

0	28.03.2023	INITIAL RELEASE	PTR	JJK
REV	DATE	DESCRIPTION	CALC	FIELD
ADDITIONS, AMENDMENTS AND APPROVALS				

LEGEND	
47.81TK TOP KERB	47.81TK TOP KERB
47.36WY WATER TABLE	47.36WY WATER TABLE
45.16FL FLOOR LEVEL	45.16FL FLOOR LEVEL
48.12IL INVERT LEVEL	48.12IL INVERT LEVEL
TEL. COMM. PILLAR / PIT	TEL. COMM. PILLAR / PIT
TRAFFIC LIGHT	TRAFFIC LIGHT
SIGN / BUS SIGN	SIGN / BUS SIGN
BOREHOLE	BOREHOLE
POWER / LIGHT POLE	POWER / LIGHT POLE
CABLE MARKER	CABLE MARKER
STONE / WOODEN POLE	STONE / WOODEN POLE
POST / BOLLARD	POST / BOLLARD
SEWER RM / IO / SIP	SEWER RM / IO / SIP
UNKNOWN POINT / SERVICE	UNKNOWN POINT / SERVICE
WATER METER	WATER METER
SPRING / IRRIG VALVE	SPRING / IRRIG VALVE
HYDRANT	HYDRANT
DOMESTIC OUTLET	DOMESTIC OUTLET
DOWNPIPE	DOWNPIPE
DOMESTIC SUMP	DOMESTIC SUMP
WATER SV / FP	WATER SV / FP
STORMWATER MHOLE	STORMWATER MHOLE
SEP / GRATING	SEP / GRATING
PSM	PSM
PEG / TBM	PEG / TBM
SURVEY MARKS	SURVEY MARKS
EDGE OF VEGETATION	EDGE OF VEGETATION
ROAD SIGN / HOARD	ROAD SIGN / HOARD
TREE / SHRUB	TREE / SHRUB
REGULATED / SIGNIFICANT TREE	REGULATED / SIGNIFICANT TREE
CHANGE OF GRADE	CHANGE OF GRADE
DRAIN	DRAIN
SEWER PIPE UG	SEWER PIPE UG
TEL. COMM. UG	TEL. COMM. UG
WATER PIPE UG	WATER PIPE UG
BUILDING	BUILDING
WALL	WALL
GI BUILDING	GI BUILDING
CONCRETE	CONCRETE
FENCE	FENCE
GATE	GATE

COORDINATE SYSTEM	
VERTICAL:	AHD
HORIZONTAL:	GROUND PLANE ORIENTED TO: MGA 94 ZONE 54
SCALE: GROUND	(CSF = 1.00001432)
ADOPTED STATION & AUTHORITY	
PSM 6627/14632	RL: 333.940 SDB
PSM 6627/1838	E: 305442.936 SDB
	N: 6115502.053 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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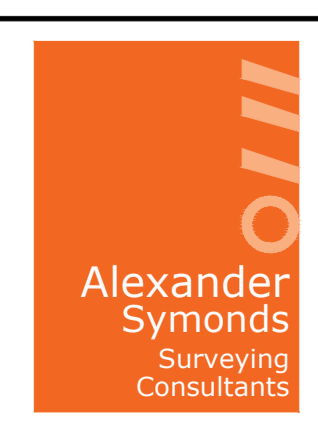
Notes:  
Property boundaries and easements shown hereon have been compiled from government records and show discrepancies to Certificate of Title dimensions. Boundaries have not been verified by field survey. Construction or design on or near boundaries or easements will require additional survey work.

CONTOUR INTERVAL:	Maj 2.00m & Min 0.50m
SURVEY:	JJK 24.10.2022
DRAWN:	PTR 28.03.2023
CHECKED:	RES 28.03.2023

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W www.alexander.com.au  
E adelaide@alexander.com.au

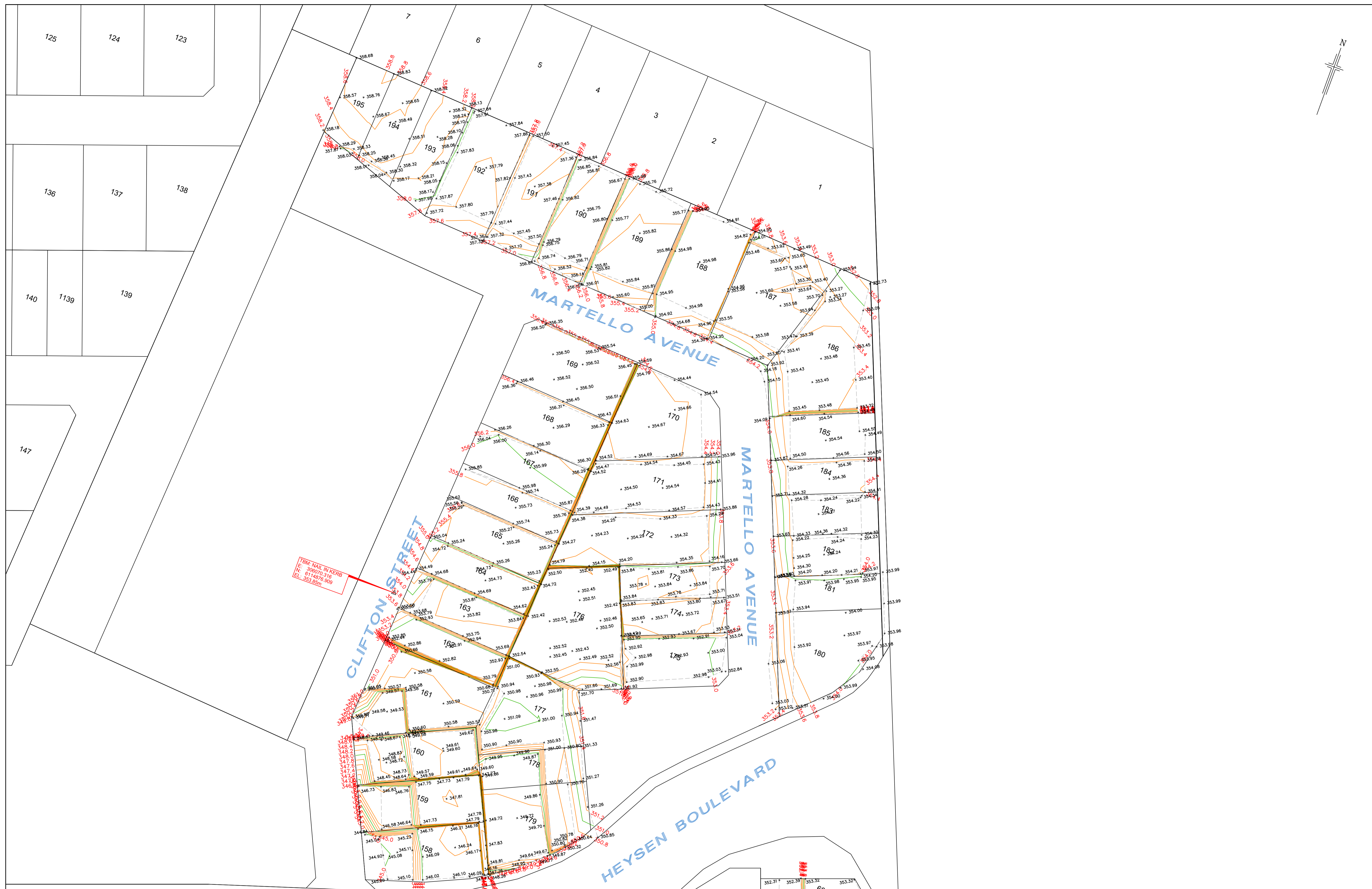
+ Property + Land Development +  
+ Construction + Mining +  
+ Spatial Information Management +



**POST TOPSOIL STRIP SURVEY  
STAGE 5C2 & 6F1, BLUESTONE  
MOUNT BARKER**

DRAWING No. SHEET 1 OF 2 REVISION  
20A1791.C5C2&6F1 Post Topsoil strip (0) 0





B.M. NAIL IN KERB  
 E. 306970.516  
 N. 61144876.800  
 EL. 353.85m

0	24.04.2023	INITIAL RELEASE	JJK	JJK
REV	DATE	DESCRIPTION	CALC	FIELD
ADDITIONS, AMENDMENTS AND APPROVALS				

LEGEND	
47.81TK TOP KERB	PSM PEG / TBM
47.89V1 WATER TABLE	BOREHOLE
45.16FL FLOOR LEVEL	POWER / LIGHT POLE
48.12IL INVERT LEVEL	CABLE MARKER
TEL COMM. PILLAR / PIT	STONE / WOODEN POLE
TRAFFIC LIGHT	POST / BOLLARD
SURVEY MARKS	WATER SV / FP
SIGN / BUS SIGN	STORMWATER WHOLE
LITTER BIN	ELEC. / GAS METER
MAIL BOX / SIGNAL BOX	GAS SERVICE
TICKET MACHINE	
ROAD / ELEC. SERVICE	
WATER SV / FP	
STORMWATER WHOLE	
SEP / GRATING	
EDGE OF VEGETATION	
ROAD SIGN / HOARD	
TREE / SHRUB	
PROBABLE 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	
WALL	
GI BUILDING	
CONCRETE	
FENCE	
GATE	

COORDINATE SYSTEM	
VERTICAL:	AHD
HORIZONTAL:	GROUND PLANE ORIENTED TO: MGA 94 ZONE 54
SCALE:	GROUND (CSF = 1.00001432)
<b>ADOPTED STATION &amp; AUTHORITY</b>	
PSM 6627/14632	RL: 333.940 SDB
PSM 6627/1838	E: 305442.936 SDB
	N: 6115502.053 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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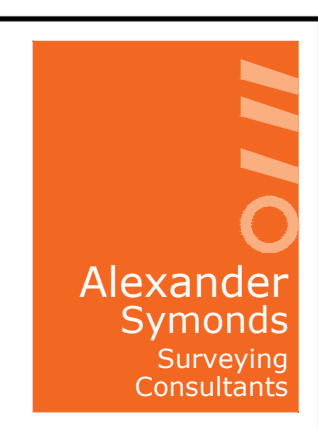
Notes:  
 Property boundaries and easements shown hereon have been compiled from government records and show discrepancies to Certificate of Title dimensions. Boundaries have not been verified by field survey. Construction or design on or near boundaries or easements will require additional survey work.

CONTOUR INTERVAL:	Min: 0.2m & Maj: 1.0m
SURVEY:	JJK 20.04.2023
DRAWN:	JJK 24.04.2023
CHECKED:	JJK 24.04.2023

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 E adelaide@alexander.com.au

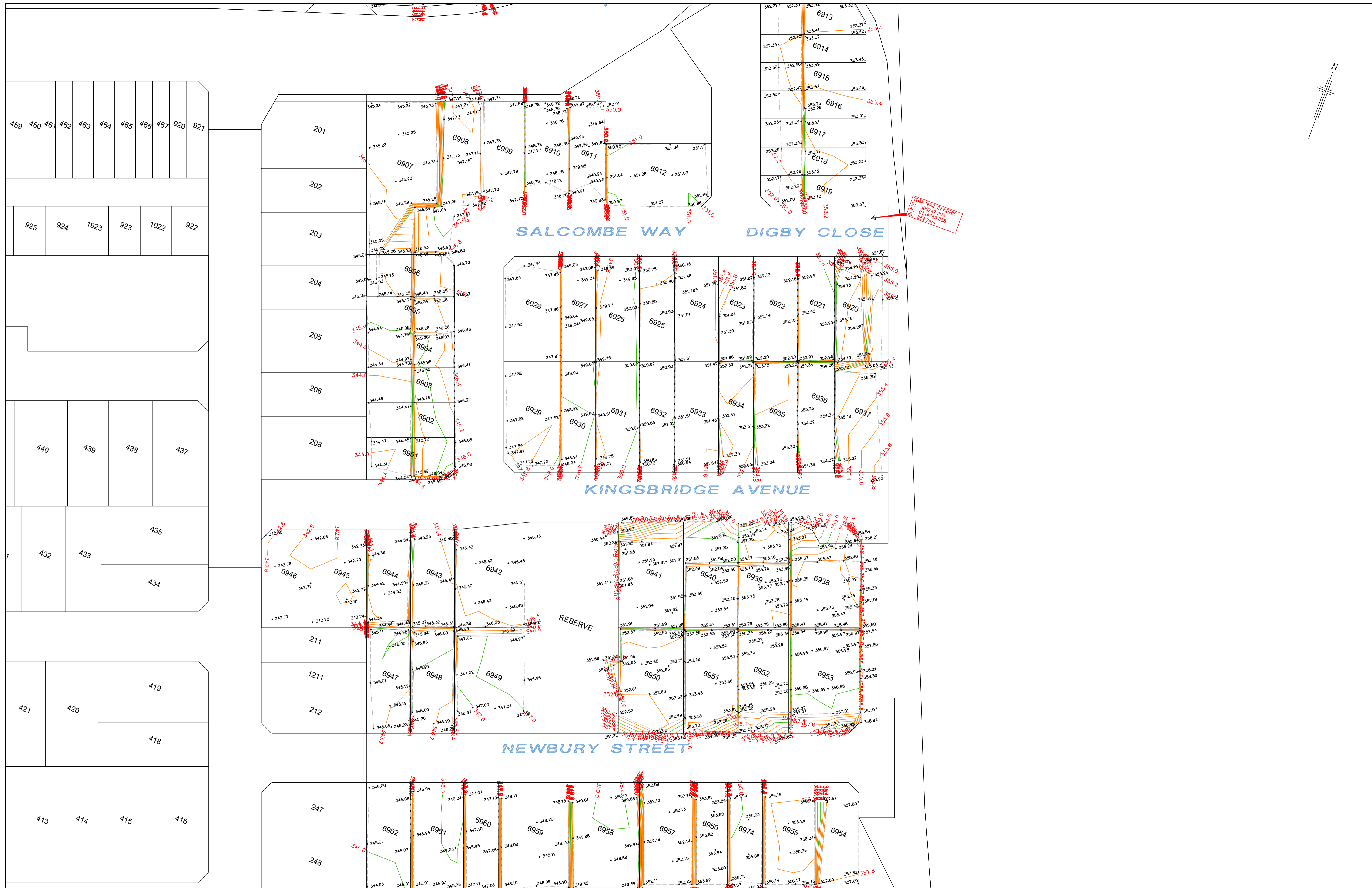
+ Property + Land Development +  
 + Construction + Mining +  
 + Spatial Information Management +



**POST FILL POST TOPSOIL SURVEY**  
**STAGE 5C2 & 6F1**  
**BLUESTONE, MOUNT BARKER**

DRAWING No. SHEET 1 OF 2 REVISION

20A1791.C6F1&5C2 Post fill Post topsoil (0) 0



0	24.04.2023	INITIAL RELEASE	JJK	JJK
REV	DATE	DESCRIPTION	CALC	FIELD
ADDITIONS, AMENDMENTS AND APPROVALS				

### LEGEND

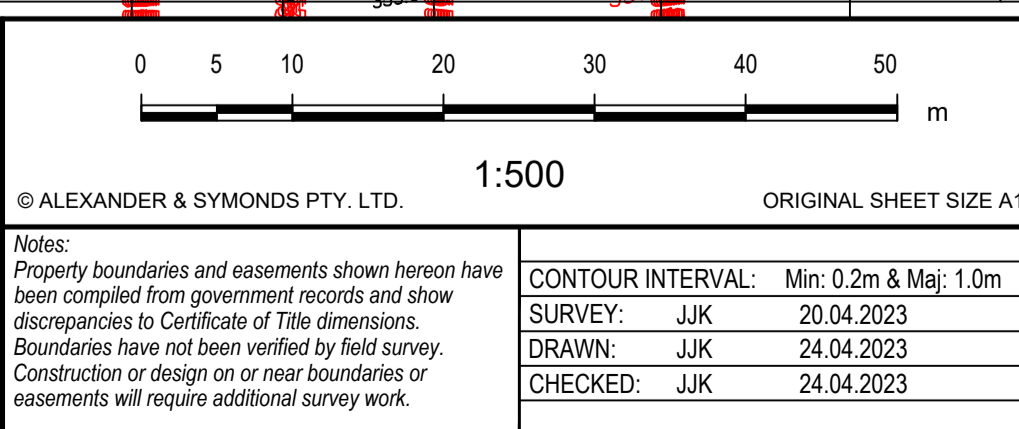
<ul style="list-style-type: none"> <li>47.81TK TOP KERB</li> <li>47.36WY WATER TABLE</li> <li>45.16FL FLOOR LEVEL</li> <li>48.12IL INVERT LEVEL</li> <li>TEL COMM. PILLAR / PIT</li> <li>TRAFFIC LIGHT</li> <li>SIGN / BUS SIGN</li> <li>LITTER BIN</li> <li>MAIL BOX / SIGNAL BOX</li> <li>TICKET MACHINE</li> <li>POST / BOLLARD</li> <li>WATER SV / FP</li> <li>STORMWATER WHOLE</li> <li>SEP / GRATING</li> </ul>	<ul style="list-style-type: none"> <li>PSM</li> <li>PEG / TBM</li> <li>SURVEY MARKS</li> <li>BOREHOLE</li> <li>POWER LIGHT POLE</li> <li>CABLE MARKER</li> <li>STONE / WOODEN POLE</li> <li>POST / BOLLARD</li> <li>SEWER RM / IO / SIP</li> <li>UNKNOWN POINT / SERVICE</li> </ul>	<ul style="list-style-type: none"> <li>EDGE OF VEGET.</li> <li>ROAD SIGN / HOARD.</li> <li>TREE / SHRUB</li> <li>PROBABLE REGULATED / SIGNIFICANT TREE by measurement only (trunk greater than 2.0m circumference). Professional advice from council / arborist required.</li> </ul>	<ul style="list-style-type: none"> <li>BOTTOM OF BANK</li> <li>TOP OF BANK</li> <li>CHANGE OF GRADE</li> <li>DRAIN</li> <li>SEWER PIPE UG</li> <li>TEL COMM. UG</li> <li>WATER PIPE UG</li> <li>BUILDING</li> <li>WALL</li> <li>GI BUILDING</li> <li>CONCRETE</li> <li>FENCE</li> <li>GATE</li> </ul>
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### COORDINATE SYSTEM

VERTICAL: AHD  
 HORIZONTAL: GROUND PLANE ORIENTED TO: MGA 94 ZONE 54  
 SCALE: GROUND (CSF = 1.00001432)

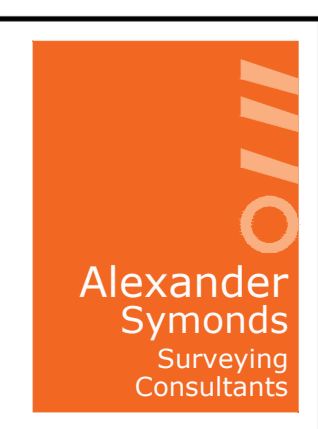
### ADOPTED STATION & AUTHORITY

PSM 6627/14632 RL: 333.940 SDB  
 PSM 6627/1838 E: 305442.936 SDB  
 N: 6115502.053 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: JJK 20.04.2023
DRAWN: JJK 24.04.2023
CHECKED: JJK 24.04.2023



## POST FILL POST TOPSOIL SURVEY STAGE 5C2 & 6F1 BLUESTONE, MOUNT BARKER

DRAWING No. 20A1791.C6F1&5C2 Post fill Post topsoil (0) SHEET 2 OF 2 REVISION 0

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+ Property + Land Development +  
 + Construction + Mining +  
 + Spatial Information Management +

**Ref.: BMD.P556 & 579.Lot 158**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 158 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8158 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 158 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1581.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1581.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 159**  
Contact: Chris Jeisman

26/04/2023

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Phone: 08 8159 3932

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Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 159 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1591.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1591.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 160**  
Contact: Chris Jeisman

26/04/2023

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Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 160 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1601.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1601.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 161**  
Contact: Chris Jeisman

26/04/2023

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Level 1 Supervision & Inspection of  
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Phone: 08 8161 3932

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Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 161 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1611.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1611.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



**Ref.: BMD.P556 & 579.Lot 162**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
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Level 1 Supervision & Inspection of  
**LOT 162 – Bluestone – Stage 5C2 & 6F1**

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Phone: 08 8162 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 162 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1621.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1621.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 163**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
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Level 1 Supervision & Inspection of  
**LOT 163 – Bluestone – Stage 5C2 & 6F1**

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Phone: 08 8163 3932

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Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 163 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1631.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1631.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 164**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
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Level 1 Supervision & Inspection of  
**LOT 164 – Bluestone – Stage 5C2 & 6F1**

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Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 164 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1641.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1641.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 165**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
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Level 1 Supervision & Inspection of  
**LOT 165 – Bluestone – Stage 5C2 & 6F1**

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Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 165 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1651.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1651.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 166**  
Contact: Chris Jeisman

26/04/2023

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Level 1 Supervision & Inspection of  
**LOT 166 – Bluestone – Stage 5C2 & 6F1**

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Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 166 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1661.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1661.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 167**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 167 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 167 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1671.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1671.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 168**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 168 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 168 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1681.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1681.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 169**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 169 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

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WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 169 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1691.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1691.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



**Ref.: BMD.P556 & 579.Lot 170**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 170 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 170 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 171**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 171 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 171 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 172**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 172 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 172 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 173**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 173 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 173 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 174**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 174 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

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[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 174 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



Phone +61 8 8164 3932 Direct +61 8 8164 3929 Mobile +61 488 278 704  
Address Unit 6, 7 - 9 Streiff Road, Wingfield, South Australia 5013 Australia

**Ref.: BMD.P556 & 579.Lot 175**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 175 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 175 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 176**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 176 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

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WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 176 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 177**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 177 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

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WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 177 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



**Ref.: BMD.P556 & 579.Lot 178**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 178 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 178 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 179**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 179 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 179 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 180**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 180 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 180 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 181**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 181 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

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[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 181 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 182**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 182 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 182 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 183**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 183 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 183 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 184**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 184 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 184 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 185**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 185 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
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[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 185 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

This indicates that the fill was compacted to at least the minimum density ratio in accordance with the specification requirements and it is considered that the fill may be deemed to be “controlled fill” in accordance with AS 2870-2011 “Residential Slabs & Footings”.

It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



**Ref.: BMD.P556 & 579.Lot 186**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 186 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 186 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 187**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 187 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 187 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 188**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 188 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 188 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



Phone +61 8 8164 3932 Direct +61 8 8164 3929 Mobile +61 488 278 704  
Address Unit 6, 7 - 9 Streiff Road, Wingfield, South Australia 5013 Australia

**Ref.: BMD.P556 & 579.Lot 189**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 189 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 189 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 190**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 190 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 190 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 191**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 191 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 191 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



Phone +61 8 8164 3932 Direct +61 8 8164 3929 Mobile +61 488 278 704  
Address Unit 6, 7 - 9 Streiff Road, Wingfield, South Australia 5013 Australia

**Ref.: BMD.P556 & 579.Lot 192**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 192 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 192 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 193**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 193 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

adelaide@constructionsciences.net

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 193 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES



**Ref.: BMD.P556 & 579.Lot 194**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 194 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 194 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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It may be that non-structural topsoil was placed on the block after completion of the structural fill. This would need to be removed as part of the site preparation for building and driveway construction.

Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

**Ref.: BMD.P556 & 579.Lot 195**  
Contact: Chris Jeisman

26/04/2023

**BMD Urban PTY LTD**  
45 Greenhill Road, WAYVILLE, SA 5034

Level 1 Supervision & Inspection of  
**LOT 195 – Bluestone – Stage 5C2 & 6F1**

**Construction Sciences Pty Ltd**  
ABN 74 128 806 735

Unit 6, 7-9 Streiff Road  
WINGFEILD, SA 5013

[adelaide@constructionsciences.net](mailto:adelaide@constructionsciences.net)

Phone: 08 8164 3932

[www.constructionsciences.net](http://www.constructionsciences.net)

Dear Sir/Madam

This is to confirm that placement and compaction of fill material, completed by BMD Urban, on **Lot 195 Bluestone – Stage 5C2 & 6F1**, was supervised by Construction Sciences under Level 1 arrangements as described in AS3798-2007 “Guidelines on earthworks for commercial and residential developments”. Areas and depth of works as per 20A1791.C5C2&6F1 Post Topsoil strip (0) Sheet 1 and 2 & 20A1791.C6F1&5C2 Post fill Post topsoil (0) Sheet 1 and 2.

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Please do not hesitate to contact me if you have any queries.

Yours faithfully,



**Sam Hardy**  
ASSISTANT AREA MANAGER  
CONSTRUCTION SCIENCES

18<sup>th</sup> November 2021

Reference No. SMS1.21136-L18.Rev0

Mr. Vincent De Leo  
T&J Constructions  
132 Ryans Road  
GREEN FIELDS SA 5107

**HEYSEN BOULEVARD, MT BARKER – BLUESTONE STAGE 6E2**

Dear Vincent,

SMS Geotechnical Pty Ltd (SMS) was commissioned by T&J Constructions to provide Level 1 earthworks inspection and testing services on Heysen Boulevard in Mt Barker, South Australia. The area where fill was placed is shown approximately in Drawing SMS1.21136-F18.Rev0.

Pre and Post fill levels were undertaken by Engineering Surveys Pty Ltd. These levels are detailed in Bluestone 6E2 variation works fill volume drawing 210406 fill area results revision 0 dated 6<sup>th</sup> April 2021 and drawing 211116 fill area handover levels revision 0 dated 16<sup>th</sup> November 2021.

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 20<sup>th</sup> March 2021 and 3<sup>rd</sup> November 2021. 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 T&J Constructions 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 as shown in Drawing SMS1.21136-F18.Rev0, was witnessed and in our opinion meets the requirements of "Controlled Fill" as defined in AS3798-2007.

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.

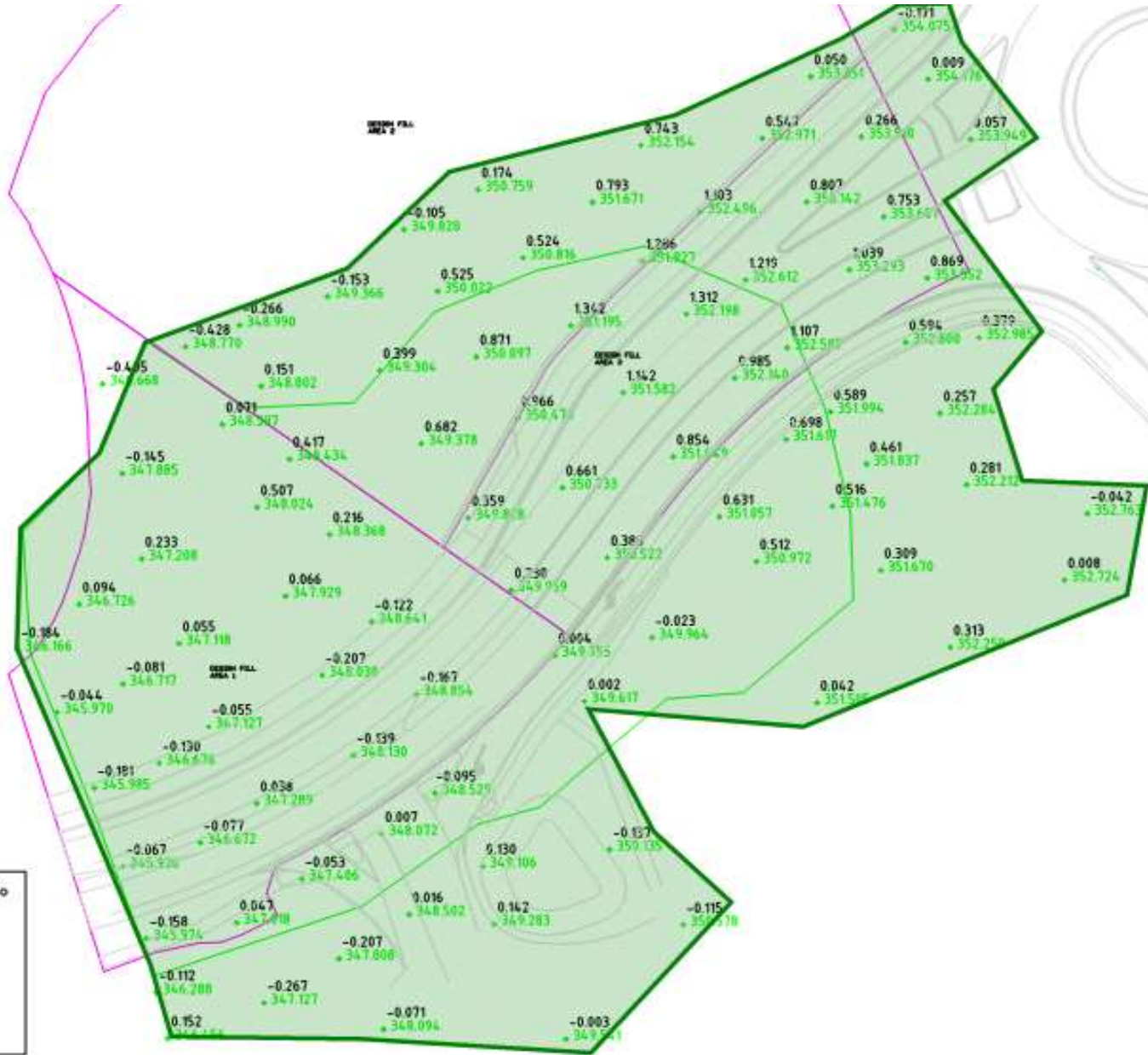
**SMS GEOTECHNICAL PTY LTD**



**Luke Garcia**  
Business Development Manager

**Attachments:**


1. Drawing SMS1.21136-F18.Rev0
2. Engineering Surveys Pty Ltd - Bluestone 6E2 variation works fill volume drawing 210406 fill area results revision 0
3. Engineering Surveys Pty Ltd - Bluestone 6E2 variation works final fill values drawing 211116 fill area handover levels revision 0



Volumes from tin "210628 COMBINED EXISTING" to tin "FILL LAYER" - (with no plan polygon)

cut volumes are negative  
fill volumes are positive

Total cut	
Total fill	3104.890
Total balance	
ie excess of fill over cut	

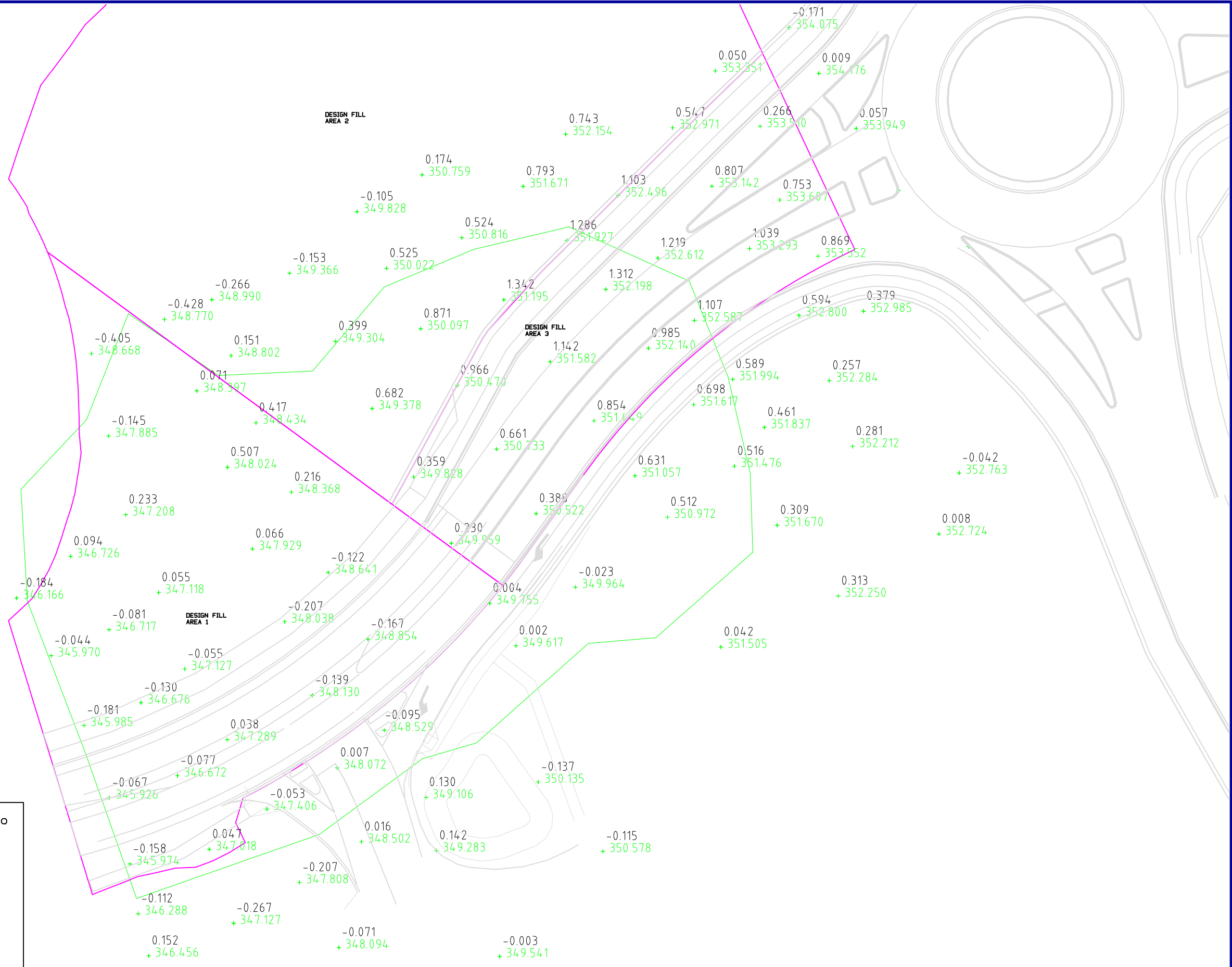
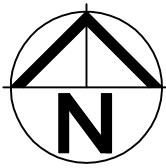
 Approx. Fill Location



Drawn:	LG	Date:	18.11.2021
Checked:	DM	Date:	18.11.2021
Revision:		Date:	
Scale:	NTS		A4

<b>T &amp; J CONSTRUCTIONS</b>	
<b>BLUESTONE STAGE 6A2</b>	
<b>MT BARKER</b>	
<b>SITE PLAN SHOWING PRE AND POST FILL LEVELS</b>	
Project No.:	SMS1.21136
Drawing No.:	SMS1.21136-F18.Rev0





Volumes from tin "210628 COMBINED EXISTING" to tin "FILL LAYER" - (with no plan polygon)

cut volumes are negative  
fill volumes are positive

Total cut	
Total fill	3104.880
Total balance	
ie excess of fill over cut	



REV	DESCRIPTION	STAFF	CHECK	DATE	LEVEL DATUM	AHD
0	FILL VOLUME RESULTS	DC	JC	16-11-21	LEVEL AUTHORITY	PSM 662712672
					CO-ORD DATUM	MGA 94
					NOTES LEVEL DIFFERENCES COLOURED BLACK COMPARED TO COMBINED ORIGINAL AND POST TOP SOIL STRIPPING PICKUP FINAL SURFACE RL VALUES ARE COLOURED GREEN FILL VOLUMES ARE APPROXIMATE	

TITLE	BLUESTONE 6E2 VARIATION WORKS FINAL FILL VALUES	DATE	16-11-21
		SCALE	NTS
CLIENT	T&J CONSTRUCTIONS	SHEET	1 OF 1
DRAWING	211116 FILL AREA HANDOVER LEVELS	REVISION	0
		SIZE	A3