

24<sup>th</sup> February 2021

Reference No. SMS1.20377-L64.Rev0

Mr. Dhayanand Manoharan  
SEM Group of Companies  
64-66 Barndioota Road  
SALISBURY PLAIN SA 5109

**LOT 1139 KEVIN STREET– VIRGINIA GROVE STAGE 9, VIRGINIA**

Dear Dhayanand,

SMS Geotechnical Pty Ltd (SMS) was commissioned SEM Group of Companies (SEM) to provide Level 1 earthworks inspection and testing services on Lot 1139 Kevin Street on the above project in Virginia, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20377-F64.Rev0.

Pre and Post fill levels were undertaken by Alexander Symonds Survey Consultants. These levels are detailed in pre-fill level survey Stage 9, Sheedy Road Virginia – drawing number 20A0272.C0009 Lot Subgrade Surface Rev A and post – fill level survey Stage 9, Sheedy Road Virginia – drawing number 20A0272.C0009 Lot Pre Topsoil Rev D.

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 6<sup>th</sup> August 2020 and 12<sup>th</sup> February 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.

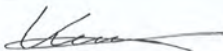
SMS conducted in situ density testing to AS1289.5.8.1 at randomly selected locations throughout areas in which fill was placed as per frequencies outlined in AS3798-2007. The density test results have been issued separately to SEM and are retained in our project file. The required laboratory dry density 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 1139 Kevin Street as shown in Drawing SMS1.20377-F64.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.

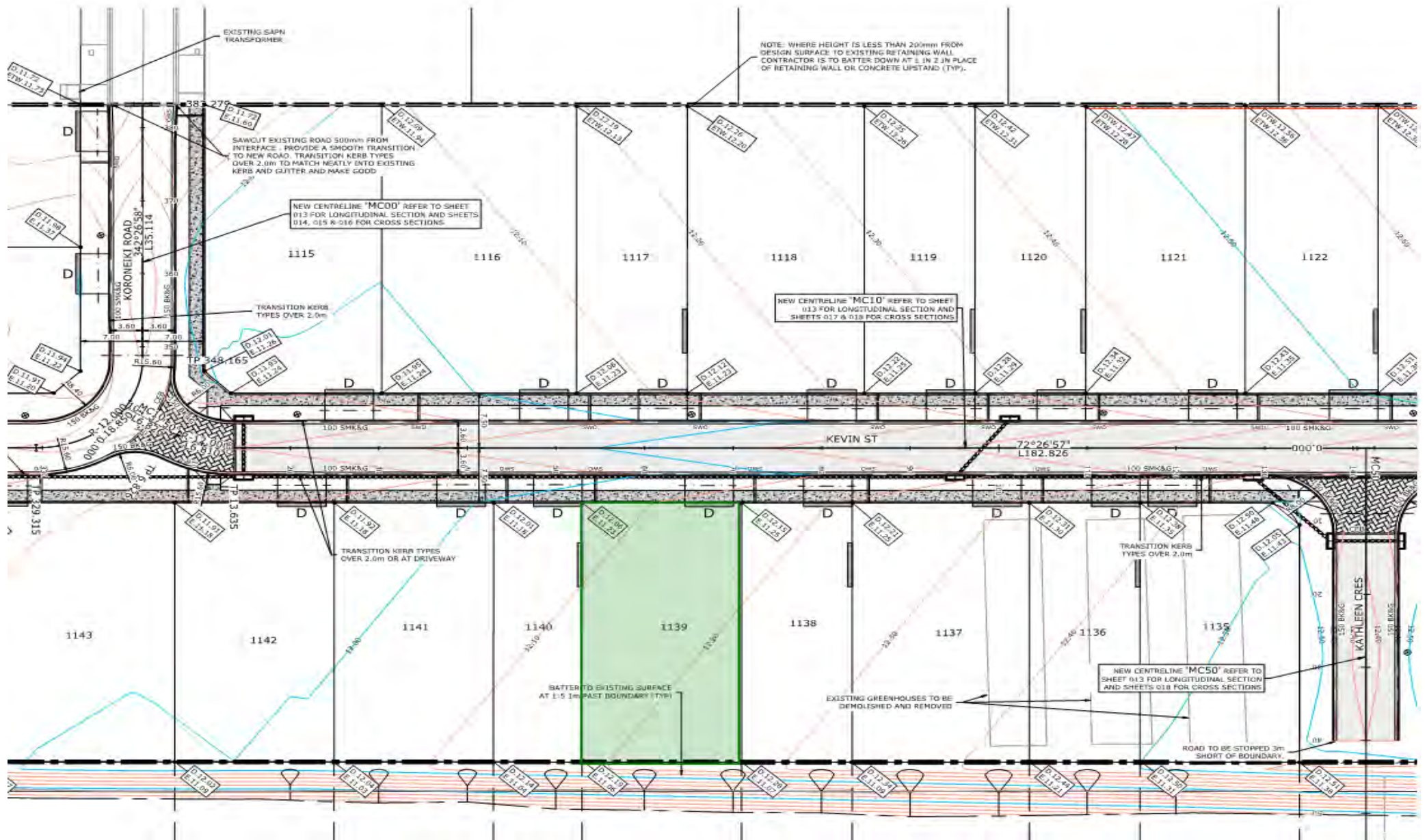
**SMS GEOTECHNICAL PTY LTD**




**Luke Garcia**  
Business Development Manager

**Attachments:**

1. Drawing SMS1.20377-F64.Rev0
2. Alexander Symonds Survey Consultants - pre-fill level survey Stage 9, Sheedy Road Virginia – drawing number 20A0272.C0009 Lot Subgrade Surface Rev A
3. Alexander Symonds Survey Consultants - post – fill level survey Stage 9, Sheedy Road Virginia – drawing number 20A0272.C0009 Lot Pre Topsoil Rev D.



 Approx. Fill Location

**SMS**  
**GEOTECHNICAL**  
*Quality in Construction*

|           |     |       |            |
|-----------|-----|-------|------------|
| Drawn:    | LG  | Date: | 24.02.2021 |
| Checked:  | DM  | Date: | 24.02.2021 |
| Revision: |     | Date: |            |
| Scale:    | NTS |       | A4         |

**SEM GROUP**  
**VIRGINIA GROVE STAGE 9**  
**VIRGINIA**  
**SITE PLAN**

|              |            |              |                     |
|--------------|------------|--------------|---------------------|
| Project No.: | SMS1.20377 | Drawing No.: | SMS1.20377-F64.Rev0 |
|--------------|------------|--------------|---------------------|



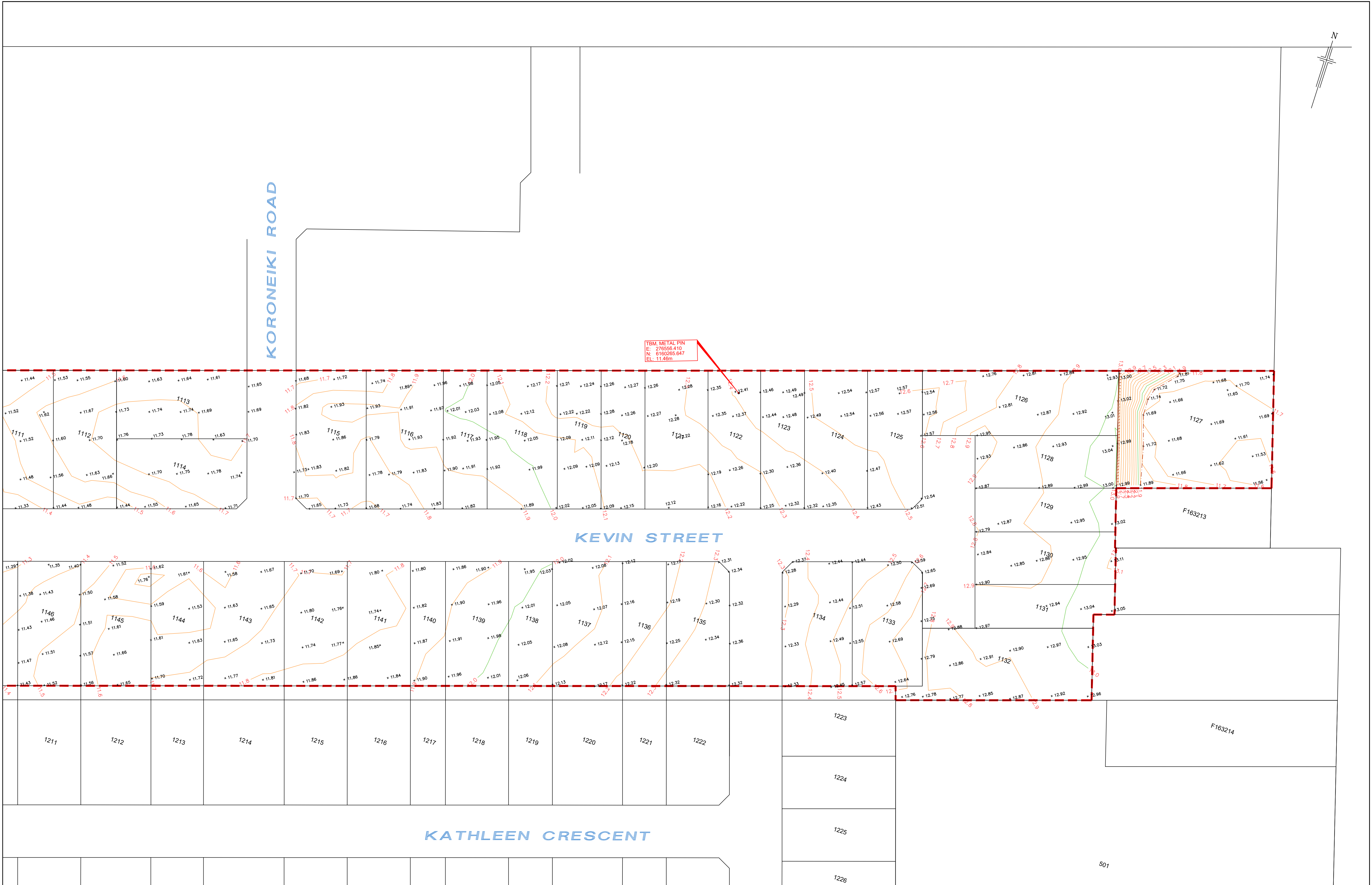


|   |  |            |                          |     |    |   |  |   |  |  |  |  |  |   |  |  |  |  |  |               |  |
|---|--|------------|--------------------------|-----|----|---|--|---|--|--|--|--|--|---|--|--|--|--|--|---------------|--|
| A |  | 21/09/2020 | ADDITIONAL DETAILS ADDED | JWS | JK | 47.51TK TOP KERB<br>47.36WT WATER TABLE<br>45.16FL FLOOR LEVEL<br>48.12IL INVERT LEVEL<br>or TAP<br>WATER METER<br>SPRINKLER / IRRIG VALVE<br>HYDRANT<br>DOMESTIC OUTLET<br>DOWNPIPE<br>DOMESTIC SUMP<br>STORMWATER M/HOLE<br>SEP / GRATING |  | <b>LEGEND</b><br>TEL COMM. PILLAR / PIT<br>TRAFFIC LIGHT<br>SIGN / BUS SIGN<br>LITTER BIN<br>MAIL BOX / SIGNAL BOX<br>TICKET MACHINE<br>ROAD / ELEC. SERVICE<br>WATER SV / FP<br>ELEC. / GAS METER<br>GAS SERVICE<br>PSM<br>PEG / TBM<br>SURVEY MARKS<br>BOREHOLE<br>POWER / LIGHT POLE<br>CABLE MARKER<br>STOBIE / WOODEN POLE<br>POST / BOLLARD<br>SEWER MH / IO / SIP<br>UNKNOWN POINT / SERVICE<br>EDGE OF VEGET.<br>ROAD SIGN / HOARD.<br>TREE / SHRUB<br>Possible REGULATED / SIGNIFICANT TREE by measurement only (trunk greater than 2.0m circumference). Professional advice from council / arborist required. |  | --- BOTTOM OF BANK<br>--- TOP OF BANK<br>--- CHANGE OF GRADE<br>--- DRAIN<br>--- SEWER PIPE UG<br>--- TEL. COMM. UG<br>--- WATER PIPE UG<br>--- BUILDING<br>--- WALL<br>--- GI BUILDING<br>--- CONCRETE<br>--- FENCE<br>--- GATE |  | <b>COORDINATE SYSTEM</b><br>VERTICAL: AHD<br>HORIZONTAL: GROUND PLANE ORIENTED TO: MGA 94 ZONE 54<br>SCALE: GROUND (CSF = 1.0002175)<br><b>ADOPTED STATION &amp; AUTHORITY</b><br>PSM 6628/33640 RL: 9.493m SDB<br>PSM 6628/33640 E: 275664.180 SDB<br>N: 6159821.144 SDB<br>SDB denotes SA Government survey data base values (Dated: / / 2015) |  | 0 5 10 20 30 40 50 m<br>1:500<br>ORIGINAL SHEET SIZE A1<br>© ALEXANDER & SYMONDS PTY. LTD.<br>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. |  | Alexander & Symonds Pty Ltd<br>11 King William Street Kent Town,<br>South Australia 5067<br>PO Box 1000 Kent Town, SA 5071<br>ABN 93007 753 988<br>T (08) 8130 1666<br>F (08) 8362 0099<br>W www.alexander.com.au<br>E adelaide@alexander.com.au<br>+ Property + Land Development +<br>+ Construction + Mining +<br>+ Spatial Information Management + |  | <b>PRE-FILL LEVEL SURVEY<br/>STAGE 9, SHEEDY ROAD<br/>VIRGINIA</b><br>DRAWING No. SHEET 1 OF 2<br>20A0272.C0009 Lot Subgrade Surface Rev A |  | REVISION<br>A |  |
|---|--|------------|--------------------------|-----|----|---|--|---|--|--|--|--|--|---|--|--|--|--|--|---------------|--|









|   |            |                             |
|---|------------|-----------------------------|
| A | 19.11.2020 | ADDITIONAL LOT LEVELS ADDED |
| B | 16.12.2020 | ADDITIONAL LOT LEVELS ADDED |
| C | 11.02.2021 | ADDITIONAL LOT LEVELS ADDED |
| D | 17.02.2021 | ADDITIONAL LOT LEVELS ADDED |

|                                     |      |             |
|-------------------------------------|------|-------------|
| REV                                 | DATE | DESCRIPTION |
| ADDITIONS, AMENDMENTS AND APPROVALS |      |             |

|     |     |
|-----|-----|
| JWS | RES |
| AL  | PSW |
| AMP | NM  |

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  
SURVEY MARKS  
BOREHOLE  
POWER / LIGHT POLE  
CABLE MARKER  
STOBIE / WOODEN POLE  
POST / BOLLARD  
SEWER MH / IO / SIP  
UNKNOWN POINT / SERVICE

PEG / TBM  
ROAD SIGN / HOARD.  
TREE / SHRUB  
Possibly REGULATED / SIGNIFICANT TREE by measurement only (trunk greater than 2.0m circumference). Professional advice from council / arborist required.

LEGEND

--- BOTTOM OF BANK  
--- TOP OF BANK  
--- CHANGE OF GRADE  
--- DRAIN  
--- SEWER PIPE UG  
--- TEL. COMM. UG  
--- WATER PIPE UG  
--- BUILDING  
--- WALL  
--- G.I. BUILDING  
--- CONCRETE  
--- FENCE  
----- GATE

|   |  |
|---|--|
| COORDINATE SYSTEM   |  |
| VERTICAL:   | AHD                                      |
| HORIZONTAL:   | GROUND PLANE ORIENTED TO: MGA 94 ZONE 54 |
| SCALE: GROUND (CSF = 1.0002175)                                     |  |
| ADOPTED STATION & AUTHORITY   |  |
| PSM 6628/33640  | RL: 9.493m SDB                           |
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|   | N: 6159821.144 SDB                       |
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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.  
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|                   |                    |
|-------------------|--------------------|
| CONTOUR INTERVAL: | MIN 0.1m; MAJ 1.0m |
| SURVEY:           | PSW 18.09.2020     |
| DRAWN:            | JWS 22.09.2020     |
| CHECKED:          | RES 22.09.2020     |

Alexander & Symonds Pty Ltd  
11 King William Street Kent Town,  
South Australia 5067  
PO Box 1000 Kent Town, SA 5071  
ABN 93007 753 988

**Alexander Symonds**  
Surveying Consultants

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| F | (08) 8362 0099            |
| W | www.alexander.com.au      |
| E | adelaide@alexander.com.au |

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

POST-FILL LEVEL SURVEY  
STAGE 9, SHEEDY ROAD  
VIRGINIA

DRAWING No. 20A0272.C0009 Lot Pre Topsoil Rev D

SHEET 2 OF 2

REVISION  
D