

24<sup>th</sup> February 2021

Reference No. SMS1.20377-L45.Rev0

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

**LOT 1120 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 1120 Kevin Street on the above project in Virginia, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20377-F45.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.

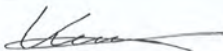
SMS conducted in situ density testing to AS1289.5.8.1 at randomly selected locations throughout areas in which fill was placed as per frequencies outlined in AS3798-2007. The density test results have been issued separately to SEM and are retained in our project file. The required laboratory dry density 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 1120 Kevin Street as shown in Drawing SMS1.20377-F45.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.

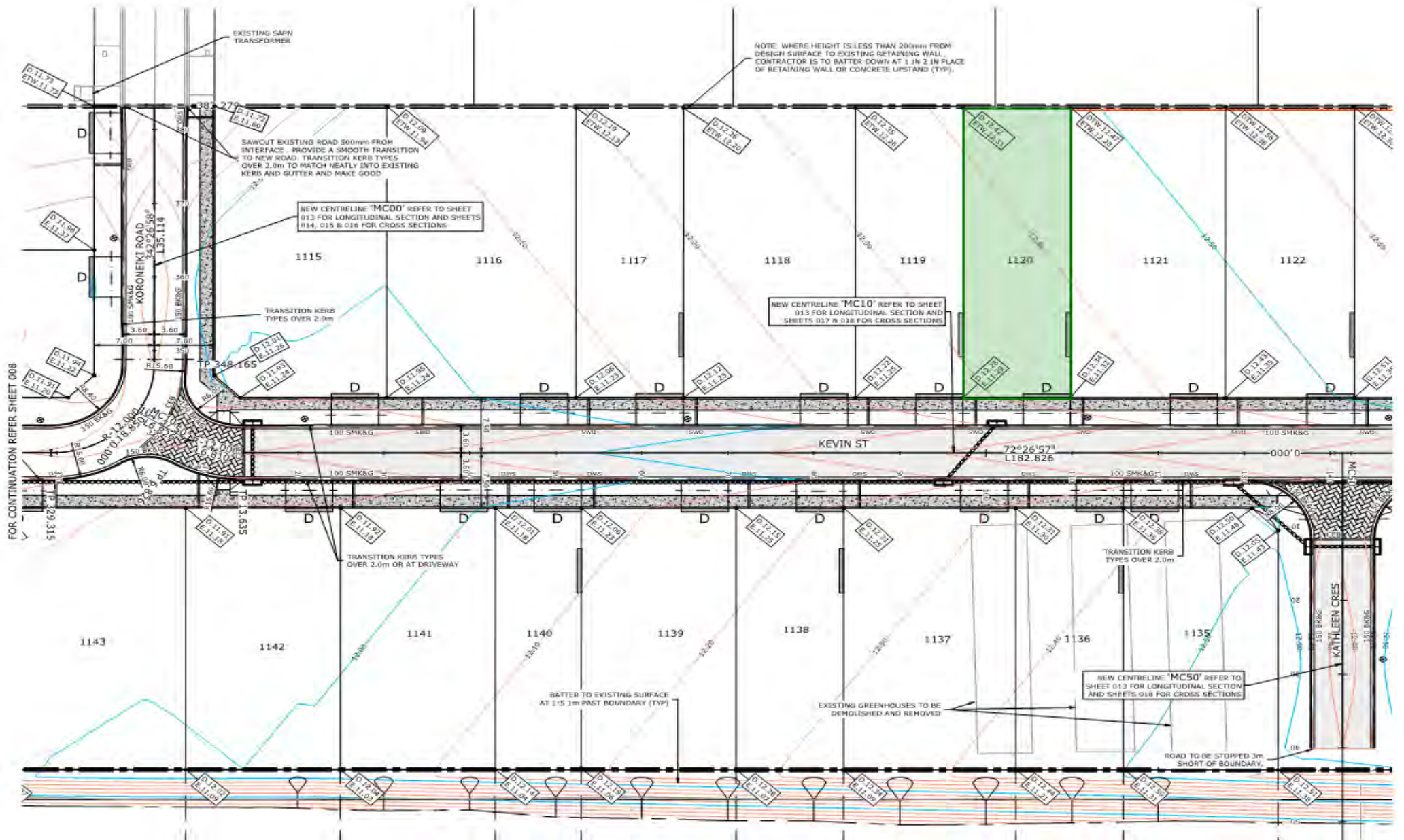
**SMS GEOTECHNICAL PTY LTD**



**Luke Garcia**  
Business Development Manager

**Attachments:**

1. Drawing SMS1.20377-F45.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.



FOR CONTINUATION REFER SHEET 008



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-F45.Rev0
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A

21/09/2020

ADDITIONAL DETAILS ADDED

REV

DATE

DESCRIPTION

ADDITIONS, AMENDMENTS AND APPROVALS

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

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 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  
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.

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

0 5 10 20 30 40 50 m

1:500

ORIGINAL SHEET SIZE A1

Alexander & Symonds Pty Ltd  
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+ Property + Land Development +  
+ Construction + Mining +  
+ Spatial Information Management +

Alexander Symonds  
Surveying Consultants

PRE-FILL LEVEL SURVEY  
STAGE 9, SHEEDY ROAD  
VIRGINIA

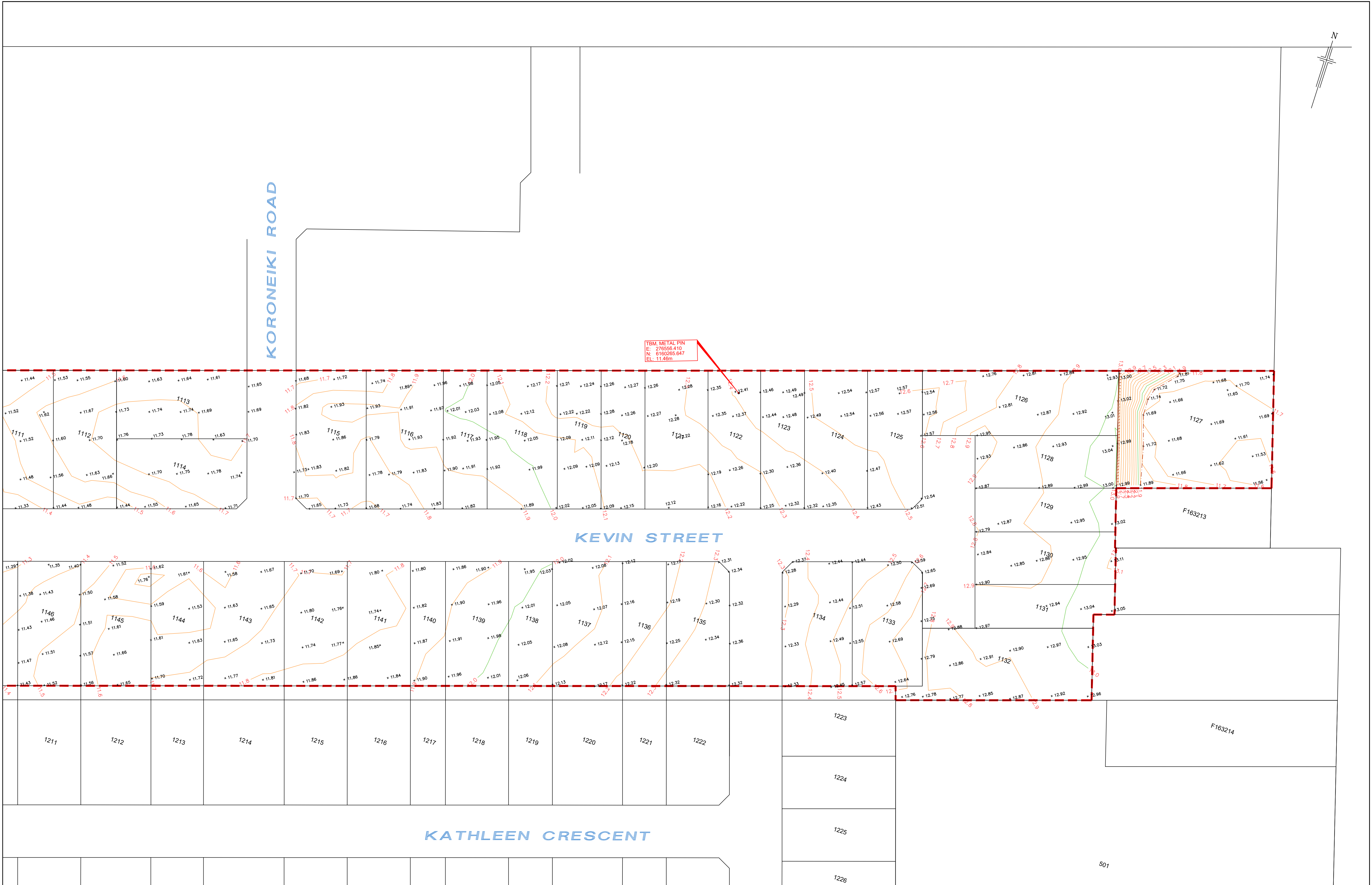
DRAWING No. SHEET 1 OF 2  
20A0272.C0009 Lot Subgrade Surface Rev A

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

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

SPRINKLER / IRRIG VALVE

HYDRANT

DOMESTIC OUTLET

DOWNPIPE

DOMESTIC SUMP

WATER SV / FP

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

PEG / TBM

SURVEY MARKS

BOREHOLE

POWER / LIGHT POLE

CABLE MARKER

STOBIE / WOODEN POLE

POST / BOLLARD

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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

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+ Property + Land Development +

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POST-FILL LEVEL SURVEY

STAGE 9, SHEEDY ROAD

VIRGINIA

DRAWING No. SHEET 2 OF 2

20A0272.C0009 Lot Pre Topsoil Rev D

REVISION

D