

24<sup>th</sup> November 2020

Reference No. SMS1.20294-L4.Rev0

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

**LOT 785 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 785 Phillip Avenue, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20294-F4.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 785 Phillip Avenue as shown in Drawing SMS1.20294-F4.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.

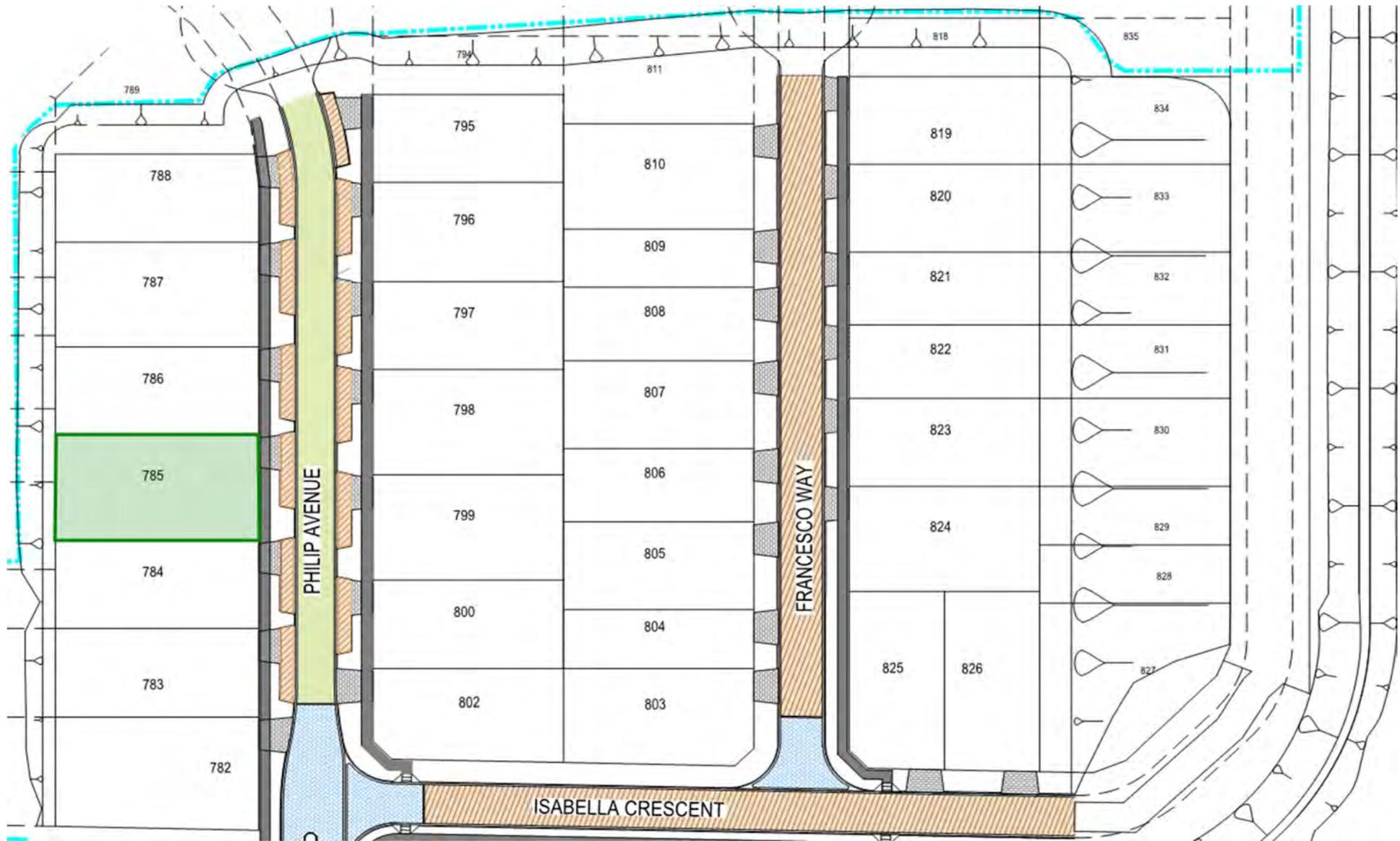
**SMS GEOTECHNICAL PTY LTD**



**Luke Garcia**  
Business Development Manager

Attachments:

1. Drawing SMS1.20294-F4.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



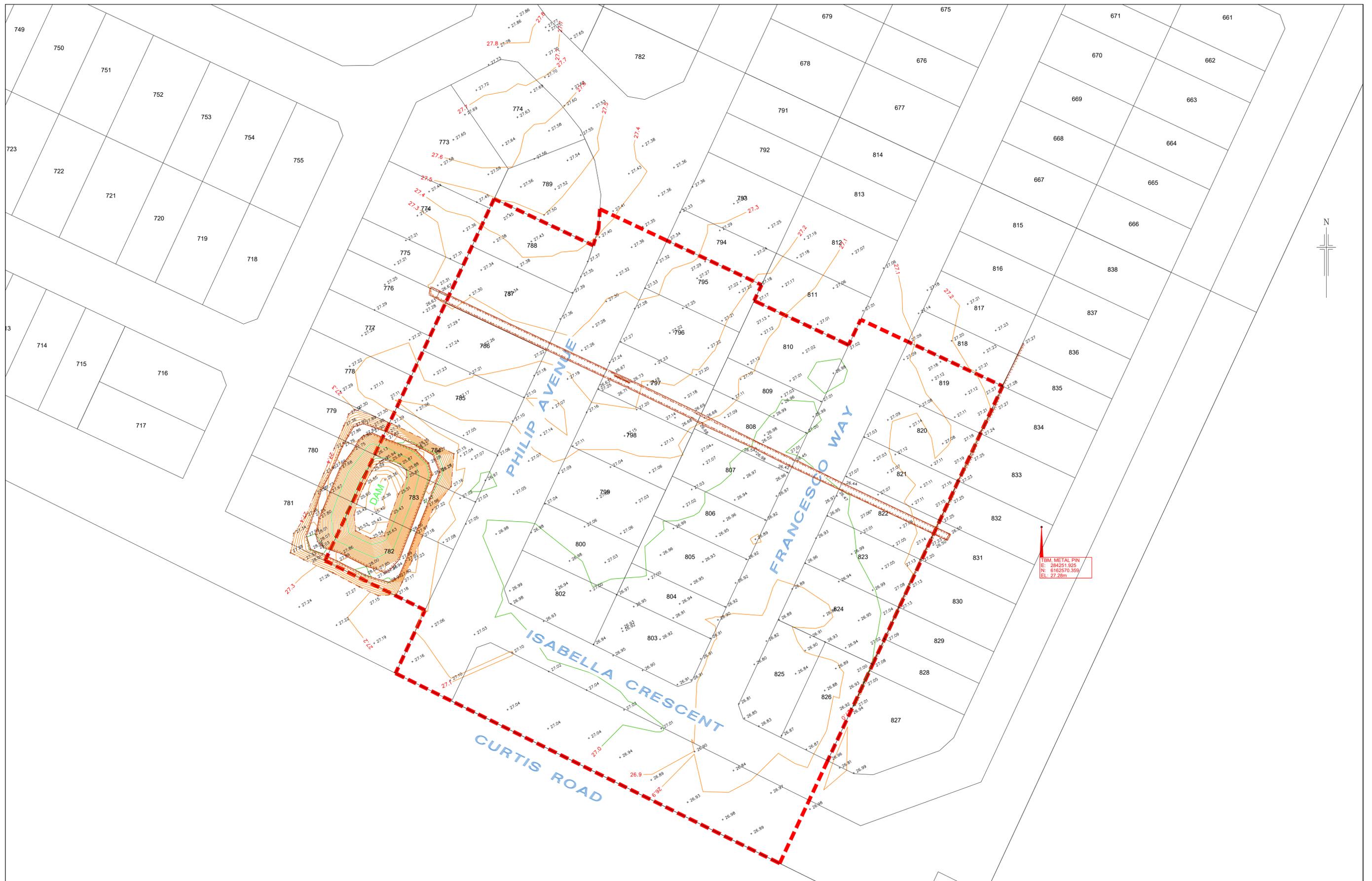
 Approx. Fill Location



|           |            |       |                   |
|-----------|------------|-------|-------------------|
| 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-F4.Rev0</b> |
|--------------|-------------------|--------------|---------------------------|



TBM, METAL PIN  
 E: 284251.925  
 N: 6162570.359  
 EL: 27.28m

|                                     |            |                       |      |       |
|-------------------------------------|------------|-----------------------|------|-------|
| 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                        |
| SEWER MH / IO / SIP                   | SEWER 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 | POSSIBLY REGULATED / SIGNIFICANT TREE |
| ROAD SIGN / HOARD                     | ROAD SIGN / HOARD                     |
| 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

ALEXANDER & SYMONDS PTY. LTD.

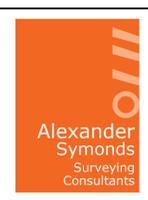
Notes:  
 Property boundaries and easements shown hereon have been compiled from government records and show discrepancies to Certificate of Title dimensions. Boundaries have not been verified by field survey. Construction or design on or near boundaries or easements will require additional survey work.

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

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



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

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

