



Brisbane Soil Testing

20/1191 Anzac Ave

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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

Job No. 202404

20th of February 2025

BMD Urban Pty Ltd
PO Box 197
WYNNUM CENTRAL QLD 4178

Attn Alex Wood

RE: LILYWOOD LANDINGS – STAGE 3
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 and road 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 2nd of February 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.

Sixty-three field density tests were carried between the 4th of April 2024 and the 14th 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 –2.5% and +2.0% of their respective optimum moisture contents, AS1289.5.1.1.

Attached documents B194/4 (Report Nos. 49607, 49691A, 49767, 49969, 50491, 50143A, 50492, 50578, 50579, 50625, 50626, 50627, 50709, 50710, 50711, 50712, 50713, 50714, 50774, 50777, 50778 & 50804.) provide full test data for the compaction control tests.

The locations of all tests taken are shown on the attached drawing numbers 1215, 1216, 1219 & 1220 Revision D, titled “Stage 3 Bulk Earthworks Test Locations”.

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

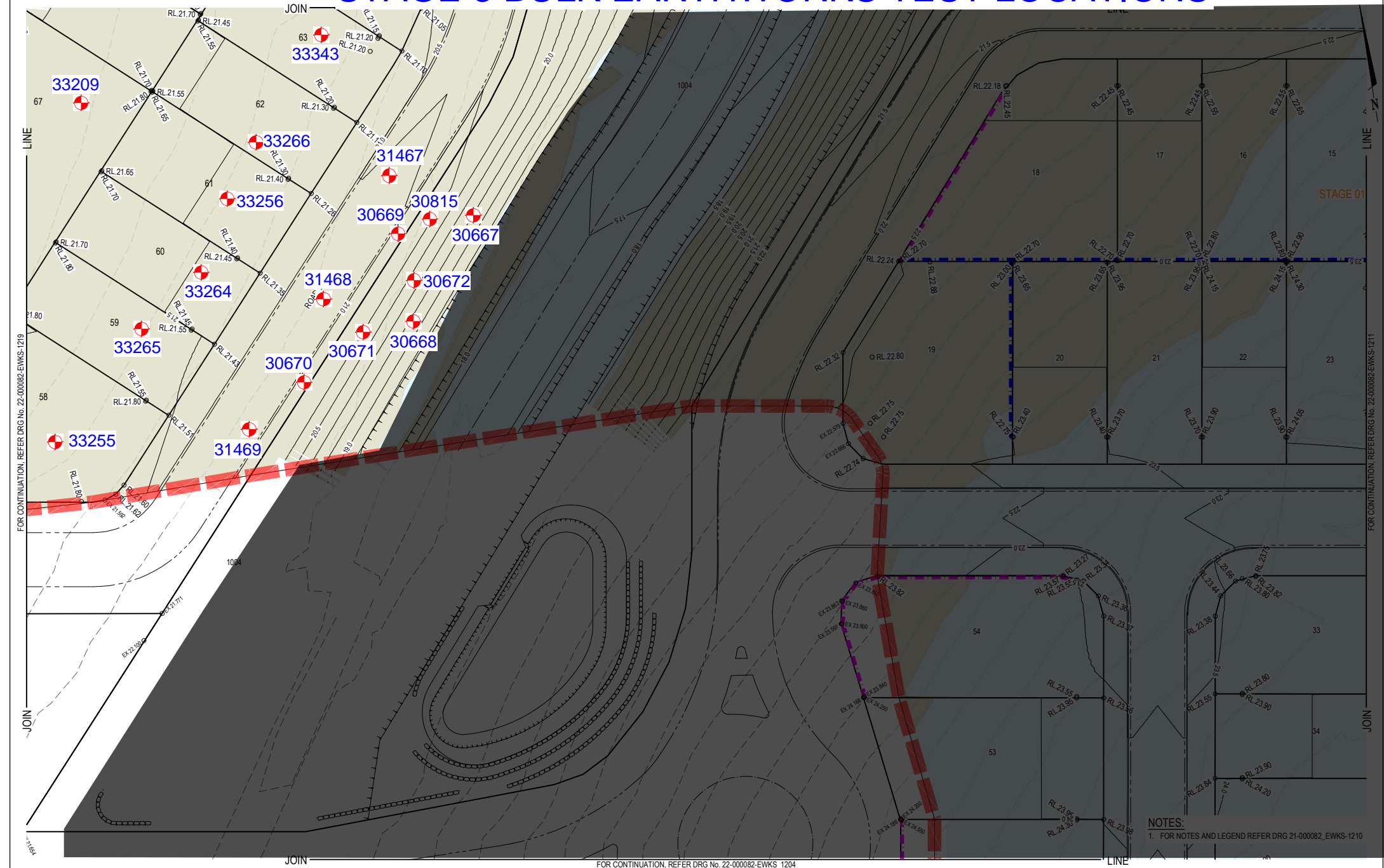
Individual Allotment Certificates

Field Density Test Reports



Brisbane Soil Testing

20/1191 Anzac Ave
Kallangur, Q. 4503

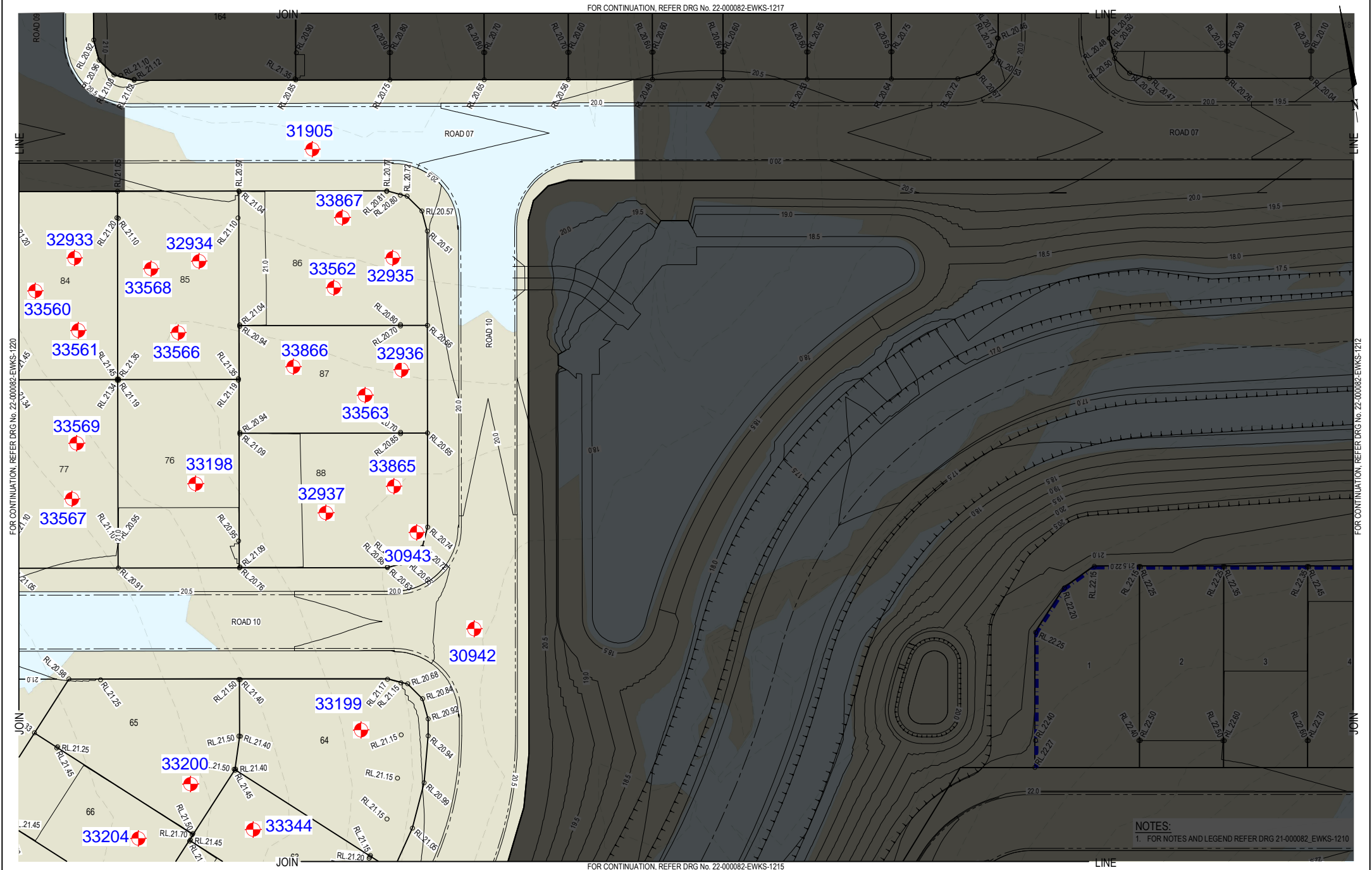





REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK	STATUS	SCALE	CLIENT	PROJECT	DRAWING TITLE	PROJECT NO.	DRAWING NO.	REVISION
A	03.03.23	ISSUED FOR APPROVAL		IB	AA	FOR CONSTRUCTION		 FOREVERLEEN PTY LTD	 © 2023 Egis Consulting Pty Ltd www.egis-group.com	 BULK EARTHWORKS STAGE 1 TO 5	22-000082_EWKS	1215	D
B	25.05.23	MINOR AMENDMENTS		IB	AA								
C	23.06.23	REVISED AS PER CLIENT COMMENTS		HSB	AA								
D	17.11.23	ISSUED FOR CONSTRUCTION		AA	AA								
					DESIGN CHECK	APPROVED							
						RYAN ASHWORTH RPEQ 19674							
						ON BEHALF OF EGIS CONSULTING (QLD) PTY LTD							

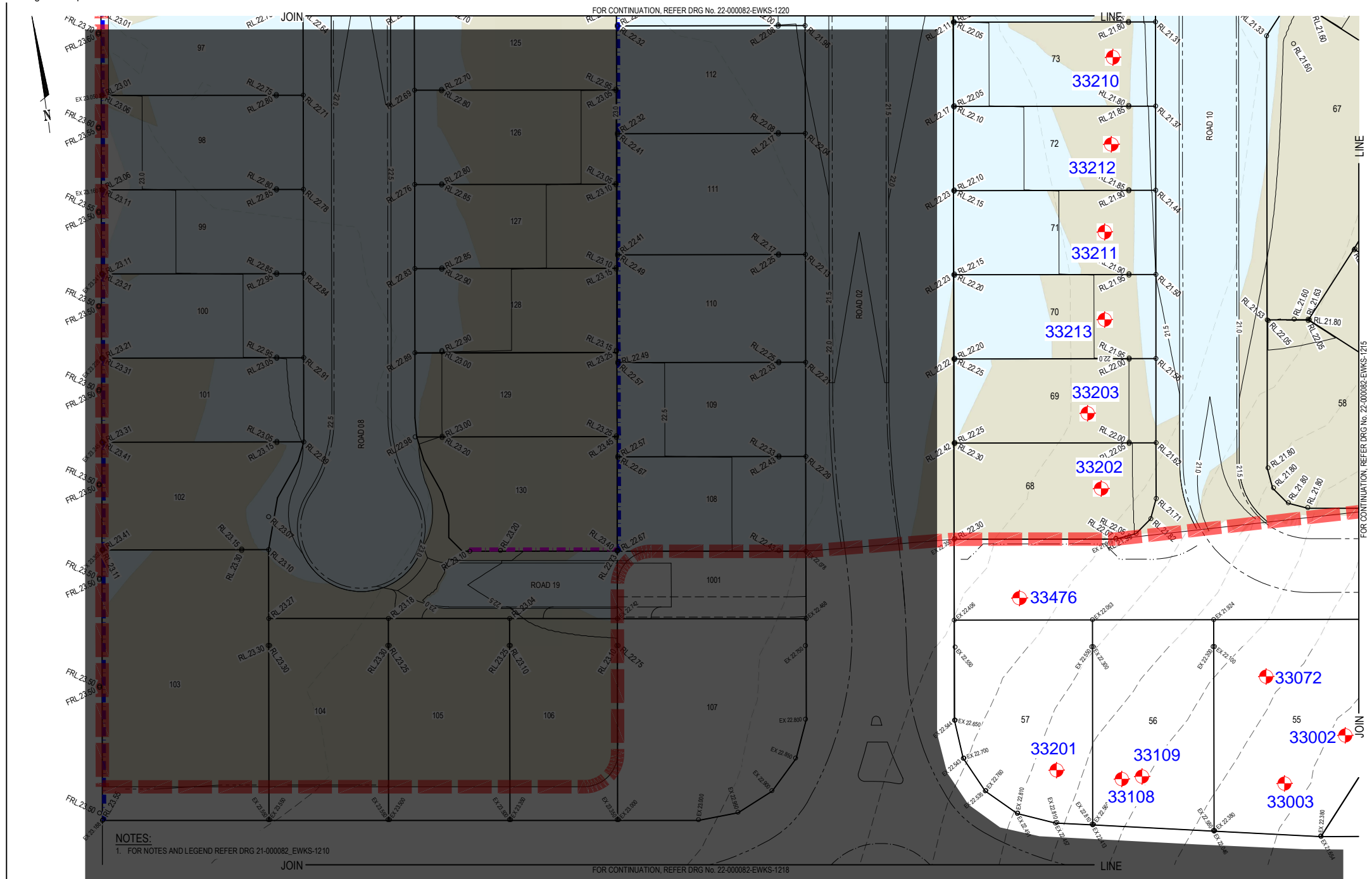
Received

BMD Urban Pty Ltd

20/11/2023



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	<div>1:250 5 0 5 10m A1</div> <div>1:500  A3</div>	<div>FOREVERLEN PTY LTD</div> <div></div> <div>© 2023 Egis Consulting Pty Ltd</div> <div>www.egis-group.com</div>	<div></div> <div>BULK EARTHWORKS</div> <div>STAGE 1 TO 5</div>	BULK EARTHWORKS LAYOUT PLAN SHEET 7 OF 13
B	25.05.23	MINOR AMENDMENTS		IB	AA					
C	23.06.23	REVISED AS PER MBRC COMMENTS		HSL	AA					
D	17.11.23	ISSUED FOR CONSTRUCTION		AA	AA					
					DESIGN CHECK	APPROVED				
						RYAN ASHWORTH	RPEQ 19674			
						<i>Ryan Ashworth</i>				
						FOR & ON BEHALF OF EGIS CONSULTING (QLD) PTY LTD				



REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN/CHECK	STATUS	SCALE	CUSTOMER	PROJECT	DRAWING TITLE
A	03.03.23	ISSUED FOR APPROVAL	IB	AA	aa	FOR CONSTRUCTION		FOREVERLEN PTY LTD	BULK EARTHWORKS	LAYOUT PLAN SHEET 10 OF 13
B	26.09.23	MINOR AMENDMENTS	IB	AA			1:250 5 0 5 10m A1	LENNIUM GROUP	egis	
C	23.06.23	REVISED AS PER MBRC COMMENTS	HL	AA			1:500		BULK EARTHWORKS STAGE 1 TO 5	
D	17.11.23	ISSUED FOR CONSTRUCTION	AA	AA	aa	APPROVED RYAN ASHWORTH RPEQ 19674 <i>Ryan Ashworth</i> FOR & ON BEHALF OF EGIS CONSULTING (QLD) PTY LTD		© 2023 Egis Consulting Pty Ltd www.egis-group.com	DECLARATION: ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.	PROJECT No: 22-000082_EWKS DRAWING No: 1219 REVISION: D



REVISION			DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK	STATUS	FOR CONSTRUCTION			SCALE	CLIENT		PROJECT		DRAWING TITLE		
A	03.03.23	ISSUED FOR APPROVAL		Received BMD Urban Pty Ltd 20/11/2023	IB	AA	aa					<div>1:250 1:500</div> <div><div></div><div>5</div><div>0</div><div>5</div><div>10m</div></div> <div>A1 A3</div>	<div>FOREVERLEN PTY LTD</div> <div>LENNIUM GROUP</div>	<div><div>egis</div><div>© 2023 Egis Consulting Pty Ltd</div><div>www.egis-group.com</div></div>	<div><div>Landscape LANDINGS</div><div>BULK EARTHWORKS STAGE 1 TO 5</div><div>DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.</div></div>	BULK EARTHWORKS LAYOUT PLAN			
B	25.05.23	MINOR AMENDMENTS	IB		AA														
C	23.06.23	REVISED AS PER MIMIC COMMENTS	HSL		AA														
D	17.11.23	ISSUED FOR CONSTRUCTION	AA		AA	aa													
							DESIGN CHECK	APPROVED	RYAN ASHWORTH RPEQ 19674						PROJECT NO.				
									<div>Ryan Ashworth</div> FOR & ON BEHALF OF EGIS CONSULTING (QLD) PTY LTD						DRAWING NO.				
															22-000082_EWKS				
															1220				
															REVISION				
															D				



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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 3

LOT NO. 55

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 55 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 55 (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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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 56

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 56 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 56 (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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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 57

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 57 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 57 (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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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 58

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 58 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 58 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 59

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 59 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 59 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 60

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 60 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 60 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 61

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 61 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 61 (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 February 2025

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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 62

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 62 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 62 (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 February 2025

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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 63

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 63 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 63 (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 February 2025

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 64

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 64 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 64 (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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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 65

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 65 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 65 (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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20 February 2025

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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 66

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 66 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 66 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 67

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 67 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 67 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 68

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 68 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 68 (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 February 2025

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WYNNUM CENTRAL QLD 4178

RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 69

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 69 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 69 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 70

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 70 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 70 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 71

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 71 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 71 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 72

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 72 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 72 (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,

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Managing Director
Brisbane Soil Testing



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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 73

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 73 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 73 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 74

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 74 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 74 (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,

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Managing Director
Brisbane Soil Testing



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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 75

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 75 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 75 (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
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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 76

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 76 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 76 (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,

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 77

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 77 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 77 (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,

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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 78

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 78 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 78 (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
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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 79

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 79 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 79 (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
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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 80

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 80 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 80 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 81

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 81 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 81 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 82

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 82 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 82 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 83

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 83 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 83 (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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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 84

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 84 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 84 (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
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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 85

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 85 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 85 (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
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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 86

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 86 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 86 (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
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RE: CONTROLLED FILL CERTIFICATE

LOCATION: LILYWOOD LANDINGS – STAGE 3

LOT NO. 87

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 87 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 87 (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 3

LOT NO. 88

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 88 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 88 (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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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49607
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	04/04/2024	Tested by	GMG

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
30667	7:05	150	EMBANKMENT FILL LOC ON ATT PLAN R.L. 18.67	30667	-	19.5	19.0	Adj. 0.5 WET	2.07	Adj. 2.03	102.0
Material Description: REDDISH BROWN SILTY CLAY											
30668	8:45	150	EMBANKMENT FILL LOC ON ATT PLAN R.L. 18.46	30668	-	22.5	21.5	Adj. 1.0 WET	2.03	Adj. 1.97	103.0
Material Description: REDDISH BROWN SILTY CLAY											
30669	10:05	150	ROAD 10 LOC ON ATT PLAN R.L. 19.31	30669	-	19.5	18.5	Adj. 1.0 WET	2.06	Adj. 2.07	99.5
Material Description: REDDISH BROWN SILTY SANDY CLAY											
30670	10:25	150	ROAD 10 LOC ON ATT PLAN R.L. 19.10	30670	-	23.5	23.5	Adj. -	2.00	Adj. 1.97	101.5
Material Description: RED SILTY CLAY											
30671	10:55	150	EMBANKMENT FILL LOC ON ATT PLAN R.L. 19.68	30671	-	21.5	20.5	Adj. 1.0 WET	2.01	Adj. 1.99	101.0
Material Description: RED SILTY CLAY & FINE ROCK FRAGMENTS											
30672	13:45	150	EMBANKMENT FILL LOC ON ATT PLAN R.L. 19.85	30672	-	19.5	18.0	Adj. 1.5 WET	2.05	Adj. 2.08	98.5
Material Description: RED 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: 08/04/2024

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: 08/04/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49691A
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	15/04/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
30815	10:30	150	EMBANKMENT FILL LOC ON ATT PLAN R.L. 20.05	30815	-	19.5	20.5	Adj. 1.0 DRY	2.09	Adj. 2.09	100.0
								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: 23/04/2024

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: 23/04/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49767
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	02/05/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
30942	14:30	150	ROAD 10 LOC ON ATT PLAN R.L. 18.82	30942	-	16.5	15.5	Adj. 1.0 WET	2.06	Adj. 2.08	99.0
Material Description: YELLOW BROWN SILTY SANDY CLAY											
30943	15:10	150	LOT 88 LOC ON ATT PLAN R.L. 19.07	30943	-	17.5	16.5	Adj. 1.0 WET	2.08	Adj. 2.06	101.0
Material Description: BROWN SILTY SANDY CLAY & FINE ROCK FRAGMENTS											
								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: 13/05/2024

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: 13/05/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	49969
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	20/06/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31467	10:00	150	ROAD 10 LOC ON ATT PLAN R.L. 20.57	31467	-	31.5	30.5	Adj. 1.0 WET	1.97	Adj. 1.93	102.0
Material Description: REDDISH GREY CLAY											
31468	10:30	150	ROAD 10 LOC ON ATT PLAN R.L. 20.65	31468	-	30.5	29.5	Adj. 1.0 WET	2.01	Adj. 1.95	103.0
Material Description: REDDISH GREY CLAY											
31469	11:00	150	ROAD 10 LOC ON ATT PLAN R.L. 20.76	31469	-	29.0	27.5	Adj. 1.5 WET	1.99	Adj. 1.97	101.0
Material Description: REDDISH GREY 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: 24/06/2024

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: 24/06/2024



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50143A
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	26/07/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
31905	10:30	150	ROAD 07 LOC ON ATT PLAN R.L. 20.06	31905	-	23.5	24.5	Adj. 1.0 DRY	2.00	Adj. 2.01	99.5
								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: 29/07/2024

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: 29/07/2024



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FIELD DENSITY CERTIFICATE

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ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50491
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	24/10/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
32933	10:00	150	LOT 84 LOC ON ATT PLAN R.L. 19.32	32933	-	23.0	22.5	Adj. 0.5 WET	1.95	Adj. 2.02	96.5
Material Description: BROWN SILTY CLAY											
32934	10:20	150	LOT 84 LOC ON ATT PLAN R.L. 19.96	32934	-	25.0	23.5	Adj. 1.5 WET	2.04	Adj. 2.03	100.5
Material Description: BROWN SILTY CLAY											
32935	13:00	150	LOT 86 LOC ON ATT PLAN R.L. 19.30	32935	-	25.5	24.0	Adj. 1.0 WET	2.03	Adj. 1.99	102.0
Material Description: BROWN SILTY CLAY											
32936	13:20	150	LOT 87 LOC ON ATT PLAN R.L. 19.21	32936	-	26.5	24.5	Adj. 2.0 WET	2.01	Adj. 1.98	101.5
Material Description: BROWN SOME GREY SILTY CLAY											
32937	13:40	150	LOT 88 LOC ON ATT PLAN R.L. 19.65	32937	-	25.5	24.0	Adj. 1.5 WET	2.03	Adj. 2.00	101.5
Material Description: GREY BROWN SILTY CLAY											
								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: 01/11/2024

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: 01/11/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50492
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	30/10/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33002	10:00	150	LOT 55 LOC ON ATT PLAN R.L. 21.08	33002	-	14.5	15.0	Adj. 0.5 DRY	2.11	Adj. 2.13	99.0
Material Description: LIGHT BROWN SILTY SANDY CLAY & ROCK FRAGMENTS											
33003	13:50	150	LOT 55 LOC ON ATT PLAN R.L. 21.53	33003	-	15.5	15.5	Adj. -	2.09	Adj. 2.09	100.0
Material Description: BROWN SILTY SANDY 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: 01/11/2024



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: 01/11/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50578
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	04/11/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33072	13:15	150	LOT 55 LOC ON ATT PLAN R.L. 22.28	33072	-	13.0	15.0	Adj. 2.0 DRY	2.06	Adj. 2.10	98.0
								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: 07/11/2024

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: 07/11/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50579
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	07/11/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33108	8:00	150	LOT 56 LOC ON ATT PLAN R.L. 21.44	33108	-	18.0	16.5	Adj. 1.5 WET	2.02	Adj. 2.06	98.0
Material Description: BROWN SILTY CLAY & FINE ROCK FRAGMENTS											
33109	10:30	150	LOT 56 LOC ON ATT PLAN R.L. 21.95	33109	-	19.0	20.5	Adj. 1.5 DRY	2.00	Adj. 2.00	100.0
Material Description: YELLOW 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: 12/11/2024



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: 12/11/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50625
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	14/11/2024	Tested by	JM LM GMG

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33198	7:40	150	LOT 76 LOC ON ATT PLAN R.L. 20.89	33198	-	23.5	23.0	Adj. 0.5 WET	1.91	Adj. 1.98	96.5
Material Description: REDDISH BROWN & GREY SILTY CLAY											
33199	7:50	150	LOT 64 LOC ON ATT PLAN R.L. 21.03	33199	-	21.5	19.5	Adj. 2.0 WET	1.95	Adj. 2.02	96.5
Material Description: REDDISH BROWN SILTY CLAY											
33200	7:55	150	LOT 65 LOC ON ATT PLAN R.L. 21.19	33200	-	22.0	20.0	Adj. 2.0 WET	2.00	Adj. 2.04	98.0
Material Description: REDDISH BROWN SILTY CLAY											
33201	8:30	150	LOT 57 LOC ON ATT PLAN R.L. 22.60	33201	-	22.5	21.0	Adj. 1.5 WET	1.95	Adj. 2.04	95.5
Material Description: ORANGE BROWN SILTY CLAY											
33202	8:40	150	LOT 68 LOC ON ATT PLAN R.L. 21.84	33202	-	24.5	22.5	Adj. 2.0 WET	1.99	Adj. 2.00	99.5
Material Description: RED SILTY CLAY											
33203	8:40	150	LOT 69 LOC ON ATT PLAN R.L. 21.88	33203	-	17.5	17.0	Adj. 0.5 WET	2.03	Adj. 2.06	98.5
Material Description: YELLOW 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: 19/11/2024

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: 19/11/2024



Brisbane Soil Testing

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50626
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	14/11/2024	Tested by	JM LM GMG

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33204	9:15	150	LOT 66 LOC ON ATT PLAN R.L. 21.46	33204	-	20.5	20.5	Adj. -	2.01	Adj. 2.07	97.0
Material Description: BROWN SILTY CLAY											
33205	9:25	150	LOT 80 LOC ON ATT PLAN R.L. 21.80	33205	-	23.5	21.5	Adj. 2.0 WET	2.01	Adj. 2.04	98.5
Material Description: BROWN SILTY CLAY											
33206	9:40	150	LOT 81 LOC ON ATT PLAN R.L. 21.67	33206	-	21.5	20.5	Adj. 1.0 WET	2.03	Adj. 2.08	97.5
Material Description: REDDISH BROWN SILTY CLAY											
33207	10:15	150	LOT 75 LOC ON ATT PLAN R.L. 21.61	33207	-	23.5	22.0	Adj. 1.5 WET	1.97	Adj. 2.05	96.0
Material Description: BROWN SILTY CLAY											
33208	10:50	150	LOT 74 LOC ON ATT PLAN R.L. 21.58	33208	-	23.5	22.0	Adj. 1.5 WET	1.94	Adj. 1.98	98.0
Material Description: BROWN SILTY CLAY											
33209	11:25	150	LOT 67 LOC ON ATT PLAN R.L. 21.57	33209	-	20.0	20.0	Adj. -	1.97	Adj. 2.05	96.0
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: 19/11/2024

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: 19/11/2024



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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.

ABN 50 065 093 647

Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50627
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	14/11/2024	Tested by	JM LM GMG

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33210	11:40	150	LOT 73 LOC ON ATT PLAN R.L. 21.59	33210	-	23.5	23.0	Adj. 0.5 WET	2.00	Adj. 2.02	99.0
Material Description: GREY BROWN SILTY CLAY											
33211	12:15	150	LOT 71 LOC ON ATT PLAN R.L. 21.63	33211	-	26.0	24.5	Adj. 1.5 WET	1.90	Adj. 1.97	96.5
Material Description: GREY BROWN SILTY CLAY											
33212	12:30	150	LOT 72 LOC ON ATT PLAN R.L. 21.70	33212	-	23.5	22.5	Adj. 1.0 WET	2.01	Adj. 2.06	97.5
Material Description: BROWN SILTY CLAY											
33213	13:00	150	LOT 70 LOC ON ATT PLAN R.L. 21.69	33213	-	21.0	20.0	Adj. 1.0 WET	2.04	Adj. 2.07	98.5
Material Description: REDDISH 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: 19/11/2024

Checked By: G MCGRANN



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Date: 19/11/2024



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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50709
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	27/11/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33255	10:30	150	LOT 61 LOC ON ATT PLAN R.L. 21.092	33255	-	17.0	15.5	Adj. 1.5 WET	2.12	Adj. 2.11	100.5
Material Description: BROWN SILTY SANDY CLAY											
33256	13:30	150	LOT 58 LOC ON ATT PLAN R.L. 21.628	33256	-	10.5	10.0	Adj. 0.5 WET	2.19	Adj. 2.20	99.5
Material Description: BROWN SANDY GRAVELLY 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: 02/12/2024

Checked By: G MCGRANN



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Results relate only to the items tested.

Accreditation No.2415

Greg McGrann/Manager

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50710
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	28/11/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33264	7:30	150	LOT 60 LOC ON ATT PLAN R.L. 21.439	33264	-	19.5	21.0	Adj. 1.5 DRY	2.06	Adj. 2.04	101.0
Material Description: GREY BROWN SILTY CLAY											
33265	9:00	150	LOT 59 LOC ON ATT PLAN R.L. 21.442	33265	-	18.0	19.0	Adj. 1.0 DRY	2.07	Adj. 2.09	99.0
Material Description: LIGHT BROWN SILTY CLAY											
33266	9:50	150	LOT 62 LOC ON ATT PLAN R.L. 21.271	33266	-	11.0	12.5	Adj. 1.5 DRY	2.17	Adj. 2.16	100.5
Material Description: BROWN SANDY CLAY & ROCK FRAGMENTS											
								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: 02/12/2024

Checked By: G MCGRANN



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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50711
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	04/12/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33343	9:30	150	LOT 63 LOC ON ATT PLAN R.L. 20.95	33343	-	17.5	16.5	Adj. 1.0 WET	2.02	Adj. 2.09	96.5
Material Description: GREY BROWN SILTY SANDY CLAY											
33344	13:00	150	LOT 63 LOC ON ATT PLAN R.L. 21.395	33344	-	16.0	17.5	Adj. 1.5 DRY	1.99	Adj. 2.08	95.5
Material Description: BROWN SILTY CLAY & FINE ROCK FRAGMENTS											
								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: 09/12/2024

Checked By: G MCGRANN



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Accreditation No.2415

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Approved Signatory

Date: 09/12/2024



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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50712
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	05/12/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33378	10:00	150	LOT 79 LOC ON ATT PLAN R.L. 21.20	33378	-	16.5	15.5	Adj. 1.0 WET	2.10	Adj. 2.11	99.5
								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: 09/12/2024

Checked By: G MCGRANN



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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50713
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	09/12/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33409	10:00	150	LOT 78 LOC ON ATT PLAN R.L. 20.86	33409	-	18.0	17.0	Adj. 1.0 WET	2.08	Adj. 2.11	98.5
Material Description: REDDISH BROWN SILTY CLAY											
33410	13:30	150	LOT 78 LOC ON ATT PLAN R.L. 21.281	33410	-	17.0	15.0	Adj. 2.0 WET	2.07	Adj. 2.13	97.0
Material Description: REDDISH BROWN SILTY SANDY 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: 12/12/2024

Checked By: G MCGRANN



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Date: 12/12/2024



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50714
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	10/12/2024	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33443	8:20	150	LOT 82 LOC ON ATT PLAN R.L. 21.22	33443	-	20.5	20.0	Adj. 0.5 WET	1.96	Adj. 2.05	95.5
Material Description: REDDISH BROWN SILTY CLAY											
33444	10:30	150	LOT 83 LOC ON ATT PLAN R.L. 20.95	33444	-	20.0	22.5	Adj. 2.5 DRY	1.94	Adj. 2.00	97.0
Material Description: REDDISH GREY 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: 12/12/2024

Checked By: G MCGRANN



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Accreditation No.2415

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Approved Signatory

Date: 12/12/2024



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50774
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	07/01/2025	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33476	8:00	150	ROAD 11 LOC ON ATT PLAN R.L. 21.76	33476	-	19.5	21.5	Adj. 2.0 DRY	2.09	Adj. 2.05	102.0
								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: 13/01/2025



Accredited for compliance with ISO/IEC 17025 – Testing.
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Accreditation No.2415

Checked By: G MCGRANN

Greg McGrann/Manager

Approved Signatory

Date: 13/01/2025



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50777
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	16/01/2025	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33560	11:30	150	LOT 84 LOC ON ATT PLAN R.L. 20.461	33560	-	21.5	20.0	Adj. 1.5 WET	2.07	Adj. 2.07	100.0
Material Description: GREY BROWN SILTY CLAY											
33561	15:15	150	LOT 84 LOC ON ATT PLAN R.L. 20.921	33561	-	24.0	23.0	Adj. 1.0 WET	2.04	Adj. 2.04	100.0
Material Description: REDDISH GREY SILTY CLAY											
33562	15:45	150	LOT 86 LOC ON ATT PLAN R.L. 20.03	33562	-	21.5	21.5	Adj. -	2.00	Adj. 2.05	97.5
Material Description: REDDISH BROWN SILTY CLAY											
33563	16:20	150	LOT 87 LOC ON ATT PLAN R.L. 19.77	33563	-	23.0	24.0	Adj. 1.0 DRY	1.94	Adj. 2.00	97.0
Material Description: REDDISH 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: 21/01/2025

Checked By: G MCGRANN



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Accreditation No.2415

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Date: 21/01/2025



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FIELD DENSITY CERTIFICATE

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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50778
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	17/01/2025	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33566	8:15	150	LOT 85 LOC ON ATT PLAN R.L. 20.48	33566	-	22.0	23.0	Adj. 1.0 DRY	2.00	Adj. 2.00	100.0
Material Description: LIGHT BROWN SILTY CLAY											
33567	9:30	150	LOT 77 LOC ON ATT PLAN R.L. 20.57	33567	-	21.5	20.5	Adj. 1.0 WET	2.05	Adj. 2.06	99.5
Material Description: REDDISH BROWN SILTY CLAY											
33568	12:15	150	LOT 85 LOC ON ATT PLAN R.L. 20.93	33568	-	17.0	16.0	Adj. 1.0 WET	2.11	Adj. 2.14	98.5
Material Description: BROWN SILTY SANDY CLAY											
33569	14:45	150	LOT 77 LOC ON ATT PLAN R.L. 21.00	33569	-	18.5	18.5	Adj. -	2.03	Adj. 2.08	97.5
Material Description: YELLOW 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: 21/01/2025

Checked By: G MCGRANN



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Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BULK EARTHWORKS	Report No.	50804
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202404
Project	LILYWOOD LANDINGS – STAGE 3	Date Tested	14/02/2025	Tested by	GMG

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m ³	Peak Converted Wet Density t/m ³	Hilf Density Ratio %
33865	10:15	150	LOT 88 LOC ON ATT PLAN R.L. 20.41	33865	-	22.5	23.0	Adj. 0.5 DRY	1.98	Adj. 2.00	99.0
Material Description: BROWN SILTY CLAY											
33866	10:55	150	LOT 87 LOC ON ATT PLAN R.L. 20.58	33866	-	21.5	20.0	Adj. 1.5 WET	2.03	Adj. 2.06	98.5
Material Description: BROWN SILTY CLAY											
33867	11:30	150	LOT 86 LOC ON ATT PLAN R.L. 20.55	33867	-	23.5	24.0	Adj. 1.0 DRY	1.96	Adj. 1.98	99.0
Material Description: BROWN SOME GREY 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: 19/02/2025

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: 19/02/2025