

24th February 2021

Reference No. SMS1.20377-L51.Rev0

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

LOT 1126 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 1126 Kevin Street on the above project in Virginia, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20377-F51.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.

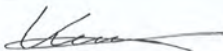
SMS conducted in situ density testing to AS1289.5.8.1 at randomly selected locations throughout areas in which fill was placed as per frequencies outlined in AS3798-2007. The density test results have been issued separately to SEM and are retained in our project file. The required laboratory dry density 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 1126 Kevin Street as shown in Drawing SMS1.20377-F51.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.

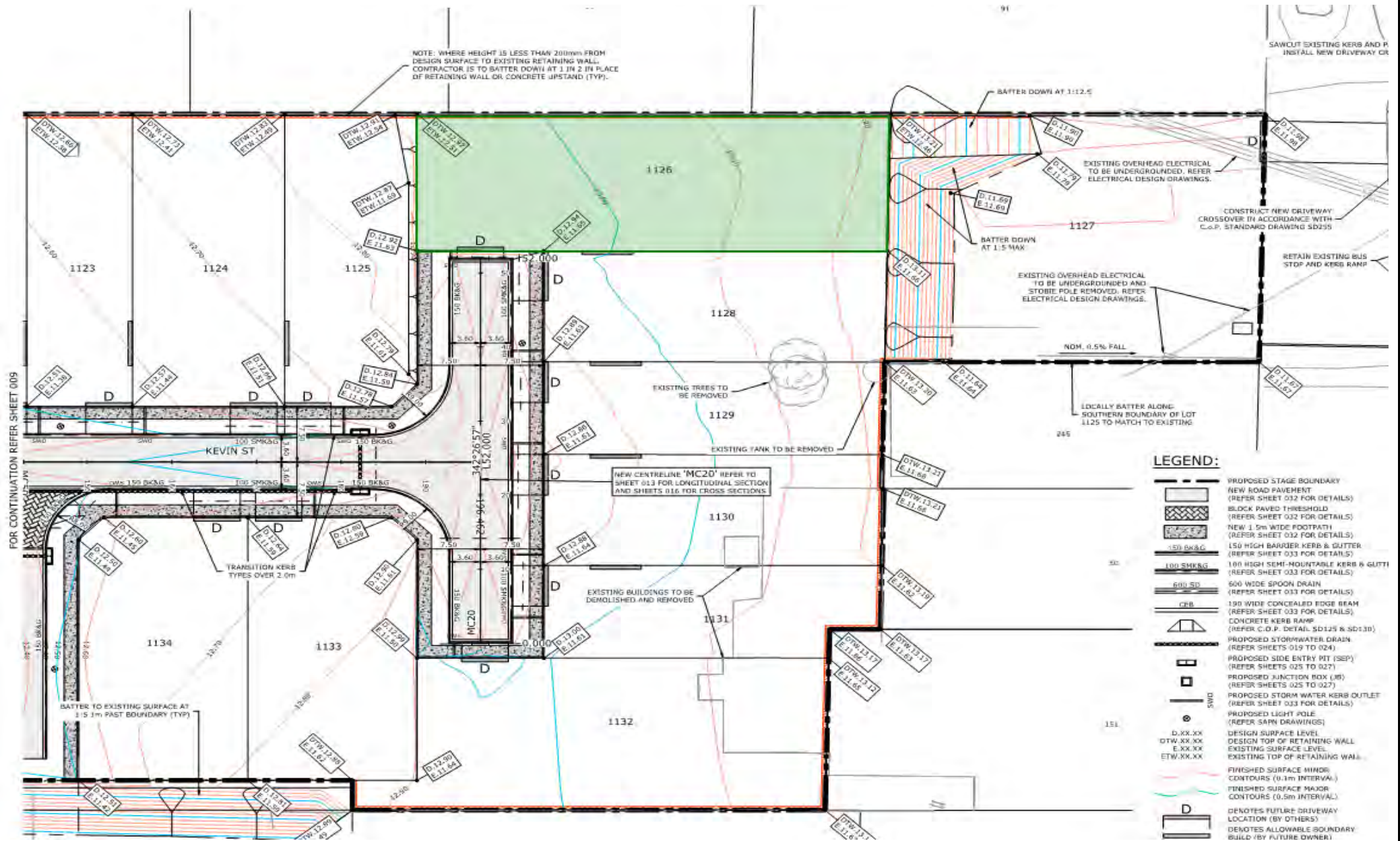
SMS GEOTECHNICAL PTY LTD



Luke Garcia
Business Development Manager

Attachments:

1. Drawing SMS1.20377-F51.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-F51.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.

0 5 10 20 30 40 50 m

1:500

ORIGINAL SHEET SIZE A1

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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

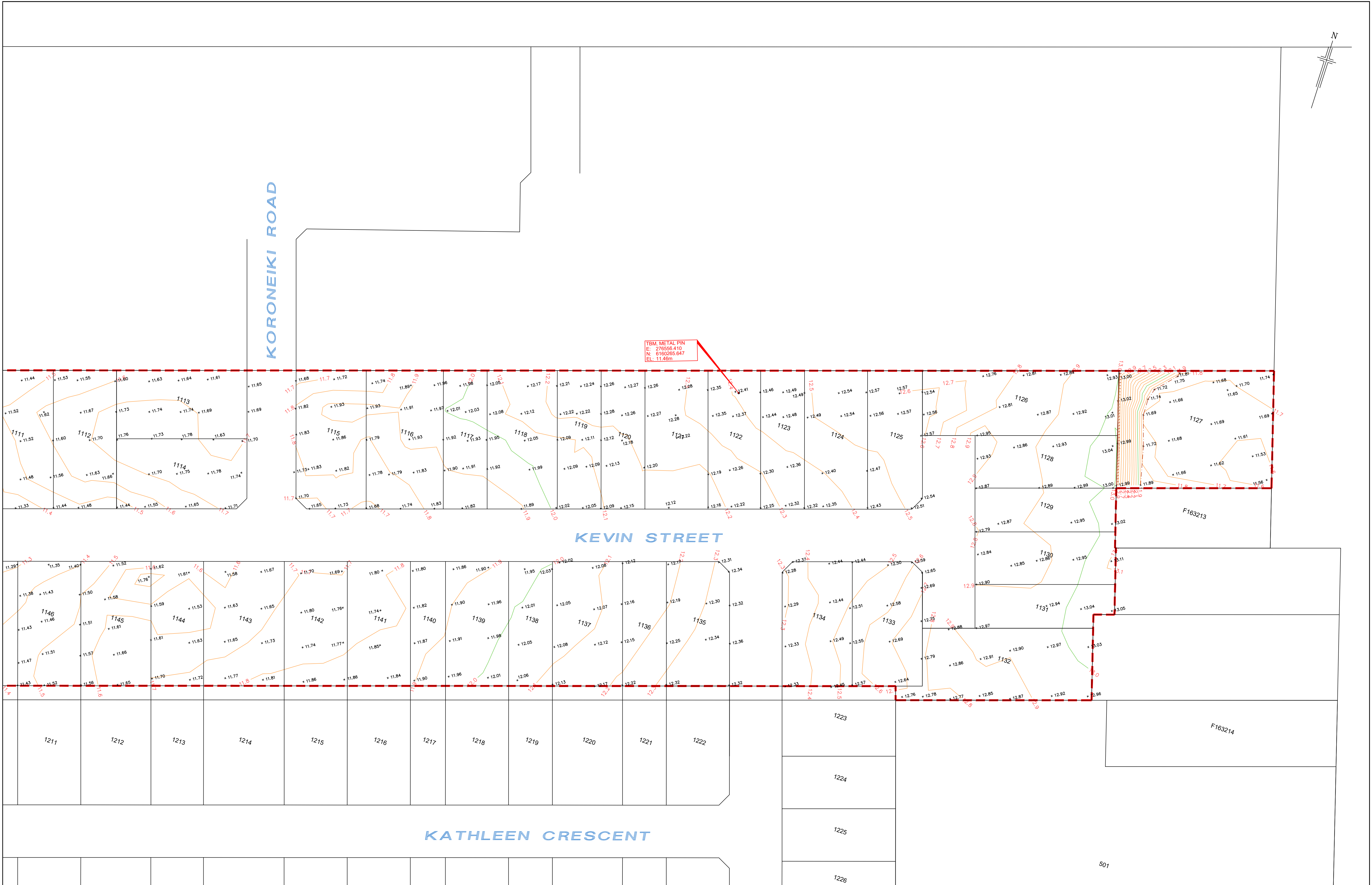
DRAWING No.

20A0272.C0009 Lot Subgrade Surface Rev A

SHEET 1 OF 2

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
JWS	AL
AMP	PSW
NM	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

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COORDINATE SYSTEM	
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051020

Alexander Symonds

Surveying Consultants

0 5 10 20 30 40 50 m

1:500

ORIGINAL SHEET SIZE A1

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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

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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