25th February 2021 **Reference No. SMS1.20377-L65.Rev0**

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

LOT 1118 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 1118 Kevin Street on the above project in Virginia, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20377-F65.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 6th August 2020 and 12th 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 1118 Kevin Street as shown in Drawing SMS1.20377-F65.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.

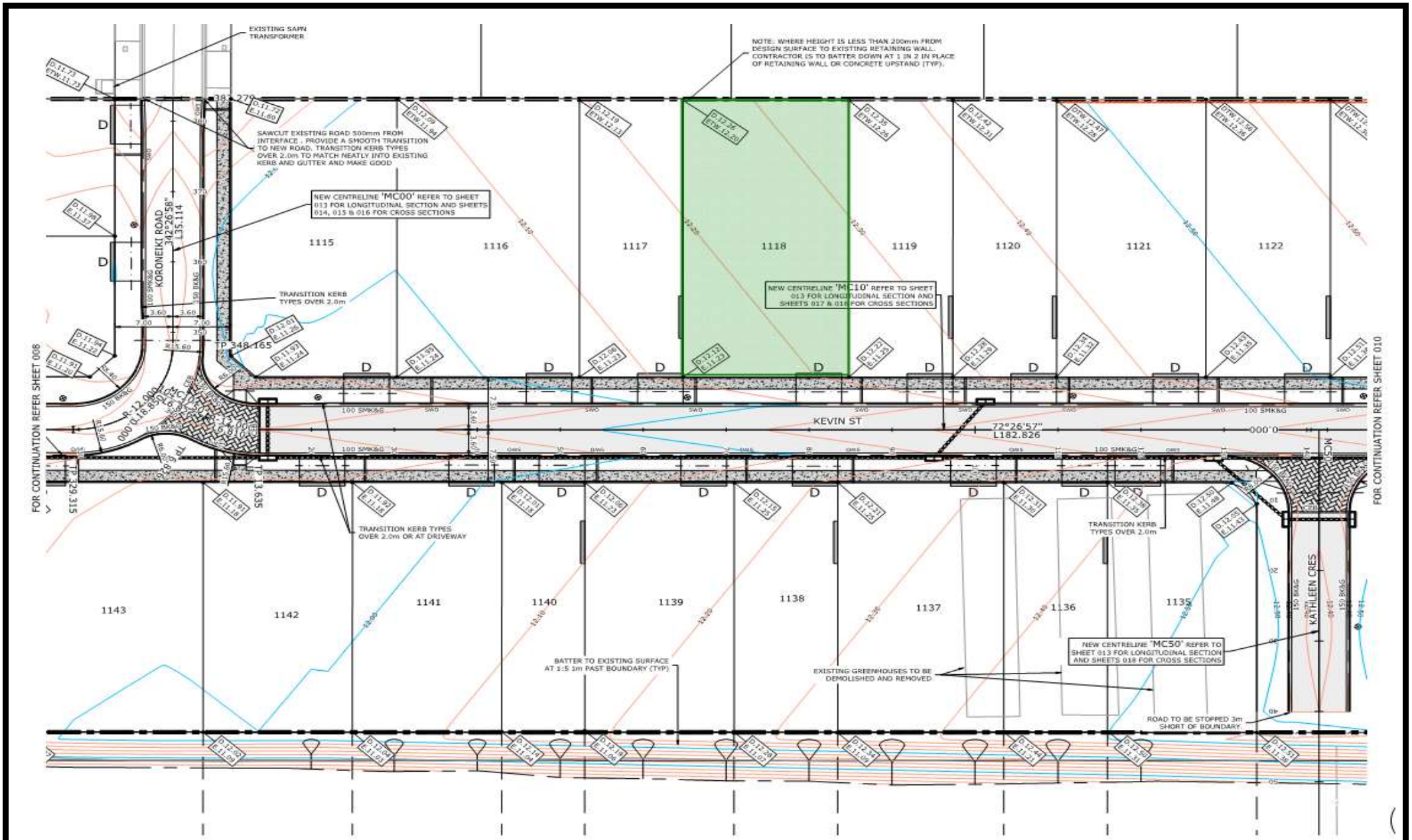
SMS GEOTECHNICAL PTY LTD

Luke Garcia
Business Development Manager

Attachments:

1. Drawing SMS1.20377-F65.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.

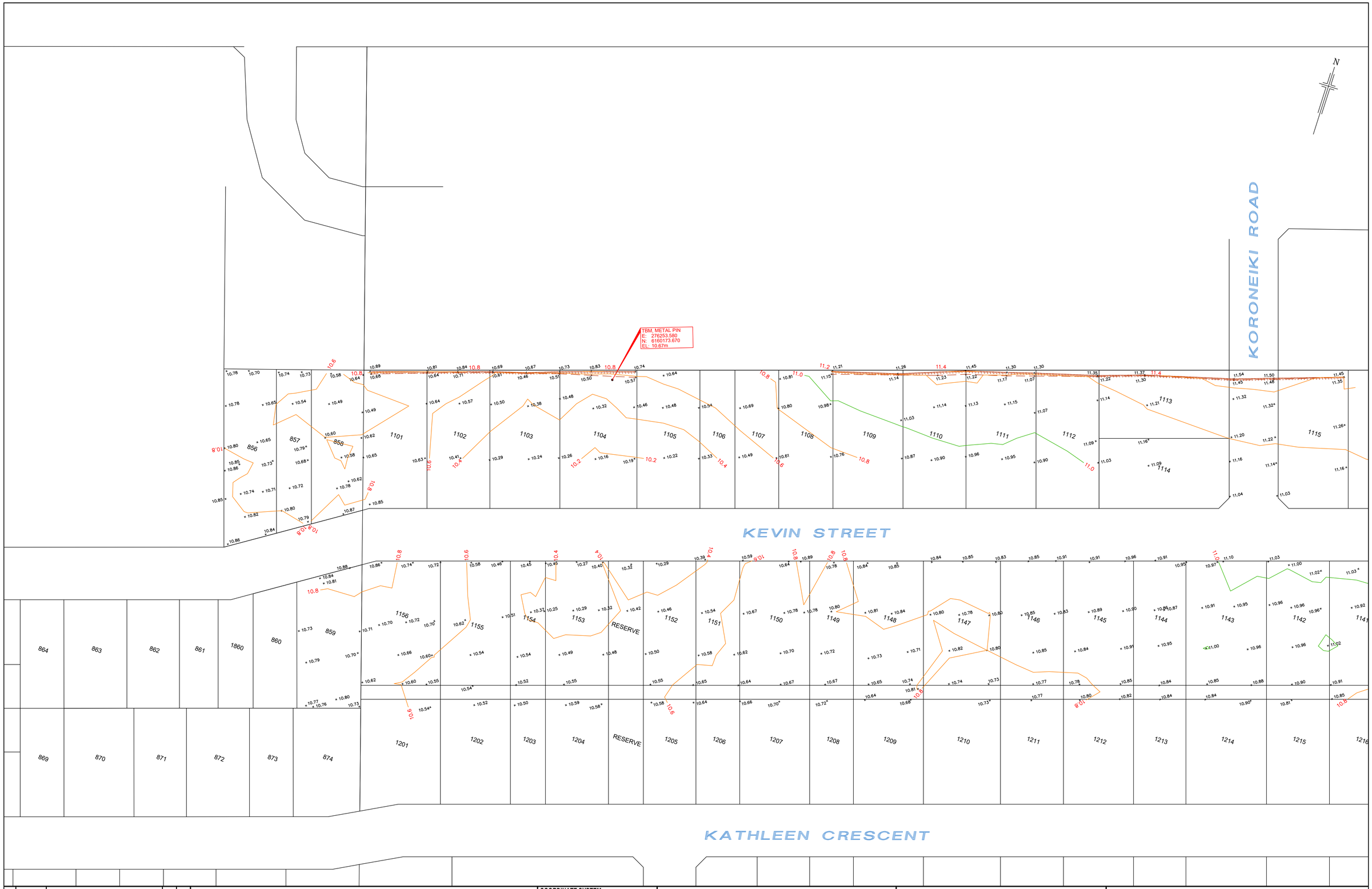
Unit 9, 21 Beafield Road, Para Hills West, SA, 5096
Phone: 08 8258 7498
lgarcia@smsgeotechnical.com.au
ABN 12 163 918 358



Approx. Fill Location

SMS GEOTECHNICAL
Quality in Construction

Drawn: LG	Date: 25.02.2021	SEM GROUP VIRGINIA GROVE STAGE 9 VIRGINIA SITE PLAN	
Checked: DM	Date: 25.02.2021		
Revision:	Date:		
Scale: NTS	A4	Project No.: SMS1.20377	Drawing No.: SMS1.20377-F65.Rev0



REV	DATE	DESCRIPTION	CALC	FIELD
A	21/09/2020	ADDITIONAL DETAILS ADDED	JWS	JK

ADDITIONS, AMENDMENTS AND APPROVALS

LEGEND

- 47.51TK TOP KERB
- 47.36WT WATER TABLE
- 45.16FL FLOOR LEVEL
- 48.12IL INVERT LEVEL
- TAP
- WATER METER
- SPRINKLR / IRRIG VALVE
- HYDRANT
- DOMESTIC OUTLET
- DOWNPIPE
- DOMESTIC SUMP
- STORMWATER M'HOLE
- SEP / GRATING
- TEL. COMM. PILLAR / PIT
- TRAFFIC LIGHT
- SIGN / BUS SIGN
- LITTER BIN
- 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
- STOBIE / WOODEN POLE
- POST / BOLLARD
- SEWER MH / IO / SIP
- UNKNOWN POINT / SERVICE
- EDGE OF VEGETN
- 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

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
PSM 6628/33640	E:	275664.180	SDB
	N:	6159821.144	SDB

SDB denotes SA Government survey data base values (Dated: / / 2015)

0 5 10 20 30 40 50 m

1:500

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ORIGINAL SHEET SIZE A1

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:		MIN 0.2m; MAJ 1.0m	
SURVEY:	BMD	25.08.2020	
DRAWN:	JWS	26.08.2020	
CHECKED:	RES	26.08.2020	

Alexander & Symonds Pty Ltd
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PO Box 1000 Kent Town, SA 5071
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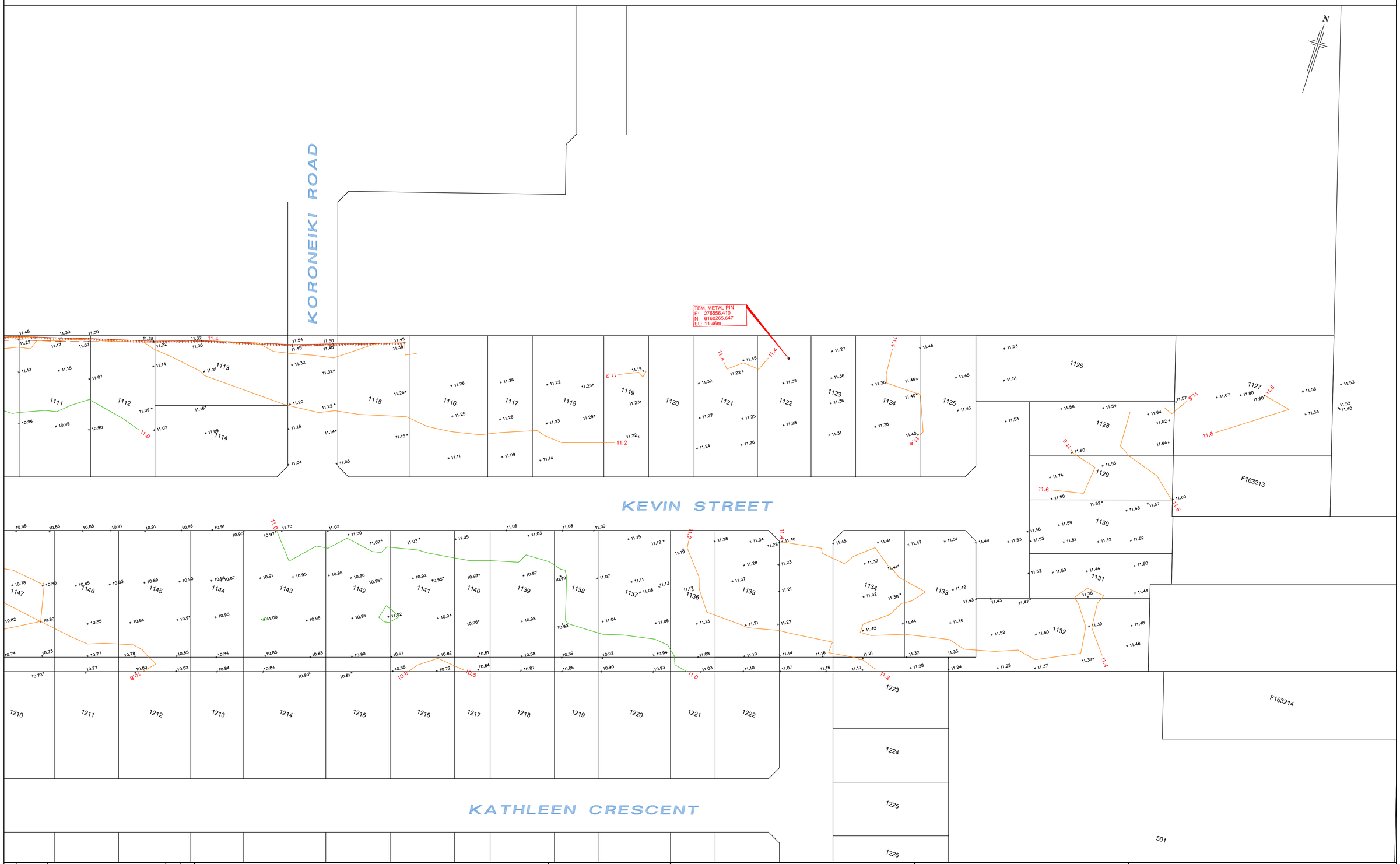
Alexander Symonds Surveying Consultants

PRE-FILL LEVEL SURVEY
STAGE 9, SHEEDY ROAD
VIRGINIA

DRAWING No. 20A0272.C0009 Lot Subgrade Surface Rev A

SHEET 1 OF 2

REVISION A



REV	DATE	DESCRIPTION	CALC	FIELD
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ADDITIONS, AMENDMENTS AND APPROVALS

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- TEL. COMM. PILLAR / PIT
- TRAFFIC LIGHT
- SIGN / BUS SIGN
- LITTER BIN
- MAIL BOX / SIGNAL BOX
- TICKET MACHINE
- ROAD / ELEC. SERVICE
- WATER SV / FP
- ELEC. / GAS METER
- GAS SERVICE
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- PEG / TBM
- SURVEY MARKS
- BOREHOLE
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- CABLE MARKER
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- POST / BOLLARD
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- TEL. COMM. UG
- WATER PIPE UG
- BUILDING
- WALL
- GI 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

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PSM 6628/33640	E:	275664.180	SDB
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PRE-FILL LEVEL SURVEY
STAGE 9, SHEEDY ROAD
VIRGINIA

DRAWING No. 20A0272.C0009 Lot Subgrade Surface Rev A

SHEET 2 OF 2

REVISION A

REV	DATE	DESCRIPTION	CALC	FIELD
A	19.11.2020	ADDITIONAL LOT LEVELS ADDED	JWS	RES
B	16.12.2020	ADDITIONAL LOT LEVELS ADDED	JWS	RES
C	11.02.2021	ADDITIONAL LOT LEVELS ADDED	AL	PSW
D	17.02.2021	ALLOTMENT LEVELS FOR 1127 ADDED	AMP	NM

ADDITIONS, AMENDMENTS AND APPROVALS

LEGEND

47.51TK TOP KERB
47.36WT WATER TABLE
45.16FL FLOOR LEVEL
48.12IL INVERT LEVEL
TAP
WATER METER
SPRINKLR / IRRIG VALVE
HYDRANT
DOMESTIC OUTLET
DOWNPIPE
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PSM
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COORDINATE SYSTEM

VERTICAL:	AHD
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SCALE: GROUND	(CSF = 1.0002175)

ADOPTED STATION & AUTHORITY

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PSM 6628/33640	E:	275664.180	SDB
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DRAWN:	JWS	22.09.2020
CHECKED:	RES	22.09.2020

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POST-FILL LEVEL SURVEY
STAGE 9, SHEEDY ROAD
VIRGINIA

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

SHEET 1 OF 2

REVISION D

REV	DATE	DESCRIPTION	CALC	FIELD
A	19.11.2020	ADDITIONAL LOT LEVELS ADDED	JWS	RES
B	16.12.2020	ADDITIONAL LOT LEVELS ADDED	JWS	RES
C	11.02.2021	ADDITIONAL LOT LEVELS ADDED	AL	PSW
D	17.02.2021	ALLOTMENT LEVELS FOR 1127 ADDED	AMP	NM

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COORDINATE SYSTEM

VERTICAL:	AHD
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SCALE: GROUND	(CSF = 1.0002175)

ADOPTED STATION & AUTHORITY

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POST-FILL LEVEL SURVEY
STAGE 9, SHEEDY ROAD
VIRGINIA

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

SHEET 2 OF 2

REVISION D