.

SMS GEOTECHNICAL PTY LTD



Luke Garcia
Laboratory Manager

Attachments: Drawing SMS1.22303-F22.Rev0

This site plan illustrates the layout for Firetail Circuit, including lots 114 through 137. The plan features a central road, Firetail Circuit, with a 100mm PVC front of allotment stormwater connection. Various benching areas are marked with 'NO BENCHING' labels. The plan also shows future benching areas and stormwater connections. A table in the top right corner provides lot and fill data:

Lot	Pre Fill	Post Fill
122	371.010	371.210

Approx. Fill Location

SMS
GEOTECHNICAL
Quality in Construction

Drawn:	LG	Date:	28.07.2023
Checked:	DM	Date:	28.07.2022
Revision:		Date:	
Scale:	NTS		A

**AR CONTRACTING SERVICES
CLOVER PARK STAGE 8B
MOUNT BARKER
SITE PLAN SHOWING PRE AND POST FILL LEVELS**

Project No.: SMS1.22303	Drawing No.: SMS1.22303-F22.Rev0
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