



## **Brisbane Soil Testing**

20/1191 Anzac Ave

Kallangur, Q. 4503

Ph. (07) 3285 6536

Email. brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

Job No. 202404

20<sup>th</sup> of February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

Attn Alex Wood

**RE: LILYWOOD LANDINGS – STAGE 2**  
**CABOOLTURE RIVER ROAD – UPPER CABOOLTURE QLD 4510**  
(Bulk Earthworks – Geotechnical Inspection & Testing)

## **SCOPE**

Brisbane Soil Testing were commissioned by BMD Urban Pty Ltd to provide geotechnical inspection and testing of the bulk earthworks – allotment, road, and park fill on the above stage subdivision.

Some filling was required as part of the development and for this work, our site presence was maintained in accordance with AS3798-2007 "Guidelines on Earthworks for Commercial and Residential Developments" Appendix B, "Level 1". As directed the scope of the Level 1 inspection and testing was:

- (i) check adequacy of pre-fill ground preparation
- (ii) remove unsuitable materials
- (iii) inspect and carry out compaction control testing of placed fill materials
- (iv) provide RPEQ Certification

## **CONTROL INSPECTION AND TESTING**

An inspection of the areas to be filled was carried out on the 5<sup>th</sup> of June 2024 and on an ongoing basis as the job progressed, by Brisbane Soil Testing staff.

On-site cut materials were used for filling and these materials were generally placed in 0.20m loose horizontal layers and compacted with an 815 compactor.

Forty-Eight field density tests were carried between the 21<sup>st</sup> of June 2024 and the 13<sup>th</sup> of February 2025. These tests recorded Dry Density Ratios between 95.5% and 103.0% relative to the standard compaction test and field moisture contents within –1.5% and +2.5% of their respective optimum moisture contents, AS1289.5.1.1.

Attached documents B194/4 (Report Nos. 49987, 50004, 50005, 50110, 50111, 50115, 50412, 50689, 50690, 50691, 50692, 50798 & 50802) provide full test data for the compaction control tests.

The locations of all tests taken are shown on the attached drawing numbers 1219, 1220 & 1221 Revision D, titled “Stage 2 Bulk Earthworks Test Locations”.

No fill was placed on lots 97-100, 108-114 & 142 during our Level 1 inspection and testing commission.

## CONCLUSION

Based on the test results and site inspections, we conclude that the fill foundation is considered to comply with requirements of Table 5.1- Item 1 & 3 of AS3798-2007 and the project specifications.

We confirm that all vegetation and topsoil was removed, and that a sound base for the proposed filling was provided. We further confirm that all filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.



GREG McGRANN  
**BRISBANE SOIL TESTING**  
MANAGING DIRECTOR



SAM JEYAN  
**BRISBANE SOIL TESTING**  
RPEQ. No.13339 - Geotechnical

### **Attachments:**

Level 1 Test Locations

Individual Allotment Certificates

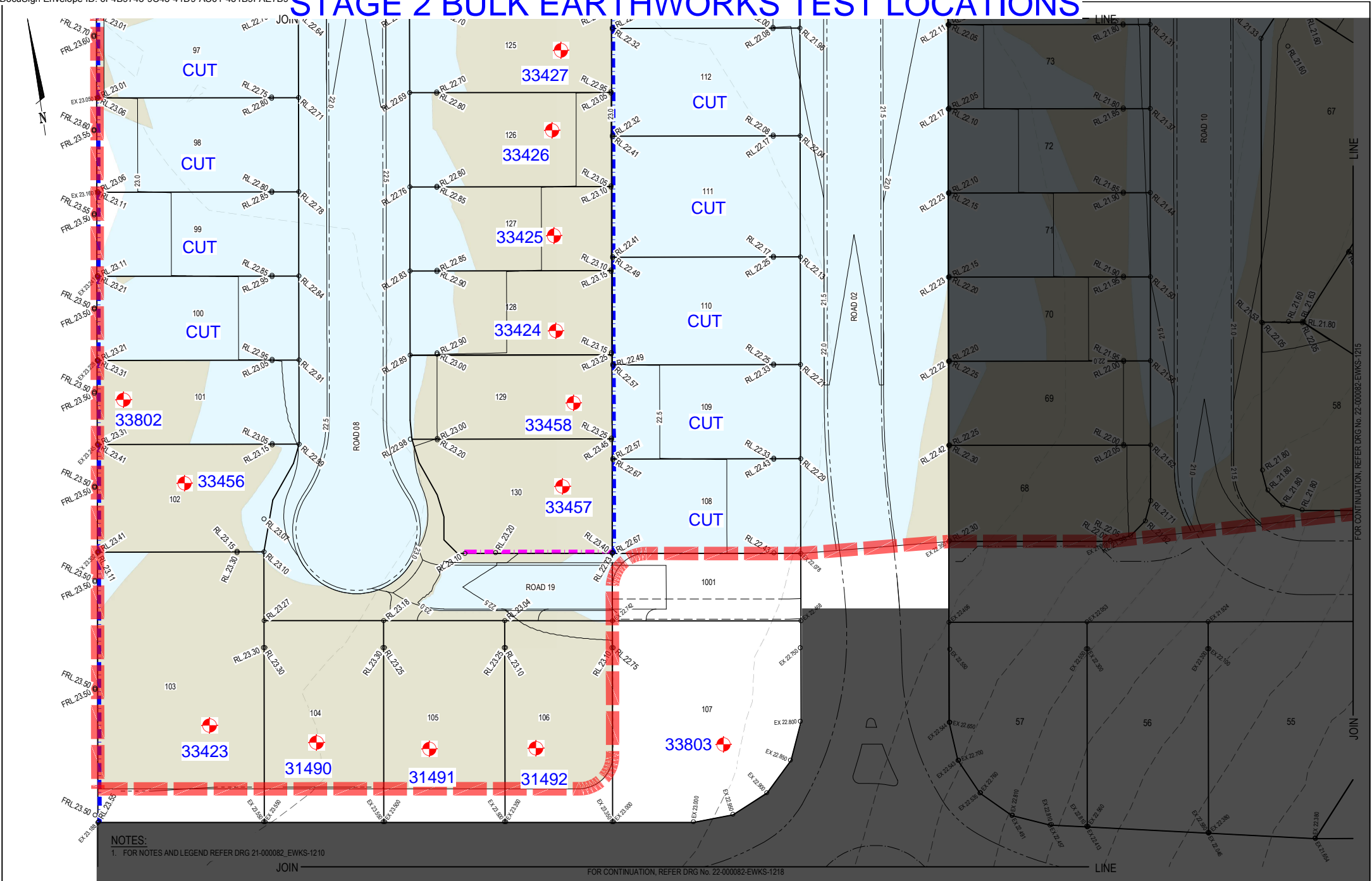
Field Density Test Reports



**Brisbane Soil Testing**

20/1191 Anzac Ave  
Kallangur, Q. 4503

# STAGE 2 BULK EARTHWORKS TEST LOCATIONS



## NOTES:

1. FOR NOTES AND LEGEND REFER DRG 21-000082\_EWKS-1210

FOR CONTINUATION, REFER DRG No. 22-000082-EWKS-1218

REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN
A	03.03.23	ISSUED FOR APPROVAL	IB	AA
B	25.05.23	MINOR AMENDMENTS	IB	AA
C	23.06.23	REVISED AS PER MIRC COMMENTS	HSB	AA
D	17.11.23	ISSUED FOR CONSTRUCTION	AA	AA

Received  
BMD Urban Pty Ltd  
20/11/2023

DRAWN CHECK	STATUS
aa	FOR CONSTRUCTION
aa	APPROVED RYAN ASHWORTH RPEQ 19674 Ryan Ashworth FOR & ON BEHALF OF EGIS CONSULTING (QLD) PTY LTD

SCALE
1:250 1:500
5 0 5 10m A1 1:500

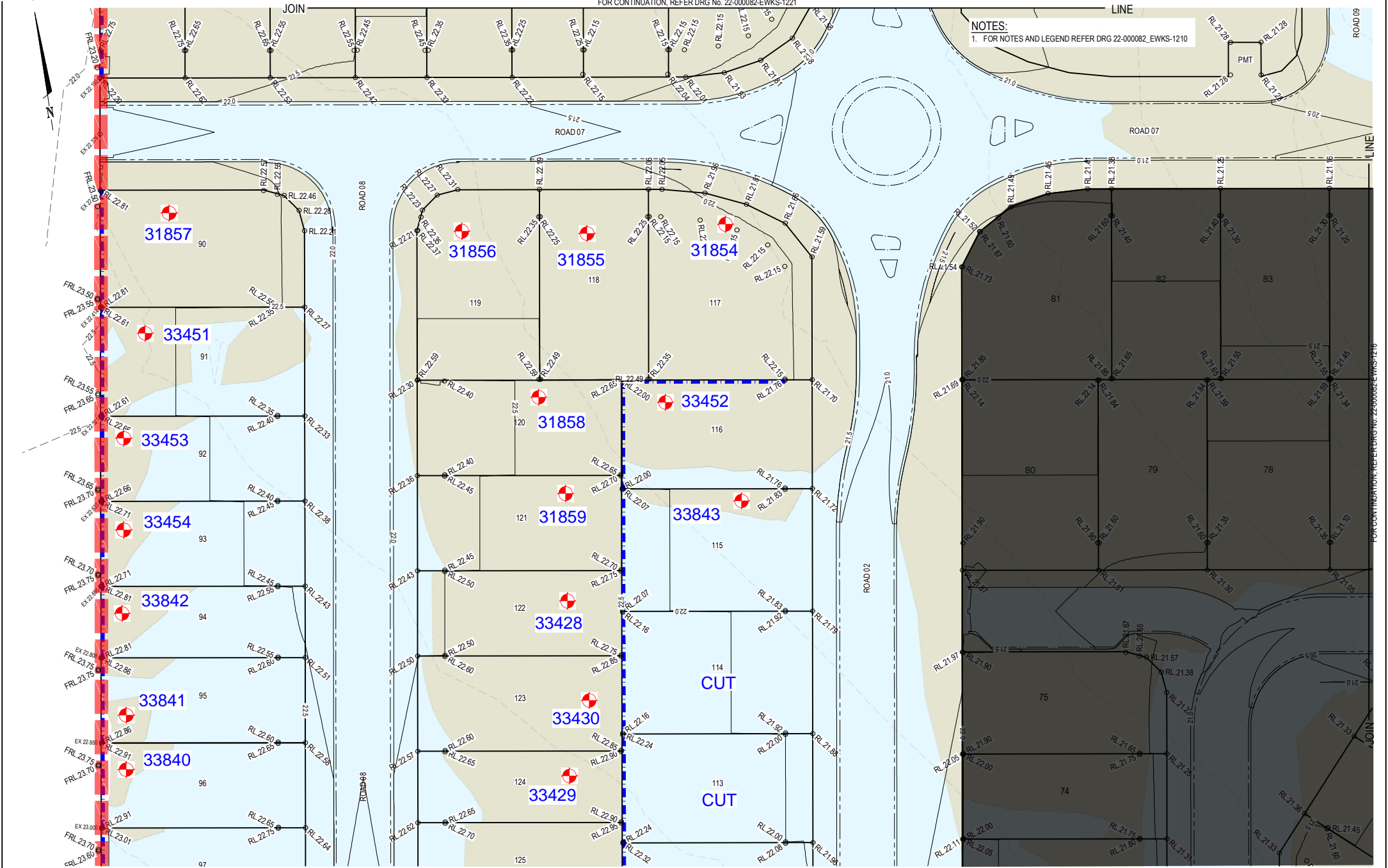
CLIENT
FOREVERLEN PTY LTD
LENNIUM GROUP

PROJECT
egis © 2023 Egis Consulting Pty Ltd www.egis-group.com

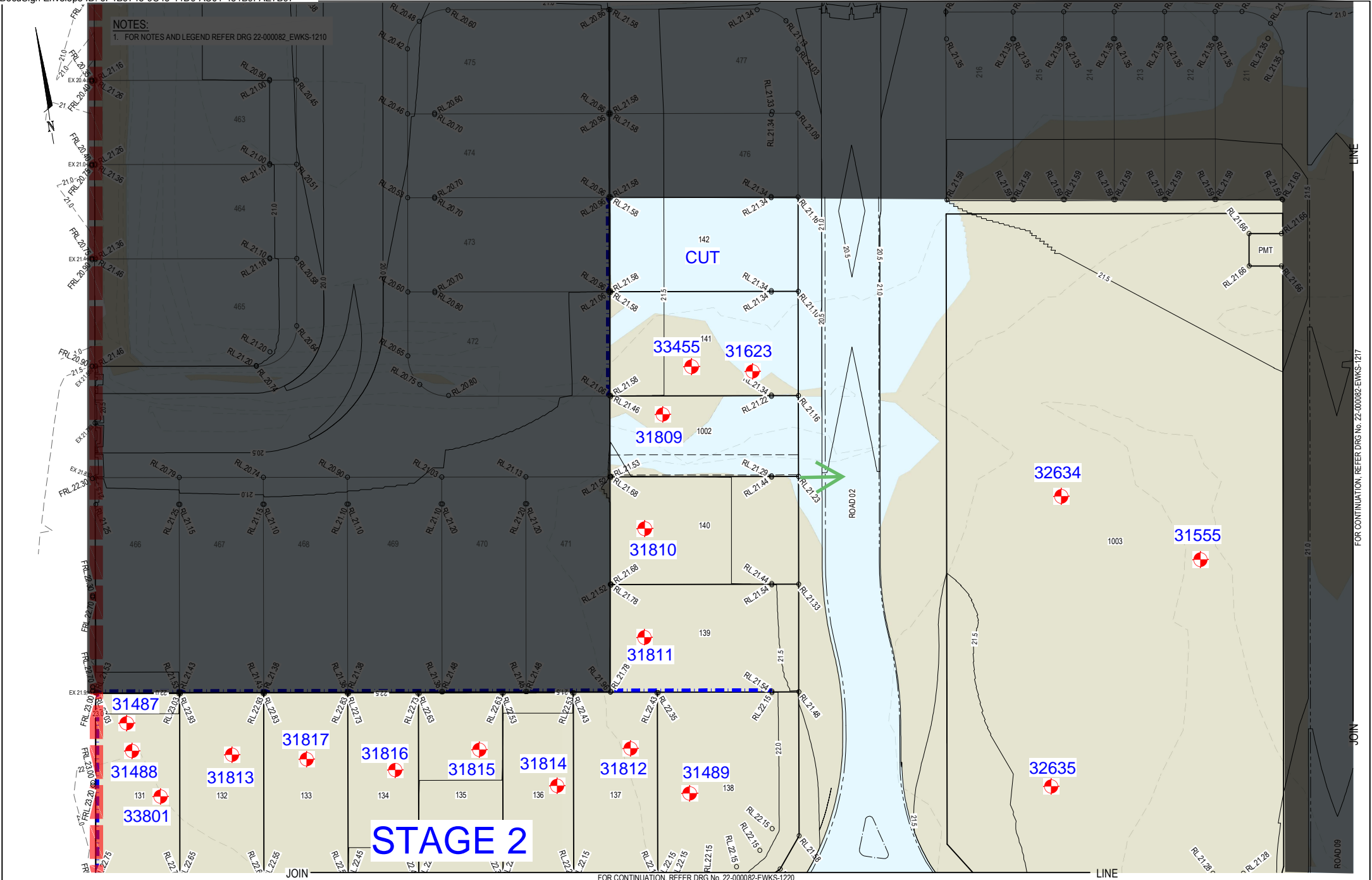
DRAWING TITLE
LANDINGS BULK EARTHWORKS STAGE 1 TO 5
DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.

PROJECT No.	DRAWING No.	REVISION
22-000082_EWKS	1219	D

FOR CONTINUATION, REFER DRG No. 22-000082-EWKS-1215



JOIN										FOR CONTINUATION, REFER DRG No. 22-000082-EWKS-1219										LINE									
REVISION		DATE		ISSUE DETAILS		DRAWN		DESIGN		DRAWN CHECK		STATUS		SCALE		CLIENT		PROJECT		DRAWING TITLE									
A		03.03.23		ISSUED FOR APPROVAL				IB		AA		FOR CONSTRUCTION		1:250		FOREVERLEN PTY LTD		egis		BULK EARTHWORKS LAYOUT PLAN SHEET 11 OF 13									
B		25.05.23		MINOR AMENDMENTS				IB		AA				1:500		LENNIUM GROUP		LANDINGS											
C		23.06.23		REVISED AS PER MIRC COMMENTS				HSL		AA								BULK EARTHWORKS STAGE 1 TO 5											
D		17.11.23		ISSUED FOR CONSTRUCTION				AA		AA		APPROVED RYAN ASHWORTH RPE0 19674						egis		PROJECT No: 22-000082_EWKS									
										DESIGN CHECK		FOR & ON BEHALF OF EGIS CONSULTING (QLD) PTY LTD						© 2023 Egis Consulting Pty Ltd		DRAWING No: 1220									
										AA		Ryan Ashworth								REVISION D									
								</																					

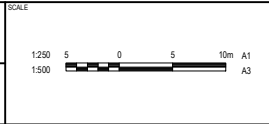


REVISION	DATE	ISSUE DETAILS
A	03.03.23	ISSUED FOR APPROVAL
B	25.05.23	MINOR AMENDMENTS
C	23.06.23	REVISED AS PER MIRC COMMENTS
D	17.11.23	ISSUED FOR CONSTRUCTION

Received  
BMD Urban Pty Ltd  
20/11/2023

DRAWN	DESIGN	DRAWN CHECK	STATUS
IB	AA	aa	FOR CONSTRUCTION
IB	AA		
HSL	AA		
AA	AA		

DESIGN CHECK	APPROVED	RYAN ASHWORTH	RPEQ 19674
		Ryan Ashworth	
		FOR & ON BEHALF OF EGIS CONSULTING (QLD) PTY LTD	



CLIENT

FOREVERLEN PTY LTD

LENNIUM GROUP

egis

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www.egis-group.com

PROJECT

LANDINGS

BULK EARTHWORKS

STAGE 1 TO 5

DISCLAIMER  
ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.

DRAWING TITLE	PROJECT No.	DRAWING No.	REVISION
BULK EARTHWORKS LAYOUT PLAN SHEET 12 OF 13	22-000082_EWKS	1221	D





## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 90**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 90 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 90 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing



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20/1191 Anzac Ave

Kallangur, Q. 4503

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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

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PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 91**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 91 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 91 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 92**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 92 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 92 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing





## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 93**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 93 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 93 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 94**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 94 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 94 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 95**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 95 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 95 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 96**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 96 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 96 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 101**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 101 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 101 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: [brissoil@bigpond.net.au](mailto:brissoil@bigpond.net.au)

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 102**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 102 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 102 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing





**Brisbane Soil Testing**

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 103**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 103 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 103 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

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Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 104**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 104 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 104 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing



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20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 105**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 105 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 105 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing

**Brisbane Soil Testing**

20/1191 Anzac Ave

Kallangur, Q. 4503

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Email: brissoil@bigpond.net.au

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20 February 2025

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PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 106**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 106 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 106 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

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Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 107**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 107 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 107 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 115**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 115 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 115 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing





## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd

PO Box 197

WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**

**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 116**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 116 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 116 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann

Managing Director

Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 117**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 117 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 117 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 118**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 118 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 118 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 119**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 119 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 119 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 120**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 120 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 120 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 121**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 121 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 121 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing





## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 122**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 122 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 122 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.  
ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 123**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 123 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 123 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing

**Brisbane Soil Testing**

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 124**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 124 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 124 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 125**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 125 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 125 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 126**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 126 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 126 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing

**Brisbane Soil Testing**

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 127**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 127 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 127 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing





## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 128**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 128 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 128 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 129**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 129 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 129 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 130**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 130 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 130 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 131**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 131 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 131 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



**Brisbane Soil Testing**

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 132**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 132 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 132 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 133**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 133 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 133 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 134**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 134 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 134 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 135**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 135 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 135 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing





## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 136**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 136 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 136 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



**Brisbane Soil Testing**

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 137**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 137 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 137 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 138**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 138 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 138 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 139**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 139 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 139 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 140**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 140 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 140 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 141**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 141 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 141 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 1002**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 1002 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 1002 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing



## Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur, Q. 4503

Phone: (07) 3285 6536

Email: brissoil@bigpond.net.au

Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

20 February 2025

BMD Urban Pty Ltd  
PO Box 197  
WYNNUM CENTRAL QLD 4178

**RE: CONTROLLED FILL CERTIFICATE**  
**LOCATION: LILYWOOD LANDINGS – STAGE 2**

**LOT NO. 1003**

Brisbane Soil Testing were commissioned on this project to provide geotechnical earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the Brisbane Soil Testing Level 1 Report dated 20 February 2025.

Based on the test results and site inspections, Brisbane Soil Testing concludes that all fill on Lot 1003 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 Item 1 of AS3798-2007 and the project specifications.

We further confirm that all fill to design final level on Lot 1003 (excluding topsoil placed subsequent to completion of controlled filling) can be termed "Controlled Fill" in accordance with AS2870-2011 "Residential Slabs and Footings" (Clause 6.4.2 (a)) via a Level 1 inspection and testing commission.

Regards,

Greg McGrann  
Managing Director  
Brisbane Soil Testing





# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49987
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	21/06/2024	Tested by	JM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
31487	7:15	150	LOT 131 LOC ON ATT PLAN R.L. 21.51	31487	-	24.0	23.5	Adj. 0.5 WET	2.07	Adj. 2.01	<b>103.0</b>
Material Description: GREY BROWN SILTY CLAY											
31488	10:10	150	LOT 131 LOC ON ATT PLAN R.L. 22.14	31488	-	23.0	23.0	Adj. -	2.05	Adj. 2.02	<b>101.5</b>
Material Description: GREY BROWN SILTY CLAY											
31489	11:15	150	LOT 138 LOC ON ATT PLAN R.L. 22.041	31489	-	22.5	22.0	Adj. 0.5 WET	2.04	Adj. 2.06	<b>99.0</b>
Material Description: BROWN SILTY CLAY											
31490	11:50	150	LOT 104 LOC ON ATT PLAN R.L. 23.29	31490	-	23.0	21.5	Adj. 1.5 WET	2.05	Adj. 2.06	<b>99.5</b>
Material Description: YELLOW BROWN & GREY SILTY CLAY											
31491	14:20	150	LOT 105 LOC ON ATT PLAN R.L. 23.27	31491	-	21.5	21.5	Adj. -	2.06	Adj. 2.07	<b>99.5</b>
Material Description: GREY BROWN SILTY CLAY											
31492	15:15	150	LOT 106 LOC ON ATT PLAN R.L. 23.12	31492	-	22.5	21.5	Adj. 1.0 WET	2.06	Adj. 2.04	<b>101.0</b>
Material Description: GREY BROWN SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 26/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 26/06/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50004
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	26/06/2024	Tested by	JM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
31555	13:15	150	LOT 1003 LOC ON ATT PLAN R.L. 19.72	31555	-	30.0	27.5	Adj. 2.5 WET	1.95	Adj. 1.98	98.5
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 27/06/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 27/06/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50005
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	01/07/2024	Tested by	JM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
31623	12:30	150	LOT 141 LOC ON ATT PLAN R.L. 20.22	31623	-	30.5	30.0	Adj. 0.5 WET	1.91	Adj. 1.92	99.5
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	
								Adj.		Adj.	

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 02/07/2024



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Checked By: G MCGRANN

Greg McGrann/Manager

Approved Signatory

Date: 02/07/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50110
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	22/07/2024	Tested by	JM LM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
31809	8:30	150	LOT 1002 LOC ON ATT PLAN R.L. 21.27	31809	-	26.0	24.0	Adj. 2.0 WET	1.90	Adj. 1.99	95.5
Material Description: GREY SILTY CLAY											
31810	8:50	150	LOT 140 LOC ON ATT PLAN R.L. 21.50	31810	-	25.5	24.0	Adj. 1.5 WET	1.91	Adj. 1.96	97.5
Material Description: GREY BROWN SILTY CLAY											
31811	9:45	150	LOT 139 LOC ON ATT PLAN R.L. 21.47	31811	-	21.0	20.0	Adj. 1.0 WET	1.96	Adj. 2.05	95.5
Material Description: BROWN SILTY CLAY											
31812	10:30	150	LOT 137 LOC ON ATT PLAN R.L. 22.30	31812	-	23.0	21.5	Adj. 1.5 WET	2.03	Adj. 2.08	97.5
Material Description: BROWN SILTY CLAY											
31813	10:50	150	LOT 132 LOC ON ATT PLAN R.L. 22.73	31813	-	24.5	23.0	Adj. 1.5 WET	2.00	Adj. 2.03	98.5
Material Description: BROWN SILTY CLAY											
31814	12:15	150	LOT 136 LOC ON ATT PLAN R.L. 22.27	31814	-	24.5	23.5	Adj. 1.0 WET	1.94	Adj. 2.01	96.5
Material Description: BROWN SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 26/07/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 26/07/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50111
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	22/07/2024	Tested by	JM LM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
31815	12:30	150	LOT 135 LOC ON ATT PLAN R.L. 22.47	31815	-	18.5	17.5	Adj. 1.0 WET	2.03	Adj. 2.10	96.5
Material Description: BROWN SILTY SANDY CLAY											
31816	13:15	150	LOT 134 LOC ON ATT PLAN R.L. 22.59	31816	-	22.5	22.0	Adj. 0.5 WET	1.97	Adj. 2.04	96.5
Material Description: BROWN SILTY CLAY											
31817	13:30	150	LOT 133 LOC ON ATT PLAN R.L. 22.67	31817	-	24.0	23.0	Adj. 1.0 WET	2.01	Adj. 2.00	100.5
Material Description: BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 26/07/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 26/07/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50115
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	24/07/2024	Tested by	JM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
31854	9:00	150	LOT 117 LOC ON ATT PLAN R.L. 21.97	31854	-	24.0	22.0	Adj. 2.0 WET	1.95	Adj. 2.03	96.0
Material Description: BROWN SILTY CLAY											
31855	9:50	150	LOT 118 LOC ON ATT PLAN R.L. 22.06	31855	-	24.5	23.5	Adj. 1.0 WET	1.96	Adj. 1.99	98.5
Material Description: BROWN SILTY CLAY											
31856	11:45	150	LOT 119 LOC ON ATT PLAN R.L. 22.19	31856	-	23.5	23.0	Adj. 0.5 WET	2.04	Adj. 2.07	98.5
Material Description: BROWN SILTY CLAY											
31857	13:10	150	LOT 90 LOC ON ATT PLAN R.L. 22.70	31857	-	25.0	22.5	Adj. 2.5 WET	2.00	Adj. 2.08	96.0
Material Description: BROWN SILTY CLAY											
31858	14:40	150	LOT 120 LOC ON ATT PLAN R.L. 22.44	31858	-	24.0	22.0	Adj. 2.0 WET	2.03	Adj. 2.05	99.0
Material Description: GREY BROWN SILTY CLAY											
31859	15:30	150	LOT 121 LOC ON ATT PLAN R.L. 22.49	31859	-	24.0	23.0	Adj. 1.0 WET	1.99	Adj. 2.04	97.5
Material Description: BROWN SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 26/07/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 26/07/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50412
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	26/09/2024	Tested by	JM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
32634	13:30	150	LOT 1003 LOC ON ATT PLAN R.L. 21.25	32634	-	15.5	16.5	Adj. 1.0 DRY	2.10	Adj. 2.13	98.5
				Material Description: REDDISH BROWN SILTY SANDY CLAY							
32635	14:00	150	LOT 1003 LOC ON ATT PLAN R.L. 21.23	32635	-	23.5	25.0	Adj. 1.5 DRY	2.00	Adj. 2.00	100.0
				Material Description: REDDISH GREY CLAY							
								Adj.		Adj.	
				Material Description:							
								Adj.		Adj.	
				Material Description:							
								Adj.		Adj.	
				Material Description:							
								Adj.		Adj.	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 02/10/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 02/10/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50689
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	09/12/2024	Tested by	JM LM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
33423	7:50	150	LOT 103 LOC ON ATT PLAN R.L. 23.14	33423	-	18.0	17.5	Adj. 0.5 WET	2.05	Adj. 2.07	99.0
Material Description: BROWN SILTY CLAY & ROCK FRAGMENTS											
33424	8:10	150	LOT 128 LOC ON ATT PLAN R.L. 22.94	33424	-	23.5	21.5	Adj. 2.0 WET	1.94	Adj. 1.99	97.5
Material Description: BROWN SILTY CLAY											
33425	8:40	150	LOT 127 LOC ON ATT PLAN R.L. 23.01	33425	-	18.0	17.0	Adj. 1.0 WET	2.03	Adj. 2.07	98.0
Material Description: BROWN SILTY SANDY CLAY											
33426	9:25	150	LOT 126 LOC ON ATT PLAN R.L. 22.89	33426	-	25.0	23.5	Adj. 1.5 WET	1.91	Adj. 1.96	97.5
Material Description: GREY BROWN SILTY CLAY											
33427	9:55	150	LOT 125 LOC ON ATT PLAN R.L. 22.80	33427	-	21.5	20.5	Adj. 1.0 WET	2.01	Adj. 2.02	99.5
Material Description: BROWN SILTY CLAY & ROCK FRAGMENTS											
33428	10:25	150	LOT 122 LOC ON ATT PLAN R.L. 22.57	33428	-	18.5	18.0	Adj. 0.5 WET	2.00	Adj. 2.06	97.0
Material Description: GREY BROWN SILTY SANDY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 16/12/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 16/12/2024





# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50690
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	09/12/2024	Tested by	JM LM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
33429	11:15	150	LOT 124 LOC ON ATT PLAN R.L. 22.73	33429	-	20.5	20.0	Adj. 0.5 WET	1.96	Adj. 2.05	95.5
Material Description: BROWN SILTY CLAY											
33430	11:30	150	LOT 123 LOC ON ATT PLAN R.L. 22.75	33430	-	23.0	22.0	Adj. 1.0 WET	1.97	Adj. 2.04	96.5
Material Description: BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 16/12/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 16/12/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50691
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	10/12/2024	Tested by	JM LM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
33451	8:45	150	LOT 91 LOC ON ATT PLAN R.L. 22.43	33451	-	24.5	23.5	Adj. 1.0 WET	1.96	Adj. 2.03	96.5
Material Description: BROWN SILTY CLAY											
33452	9:00	150	LOT 116 LOC ON ATT PLAN R.L. 21.77	33452	-	24.0	24.0	Adj. -	1.94	Adj. 1.98	98.0
Material Description: BROWN SILTY CLAY											
33453	9:30	150	LOT 92 LOC ON ATT PLAN R.L. 22.43	33453	-	22.5	21.5	Adj. 1.0 WET	1.97	Adj. 2.05	96.0
Material Description: BROWN SILTY CLAY											
33454	9:55	150	LOT 93 LOC ON ATT PLAN R.L. 22.54	33454	-	24.0	22.5	Adj. 1.5 WET	1.94	Adj. 2.03	95.5
Material Description: BROWN SILTY CLAY											
33455	11:20	150	LOT 141 LOC ON ATT PLAN R.L. 20.70	33455	-	23.5	23.0	Adj. 0.5 WET	2.01	Adj. 2.04	98.5
Material Description: BROWN SILTY CLAY											
33456	13:25	150	LOT 102 LOC ON ATT PLAN R.L. 23.10	33456	-	25.0	25.0	Adj. -	1.95	Adj. 1.96	99.5
Material Description: GREY BROWN SILTY CLAY											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 16/12/2024

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 16/12/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50692
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	10/12/2024	Tested by	JM LM

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
33457	14:10	150	LOT 130 LOC ON ATT PLAN R.L. 23.19	33457	-	24.0	24.0	Adj. -	1.97	Adj. 2.00	98.5
Material Description: LIGHT BROWN SILTY CLAY											
33458	14:35	150	LOT 129 LOC ON ATT PLAN R.L. 23.17	33458	-	23.0	22.5	Adj. 0.5 WET	1.99	Adj. 2.06	96.5
Material Description: BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 16/12/2024

Checked By: G MCGRANN



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Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 16/12/2024



# Brisbane Soil Testing

20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50798
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	11/02/2025	Tested by	GMG

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
33801	8:50	150	LOT 131 LOC ON ATT PLAN R.L. 22.79	33801	-	23.0	21.5	Adj. 1.5 WET	2.00	Adj. 2.04	98.0
Material Description: YELLOW BROWN SILTY CLAY											
33802	9:40	150	LOT 101 LOC ON ATT PLAN R.L. 23.09	33802	-	18.5	18.0	Adj. 0.5 WET	2.01	Adj. 2.09	96.0
Material Description: LIGHT BROWN SILTY CLAY											
33803	11:15	150	LOT 107 LOC ON ATT PLAN R.L. 22.68	33803	-	22.5	22.5	Adj. -	1.99	Adj. 2.00	99.5
Material Description: LIGHT GREY BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 15/02/2025

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 15/02/2025



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20/1191 Anzac Ave

Kallangur Q 4503

Ph.(07) 3285 6536

Email. brissoil@bigpond.net.au

## FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50802
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 2	Date Tested	13/02/2025	Tested by	GMG

Field Test N <sup>o</sup> Sample N <sup>o</sup>	Time of Test	Depth of Test mm	Test Location	Lab Compaction N <sup>o</sup>	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m <sup>3</sup>	Peak Converted Wet Density t/m <sup>3</sup>	Hilf Density Ratio %
33840	7:50	150	LOT 96 LOC ON ATT PLAN R.L. 22.64	33840	-	22.5	22.0	Adj. 0.5 WET	2.00	Adj. 2.05	97.5
Material Description: REDDISH GREY SILTY CLAY											
33841	8:40	150	LOT 95 LOC ON ATT PLAN R.L. 22.60	33841	-	23.5	23.0	Adj. 0.5 WET	1.96	Adj. 2.03	96.5
Material Description: REDDISH GREY SILTY CLAY											
33842	9:25	150	LOT 94 LOC ON ATT PLAN R.L. 22.58	33842	-	21.0	20.0	Adj. 1.0 WET	2.04	Adj. 2.06	99.0
Material Description: BROWN SILTY CLAY											
33843	11:00	150	LOT 115 LOC ON ATT PLAN R.L. 21.80	33843	-	22.5	21.5	Adj. 1.0 WET	1.96	Adj. 2.05	95.5
Material Description: BROWN SILTY CLAY											
								Adj.		Adj.	
Material Description:											
								Adj.		Adj.	
Material Description:											

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: G MCGRANN

Date: 15/02/2025

Checked By: G MCGRANN



Accredited for compliance with ISO/IEC 17025 – Testing.  
Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

Approved Signatory

Date: 15/02/2025