

24th February 2021

Reference No. SMS1.20377-L54.Rev0

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

LOT 1129 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 1129 Kevin Street on the above project in Virginia, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.20377-F54.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.

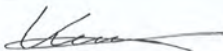
SMS conducted in situ density testing to AS1289.5.8.1 at randomly selected locations throughout areas in which fill was placed as per frequencies outlined in AS3798-2007. The density test results have been issued separately to SEM and are retained in our project file. The required laboratory dry density 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 1129 Kevin Street as shown in Drawing SMS1.20377-F54.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.

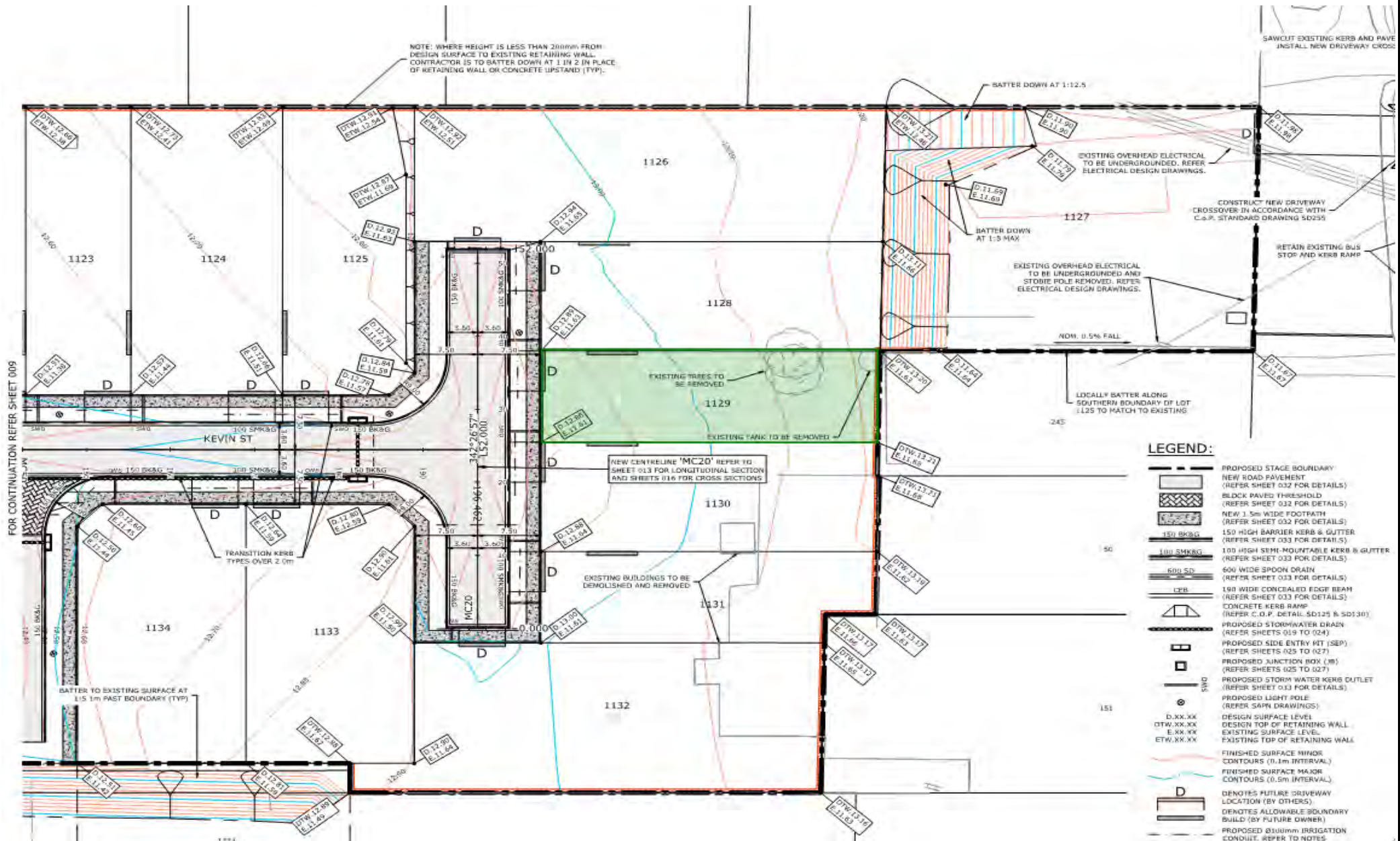
SMS GEOTECHNICAL PTY LTD



Luke Garcia
Business Development Manager

Attachments:

1. Drawing SMS1.20377-F54.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
GEO TECHNICAL
Quality in Construction

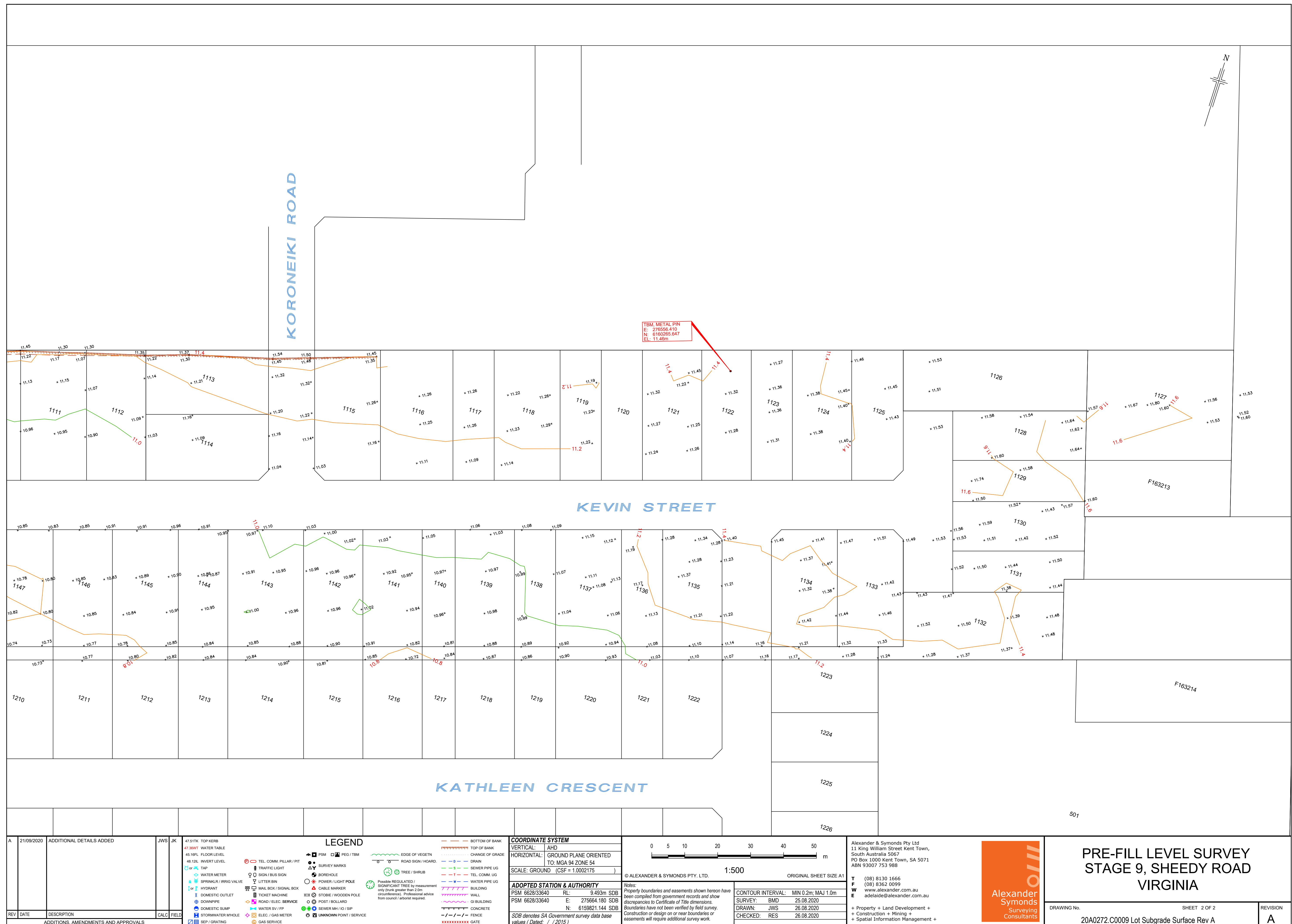
Drawn:	LG	Date:	24.02.2021
Checked:	DM	Date:	24.02.2021
Revision:		Date:	
Scale:	NTS		A4

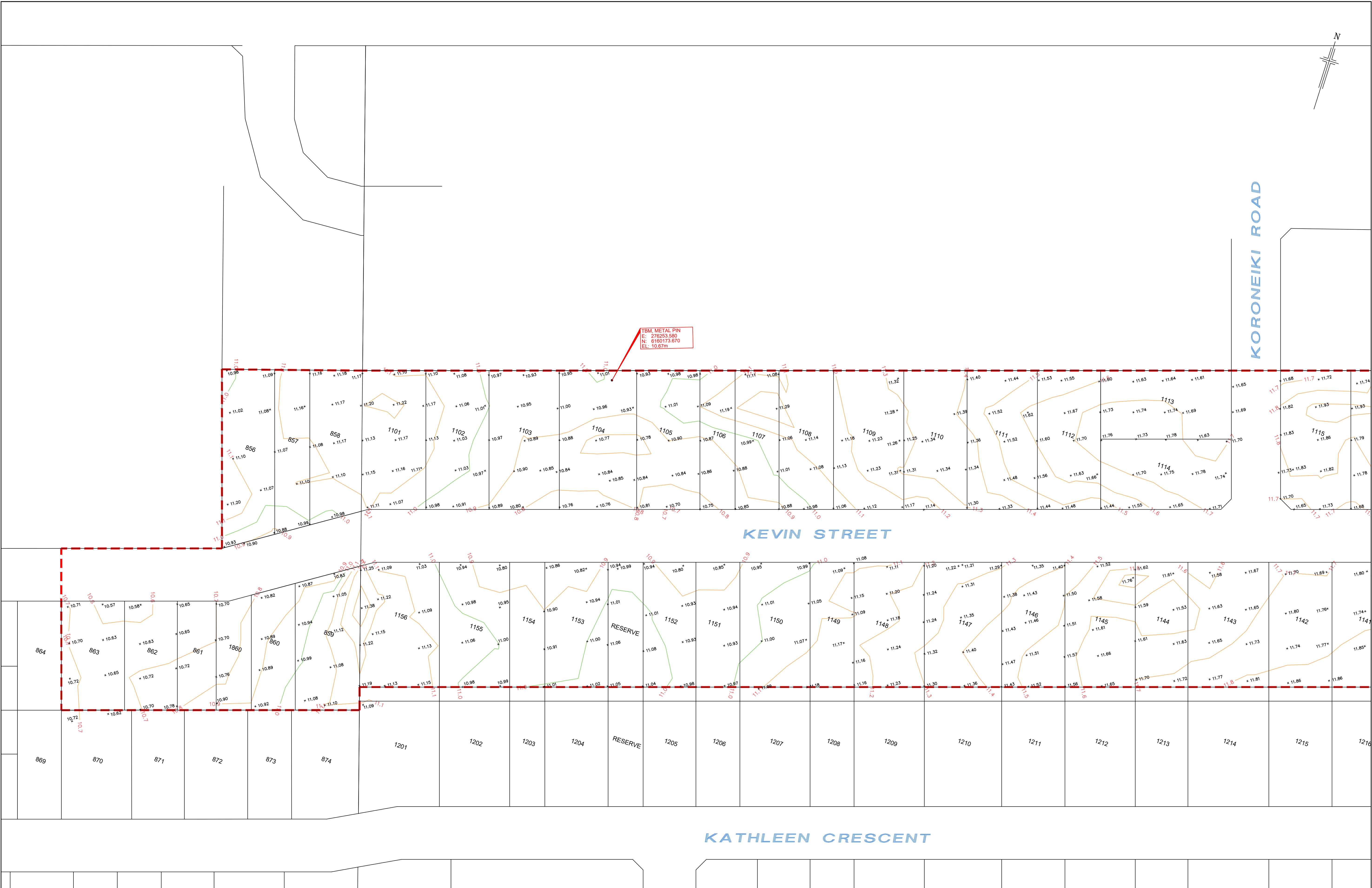
SEM GROUP
VIRGINIA GROVE STAGE 9
VIRGINIA
SITE PLAN

Project No.:	SMS1.20377	Drawing No.:	SMS1.20377-F54.Rev0
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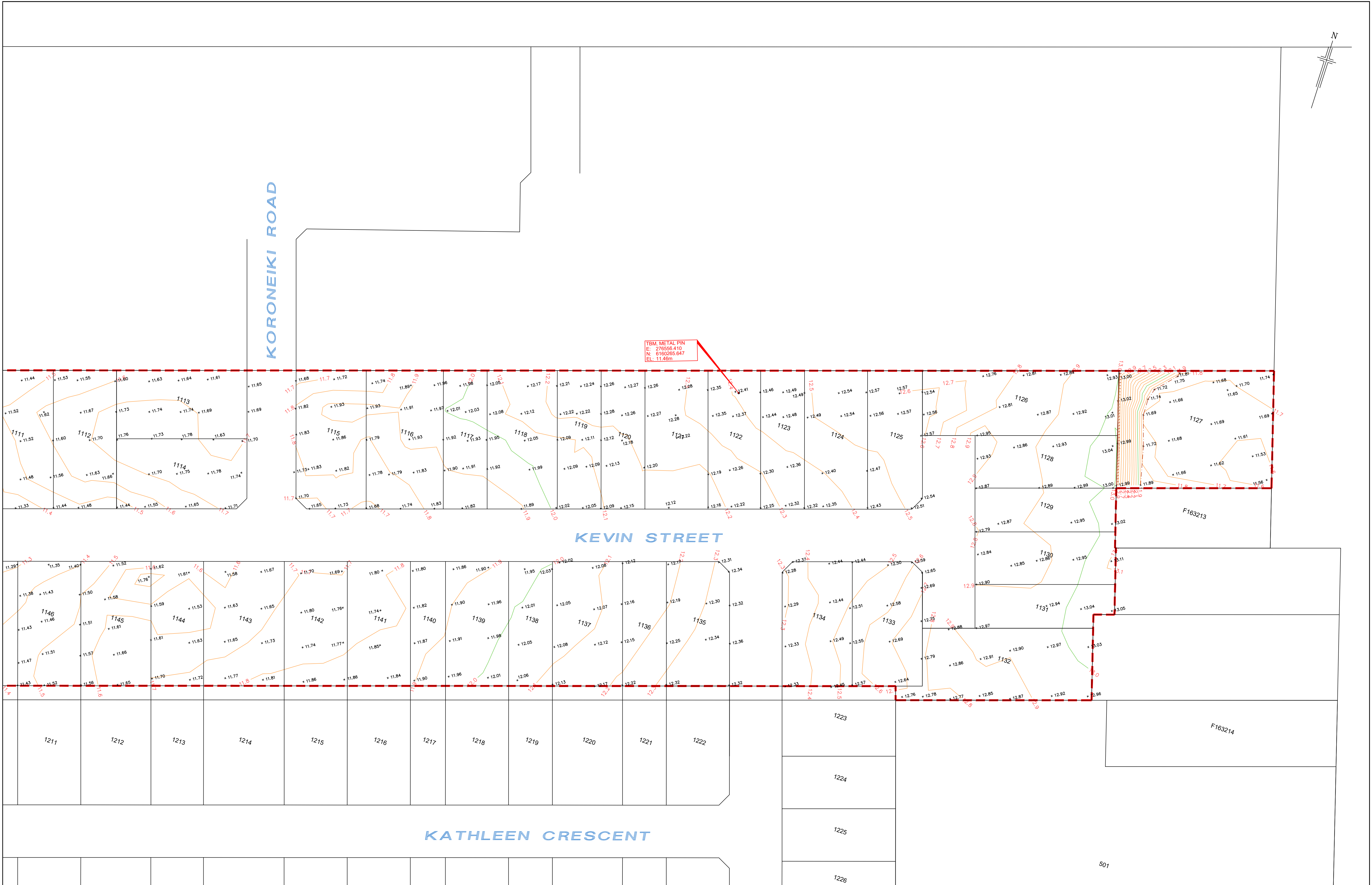


A		21/09/2020	ADDITIONAL DETAILS ADDED	JWS	JK	47.51TK TOP KERB 47.36WT WATER TABLE 45.16FL FLOOR LEVEL 48.12IL INVERT LEVEL or TAP WATER METER SPRINKLER / IRRIG VALVE HYDRANT DOMESTIC OUTLET DOWNPIPE DOMESTIC SUMP STORMWATER M/HOLE SEP / GRATING		LEGEND PSM PEG / TBM SURVEY MARKS BOREHOLE POWER / LIGHT 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 --- 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 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	
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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 or 47.51TK TOP KERB 47.36WT WATER TABLE 45.16FL FLOOR LEVEL 48.12IL INVERT LEVEL	LEGEND TEL. COMM. PILLAR / PIT TRAFFIC LIGHT SIGN / BUS SIGN LITTER BIN MAIL BOX / SIGNAL BOX TICKET MACHINE ROAD / ELEC. SERVICE WATER SV / FP STORMWATER M/HOLE ELEC. / GAS METER GAS SERVICE PSM PEG / TBM BOREHOLE POWER / LIGHT POLE CABLE MARKER 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.		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.		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 1 OF 2 20A0272.C0009 Lot Pre Topsoil Rev D REVISION D	
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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
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

PEG / TBM

SURVEY MARKS

BOREHOLE

POWER / LIGHT POLE

CABLE MARKER

STONE / 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)	

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.
Construction or design on or near boundaries or easements will require additional survey work.

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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+ Property + Land Development +

+ Construction + Mining +

+ Spatial Information Management +

Alexander Symonds

Surveying Consultants

POST-FILL LEVEL SURVEY
STAGE 9, SHEEDY ROAD
VIRGINIA

DRAWING No.

20A0272.C0009 Lot Pre Topsoil Rev D

SHEET 2 OF 2

REVISION

D