

24th February 2021

Reference No. SMS1.20377-L49.Rev0

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

LOT 1124 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 1124 Kevin Street on the above project in Virginia, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20377-F49.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.

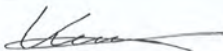
SMS conducted in situ density testing to AS1289.5.8.1 at randomly selected locations throughout areas in which fill was placed as per frequencies outlined in AS3798-2007. The density test results have been issued separately to SEM and are retained in our project file. The required laboratory dry density 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 1124 Kevin Street as shown in Drawing SMS1.20377-F49.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.

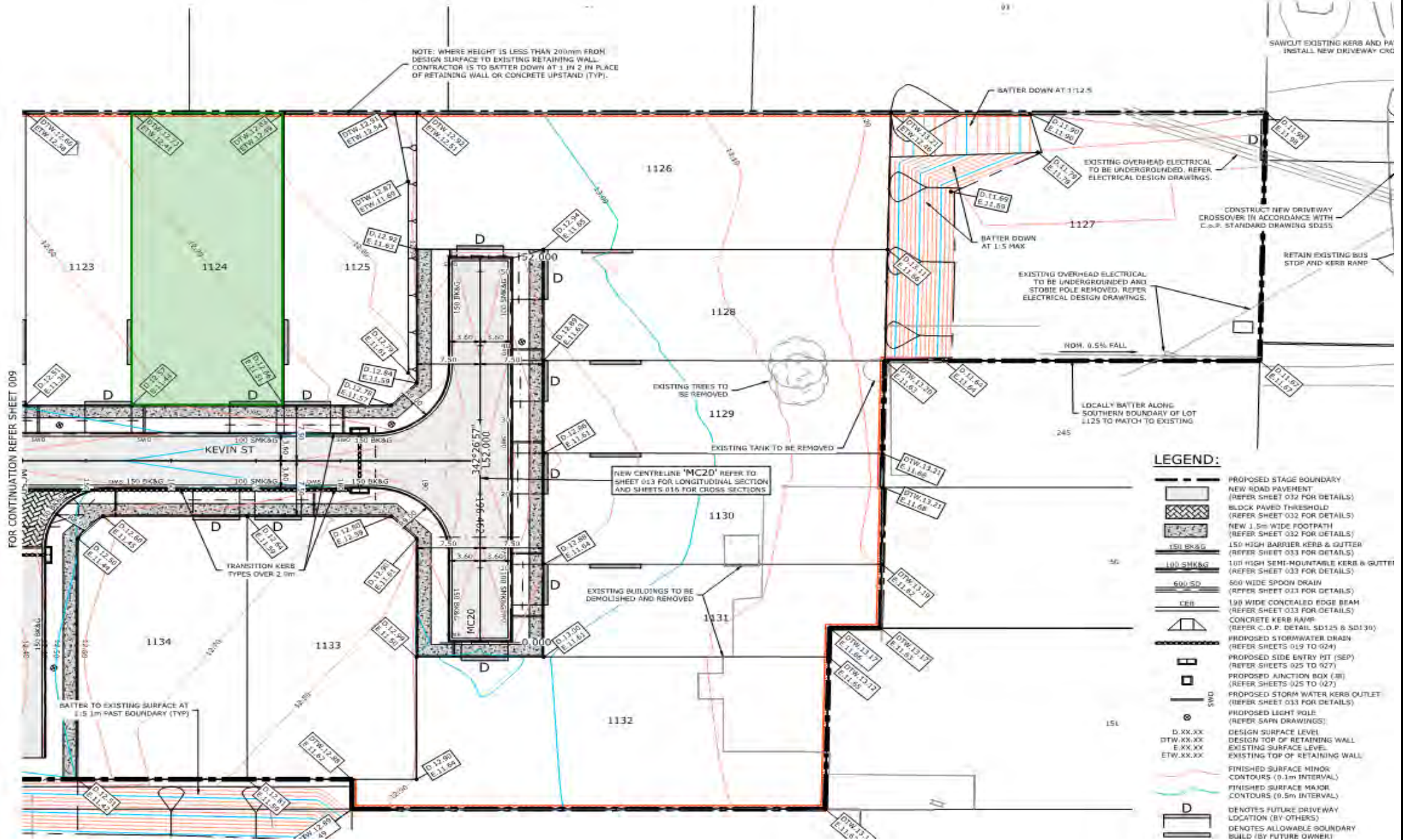
SMS GEOTECHNICAL PTY LTD



Luke Garcia
Business Development Manager

Attachments:

1. Drawing SMS1.20377-F49.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

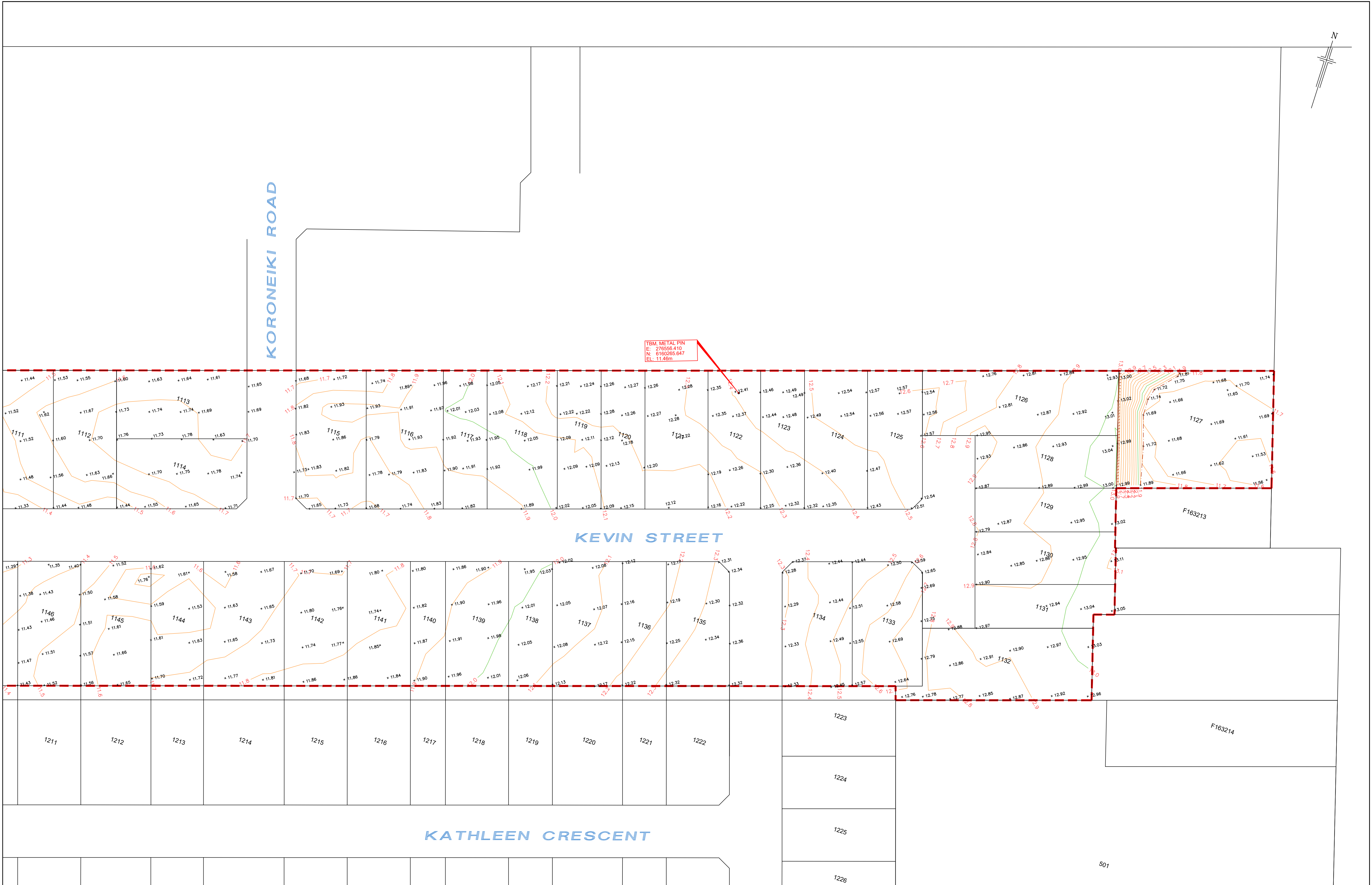
Drawn:	LG	Date:	24.02.2021
Checked:	DM	Date:	24.02.2021
Revision:		Date:	
Scale:	NTS		A4

SEM GROUP
VIRGINIA GROVE STAGE 9
VIRGINIA
SITE PLAN

Project No.:	SMS1.20377	Drawing No.:	SMS1.20377-F49.Rev0
--------------	------------	--------------	---------------------



A		21/09/2020	ADDITIONAL DETAILS ADDED	JWS	JK	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		LEGEND 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 VEGET. 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 --- 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 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.		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 +		Alexander Symonds Surveying Consultants		PRE-FILL LEVEL SURVEY STAGE 9, SHEEDY ROAD VIRGINIA DRAWING No. SHEET 1 OF 2 20A0272.C0009 Lot Subgrade Surface Rev A		REVISION 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	ALLOTMENT LEVELS FOR 1127 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

TEL COMM. PILLAR / PIT
TRAFFIC LIGHT
SIGN / BUS SIGN
MAIL BOX / SIGNAL BOX
TICKET MACHINE
ROAD / ELEC. SERVICE
DOMESTIC SUMP
WATER SV / FP
ELEC. / GAS METER
GAS SERVICE

TEL COMM. PILLAR / PIT
TRAFFIC LIGHT
SIGN / BUS SIGN
MAIL BOX / SIGNAL BOX
TICKET MACHINE
ROAD / ELEC. SERVICE
DOMESTIC SUMP
WATER SV / FP
ELEC. / GAS METER
GAS SERVICE

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

EDGE OF VEGET.
ROAD SIGN / HOARD.
TREE / SHRUB
Possibly 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)

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.

0 5 10 20 30 40 50 m
1:500
ORIGINAL SHEET SIZE A1

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

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 +

POST-FILL LEVEL SURVEY
STAGE 9, SHEEDY ROAD
VIRGINIA

DRAWING No. SHEET 2 OF 2
20A0272.C0009 Lot Pre Topsoil Rev D

REVISION
D