

24<sup>th</sup> November 2020

Reference No. SMS1.20294-L33.Rev0

Mr. Peter Jones  
T&J Constructions  
132 Ryans Road  
GREEN FIELDS SA 5107

**LOT 826 ISABELLA CRESCENT, ANGLE VALE – MIRAVALE STAGE 1**

Dear Peter,

SMS Geotechnical Pty Ltd (SMS) was commissioned by T&J Constructions to provide Level 1 earthworks inspection and testing services on Lot 826 Isabella Crescent, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20294-F33.Rev0.

Pre and Post fill levels were undertaken by Alexander Symonds Survey Consultants. These levels are detailed in pre-fill level survey Miravale South, Stage 1 Angle Vale revision A and post-fill level survey Miravale South, Stage 1 Angle Vale revision 0.

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 30<sup>th</sup> June 2020 and 3<sup>rd</sup> November 2020. 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 T&J Constructions 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 826 Isabella Crescent as shown in Drawing SMS1.20294-F33.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.

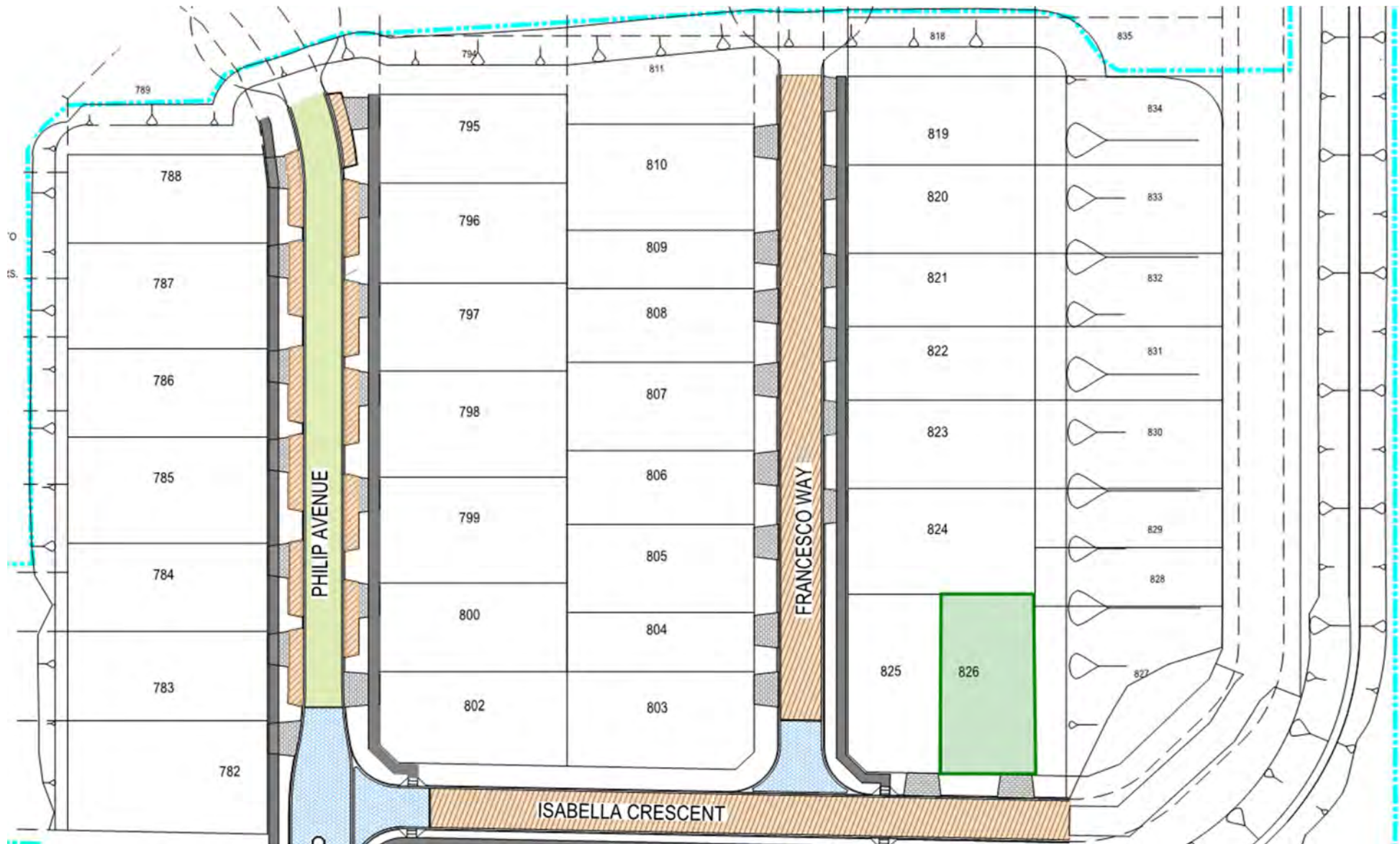
**SMS GEOTECHNICAL PTY LTD**




**Luke Garcia**  
Business Development Manager

**Attachments:**

1. Drawing SMS1.20294-F33.Rev0
2. Alexander Symonds Survey Consultants – pre-fill level survey Miravale South, Stage 1 Angle Vale revision A
3. Alexander Symonds Survey Consultants – post-fill level survey Miravale South, Stage 1 Angle Vale revision 0



 Approx. Fill Location

**SMS**  
**GEO TECHNICAL**  
*Quality in Construction*

Drawn:	<b>LG</b>	Date:	<b>24.11.2020</b>
Checked:	<b>DM</b>	Date:	<b>24.11.2020</b>
Revision:		Date:	
Scale:	<b>NTS</b>		<b>A4</b>

**T&J CONSTRUCTIONS**  
**MIRAVALE STAGE 1**  
**ANGLE VALE**  
**SITE PLAN**

Project No.:	<b>SMS1.20294</b>	Drawing No.:	<b>SMS1.20294-F33.Rev0</b>
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A	11.11.2020	TRENCH LOCATION ADDED	JWS	PSW	47.51TK TOP KERB 47.36WT WATER TABLE 45.16FL FLOOR LEVEL 48.12IL INVERT LEVEL or TAP WATER METER SPRINKLER / IRRIG VALVE HYDRANT DOMESTIC OUTLET DOWNPIPE DOMESTIC SUMP STORMWATER M/HOLE SEP / GRATING	TEL COMM. PILLAR / PIT TRAFFIC LIGHT SIGN / BUS SIGN MAIL BOX / SIGNAL BOX TICKET MACHINE ROAD / ELEC. SERVICE WATER SV / FP ELEC. / GAS METER GAS SERVICE	PSM PEG / TBM SURVEY MARKS BOREHOLE POWER / LIGHT POLE CABLE MARKER STORIE / WOODEN POLE POST / BOLLARD SEWER MH / IO / SIP UNKNOWN POINT / SERVICE	EDGE OF VEGET. ROAD SIGN / HOARD. ROAD SIGN / HOARD. TREE / SHRUB Possible REGULATED / SIGNIFICANT TREE by measurement only (trunk greater than 2.0m circumference). Professional advice from council / arborist required.	BOTTOM OF BANK TOP OF BANK CHANGE OF GRADE DRAIN SEWER PIPE UG TEL COMM. UG WATER PIPE UG BUILDING WALL GI BUILDING CONCRETE FENCE GATE	<b>COORDINATE SYSTEM</b> VERTICAL: AHD HORIZONTAL: GROUND PLANE ORIENTED TO: MGA 94 ZONE 54 SCALE: GROUND (CSF = 1.00016477) <b>ADOPTED STATION &amp; AUTHORITY</b> PSM 6628/22868 RL: 30.486 SDB PSM 6628/22868 E: 284812.468 SDB N: 6163728.958 SDB SDB denotes SA Government survey data base values (Dated: 12/07/1999)	0 5 10 20 30 40 50 m 1:500 ORIGINAL SHEET SIZE A1 ALEXANDER & SYMONDS PTY. LTD. Notes: Property boundaries and easements shown hereon have been compiled from government records and show discrepancies to Certificate of Title dimensions. Boundaries have not been verified by field survey. Construction or design on or near boundaries or easements will require additional survey work.	CONTOUR INTERVAL: Maj: 1.00 & Min: 0.10m SURVEY: PSW 08.07.2020 DRAWN: JWS 10.07.2020 CHECKED: RES 10.07.2020	Alexander & Symonds Pty Ltd 11 King William Street Kent Town, South Australia 5067 PO Box 1000 Kent Town, SA 5071 ABN 93007 753 988 T (08) 8130 1666 F (08) 8362 0099 W www.alexander.com.au E adelaide@alexander.com.au + Property + Land Development + + Construction + Mining + + Spatial Information Management +	<b>Alexander Symonds</b> Surveying Consultants	<b>PRE-FILL LEVEL SURVEY MIRAVALE SOUTH, STAGE 1 ANGLE VALE</b>	DRAWING No. SHEET 1 OF 1 A124317 Pre-Fill level survey Miravale South Stage 1(A)	REVISION A
	REV DATE DESCRIPTION CALC FIELD					ADDITIONS, AMENDMENTS AND APPROVALS											





REV	DATE	DESCRIPTION	CALC	FIELD
ADDITIONS, AMENDMENTS AND APPROVALS				

LEGEND	
47.51TK TOP KERB 47.36WT WATER TABLE 45.16FL FLOOR LEVEL 48.12IL INVERT LEVEL or TAP WATER METER SPRINKLER / IRRIG VALVE HYDRANT DOMESTIC OUTLET DOWNPIPE DOMESTIC SUMP STORMWATER M/HOLE SEP / GRATING	TEL COMM. PILLAR / PIT TRAFFIC LIGHT SIGN / BUS SIGN MAIL BOX / SIGNAL BOX TICKET MACHINE ROAD / ELEC. SERVICE WATER SV / FFP ELEC. / GAS METER GAS SERVICE TEL COMM. PILLAR / PIT TRAFFIC LIGHT SIGN / BUS SIGN MAIL BOX / SIGNAL BOX TICKET MACHINE ROAD / ELEC. SERVICE WATER SV / FFP ELEC. / GAS METER GAS SERVICE

COORDINATE SYSTEM	
VERTICAL:	AHD
HORIZONTAL:	GROUND PLANE ORIENTED TO: MGA 94 ZONE 54
SCALE: GROUND (CSF = 1.00016477)	
ADOPTED STATION & AUTHORITY	
PSM 6628/22868	RL: 30.486 SDB
PSM 6628/22868	E: 284812.468 SDB
	N: 6163728.958 SDB
SDB denotes SA Government survey data base values (Dated: 12/07/1999)	

0 5 10 20 30 40 50 m	
1:500	
ORIGINAL SHEET SIZE A1	
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CONTOUR INTERVAL:	Maj: 1.00 & Min: 0.10m
SURVEY:	AM 17.11.2020
DRAWN:	JWS 20.11.2020
CHECKED:	RES 20.11.2020

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POST-FILL LEVEL SURVEY MIRAVALE SOUTH, STAGE 1 ANGLE VALE	
DRAWING No.	SHEET 1 OF 1
20A0478.C0001 Miravale South Stage 1 Post Fill Rev 0	
REVISION	0