

24<sup>th</sup> November 2020

Reference No. SMS1.20294-L9.Rev0

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

**LOT 795 PHILLIP AVENUE, ANGLE VALE – MIRAVALLE 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 795 Phillip Avenue, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20294-F9.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 795 Phillip Avenue as shown in Drawing SMS1.20294-F9.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.

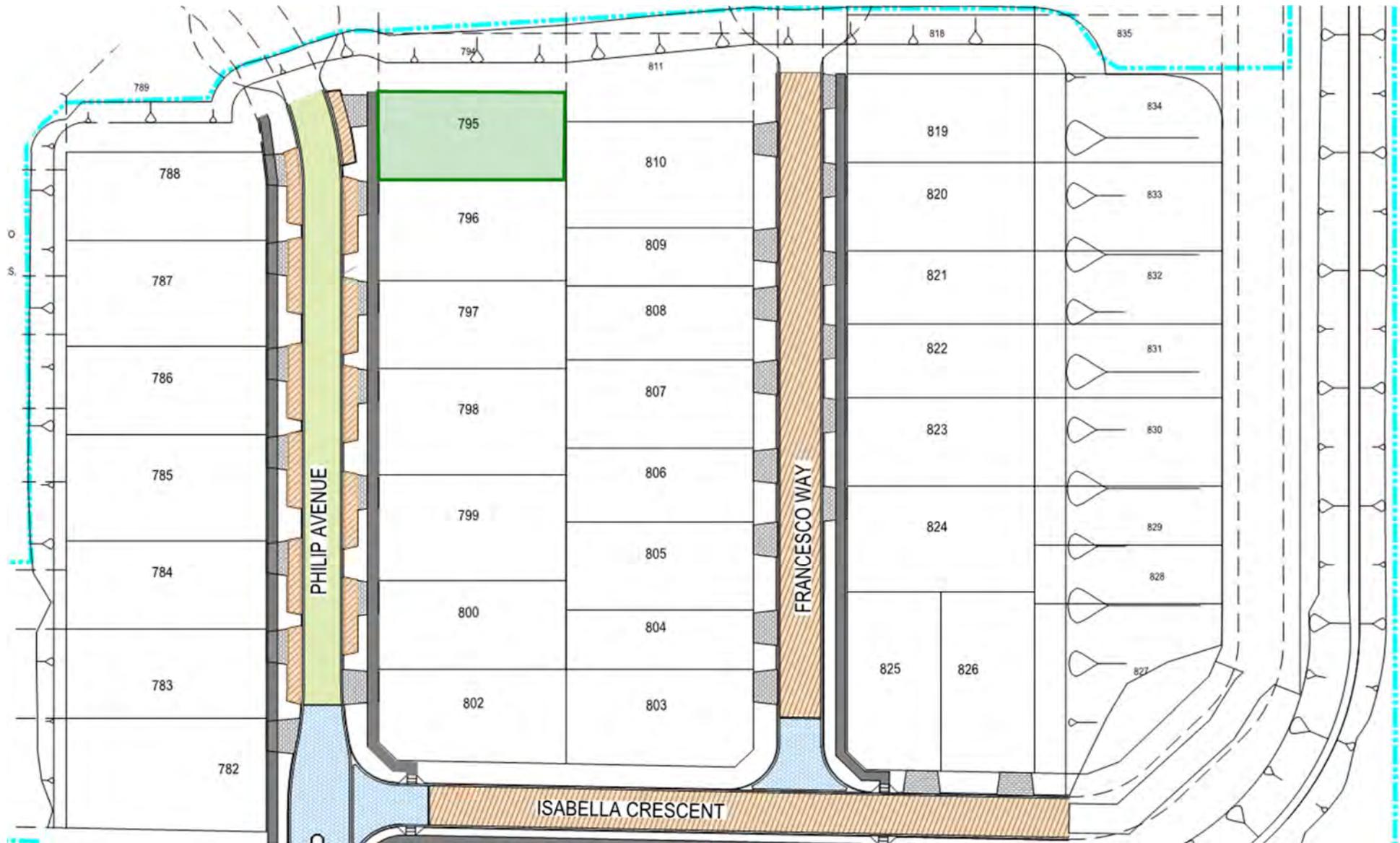
**SMS GEOTECHNICAL PTY LTD**



**Luke Garcia**  
Business Development Manager

Attachments:

1. Drawing SMS1.20294-F9.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



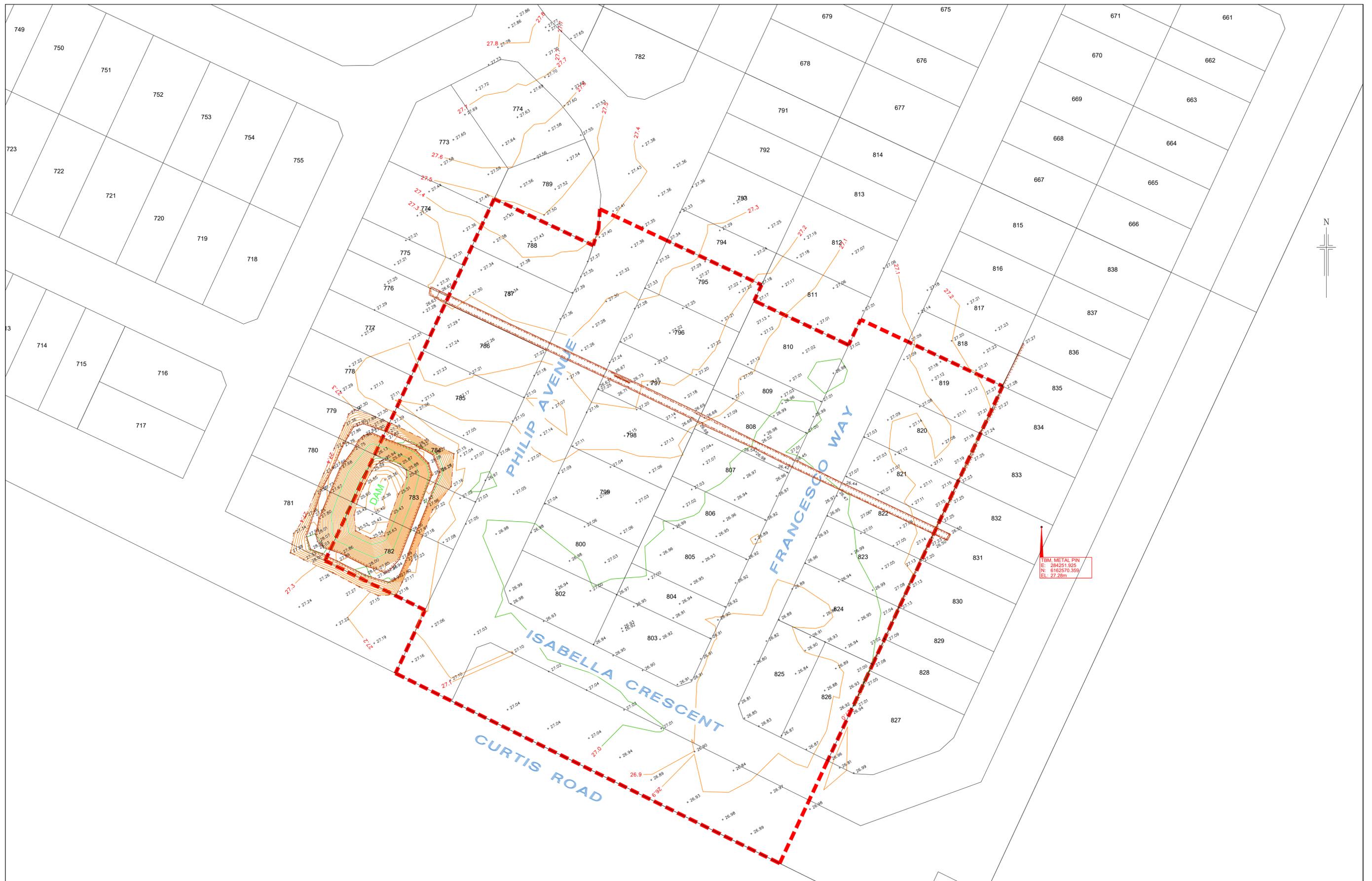
 Approx. Fill Location



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-F9.Rev0</b>
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REV	DATE	DESCRIPTION	CALC	FIELD
A	11.11.2020	TRENCH LOCATION ADDED	JWS	PSW
ADDITIONS, AMENDMENTS AND APPROVALS				

LEGEND	
47.51TK TOP KERB	47.51TK TOP KERB
47.36WT WATER TABLE	47.36WT WATER TABLE
45.16FL FLOOR LEVEL	45.16FL FLOOR LEVEL
48.12IL INVERT LEVEL	48.12IL INVERT LEVEL
or TAP	or TAP
WATER METER	WATER METER
SPRINKLER / IRRIG VALVE	SPRINKLER / IRRIG VALVE
HYDRANT	HYDRANT
DOMESTIC OUTLET	DOMESTIC OUTLET
DOWNPIPE	DOWNPIPE
DOMESTIC SUMP	DOMESTIC SUMP
STORMWATER M/HOLE	STORMWATER M/HOLE
SEP / GRATING	SEP / GRATING
TEL COMM. PILLAR / PIT	TEL COMM. PILLAR / PIT
TRAFFIC LIGHT	TRAFFIC LIGHT
SIGN / BUS SIGN	SIGN / BUS SIGN
LITTER BIN	LITTER BIN
MAIL BOX / SIGNAL BOX	MAIL BOX / SIGNAL BOX
TICKET MACHINE	TICKET MACHINE
POST / BOLLARD	POST / BOLLARD
WATER SV / FP	WATER SV / FP
ELEC. / GAS METER	ELEC. / GAS METER
GAS SERVICE	GAS SERVICE
PSM	PSM
PEG / TBM	PEG / TBM
SURVEY MARKS	SURVEY MARKS
BOREHOLE	BOREHOLE
POWER / LIGHT POLE	POWER / LIGHT POLE
CABLE MARKER	CABLE MARKER
STONE / WOODEN POLE	STONE / WOODEN POLE
POST / BOLLARD	POST / BOLLARD
WATER MH / IO / SIP	WATER MH / IO / SIP
UNKNOWN POINT / SERVICE	UNKNOWN POINT / SERVICE
EDGE OF VEGETATION	EDGE OF VEGETATION
ROAD SIGN / HOARD	ROAD SIGN / HOARD
TREE / SHRUB	TREE / SHRUB
POSSIBLY REGULATED / SIGNIFICANT TREE by measurement only (trunk greater than 2.0m circumference). Professional advice from council / arborist required.	POSSIBLY REGULATED / SIGNIFICANT TREE by measurement only (trunk greater than 2.0m circumference). Professional advice from council / arborist required.
BOTTOM OF BANK	BOTTOM OF BANK
TOP OF BANK	TOP OF BANK
CHANGE OF GRADE	CHANGE OF GRADE
DRAIN	DRAIN
SEWER PIPE UG	SEWER PIPE UG
TEL COMM. UG	TEL COMM. UG
WATER PIPE UG	WATER PIPE UG
BUILDING	BUILDING
WALL	WALL
GI BUILDING	GI BUILDING
CONCRETE	CONCRETE
FENCE	FENCE
GATE	GATE

COORDINATE SYSTEM	
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

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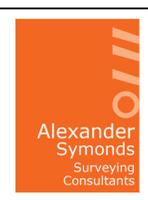
Notes:  
Property boundaries and easements shown hereon have been compiled from government records and show discrepancies to Certificate of Title dimensions. Boundaries have not been verified by field survey. Construction or design on or near boundaries or easements will require additional survey work.

CONTOUR INTERVAL:	Maj: 1.00 & Min: 0.10m
SURVEY:	PSW 08.07.2020
DRAWN:	JWS 10.07.2020
CHECKED:	RES 10.07.2020

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+ Property + Land Development +  
+ Construction + Mining +  
+ Spatial Information Management +



**PRE-FILL LEVEL SURVEY  
MIRAVALE SOUTH, STAGE 1  
ANGLE VALE**

DRAWING No. SHEET 1 OF 1 REVISION  
A124317 Pre-Fill level survey Miravale South Stage 1(A) A



TBM NAIL IN KERB  
 E: 284103.123  
 N: 6162593.551  
 EL: 27.93m

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ROAD / ELEC. SERVICE	WATER SV / FP
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WATER PIPE UG	BUILDING
WALL	GI BUILDING
CONCRETE	FENCE
GATE	

COORDINATE SYSTEM	
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HORIZONTAL:	GROUND PLANE ORIENTED TO: MGA 94 ZONE 54
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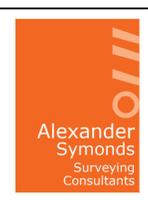
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SURVEY:	AM 17.11.2020
DRAWN:	JWS 20.11.2020
CHECKED:	RES 20.11.2020

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**POST-FILL LEVEL SURVEY  
 MIRAVALLE SOUTH, STAGE 1  
 ANGLE VALE**

DRAWING No. SHEET 1 OF 1 REVISION

20A0478.C0001 Miravale South Stage 1 Post Fill Rev 0 **0**