

Connemar Pty. Ltd. ABN 50 065 093 647

Job No.1418

25 September 2017

BMD Constructions Pty Ltd PO Box 197 WYNNUM CENTRAL QLD 4178

Attn Glen Fuller

RE: CAPESTONE ESTATE - STAGE 19

(Allotment Fill – Geotechnical Inspection & Testing)

SCOPE

Brisbane Soil Testing were commissioned by BMD Constructions Pty Ltd to provide geotechnical inspection and testing of the allotment earthworks 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

CONTROL INSPECTION AND TESTING

An inspection of the areas to be filled was carried out on 27 April 2017 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 and vibrating pad foot roller.

Sixty-Seven field density tests were carried between 27 April 2017 and 22 September 2017. These tests recorded Dry Density Ratios between 95.0% and 102.0% relative to the standard compaction test and field moisture contents within –3.0% and +3.0% of their respective optimum moisture contents, AS1289.5.1.1.

Attached documents B37/11 (Report Nos. 41068, 40970, 40971, 40972, 40973, 40974, 40978, 40979, 40980, 40983, 40984, 40985, 41069, 41072, 41073, 41090, 41104, 41105, 41106, 41107 and 41133) provide full test data for the compaction control tests.

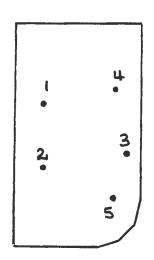
CONCLUSION

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 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



CRAIGIE ST

Field Density Results

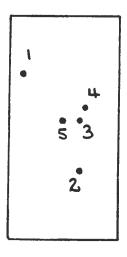
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (9030)	6.5.17	o/s 10m Rear bdy, o/s 3m Left bdy. R.L.3.94	96.0
2 (9180)	18.5.17	o/s 11m Front bdy, o/s 3m Left bdy. R.L.4.32	100.5
3 (10303)	24.8.17	o/s 12m Front bdy, o/s 1m Right bdy. R.L.2.86.	96.5
4 (10389)	29.8.17	o/s 7m Rear bdy, o/s 2m Right bdy. R.L.3.57	99.5
5 (10425)	31.8.17	o/s 6m Front bdy, o/s 2m Right bdy. R.L.4.06	100.5

In our opinion fill on Lot 1759 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





CRAIGIE ST

Field Density Results

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Test No.	Date Tested	Test I Location	Ory Density Ratio % AS1289 5.4.1
110.			(Standard)
1 (8923)	27.4.17	o/s 5m Rear bdy, o/s 1m Left bdy. R.L.3.40.	99.0
2 (9022)	5.5.17	o/s 9m Front bdy, o/s 4m Right bdy. R.L.3.81	97.5
3 (9054)	9.5.17	o/s 12m Rear bdy, o/s 4m Right bdy. R.L.4.40	96.0
4 (9181)	18.5.17	o/s 10m Rear bdy, o/s 5m Right bdy. R.L.4.83	92.5
5 (9395)	7.6.17	o/s 12m Rear bdy, o/s 6m Right bdy. R.L.4.80. R	etest 100.5

In our opinion fill on Lot 1760 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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







Field Density Results

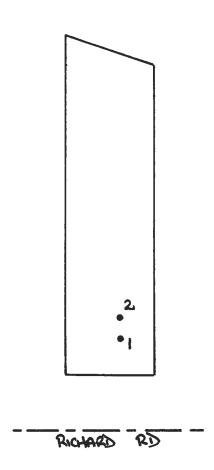
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10352)	26.8.17	o/s 5m Front bdy, o/s 3m Left bdy. R.L.2.91	99.5
2 (10388) 3 (10426)	29.8.17 31.8.17	o/s 2m Front bdy, o/s 4m Left bdy. R.L.3.51 o/s 5m Front bdy, o/s 3m Left bdy. R.L.4.14	98.5 99.0

In our opinion fill on Lot 1761 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

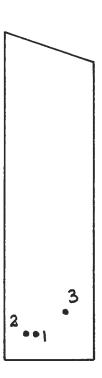
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10387)	29.8.17	o/s 3m Front bdy, o/s 4m Right bdy. R.L.3.54 o/s 6m Front bdy, o/s 4m Right bdy. R.L.4.30	99.0
2 (10427)	31.8.17		100.0

In our opinion fill on Lot 1762 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.









Field Density Results

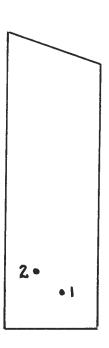
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10333)	25.8.17	o/s 3m Front bdy, o/s 3m Left bdy. R.L.3.20	99.0
2 (10386)	29.8.17	o/s 3m Front bdy, o/s 2m Left bdy. R.L.3.87	100.0
3 (10428)	31.8.17	o/s 7m Front bdy, o/s 3m Right bdy. R.L.4.41	100.5

In our opinion fill on Lot 1763 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





RICHARD RD

Field Density Results

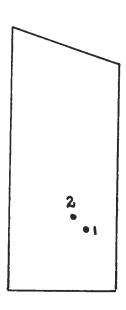
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10385)	29.8.17	o/s 4m Front bdy, o/s 4m Right bdy. R.L.3.83 o/s 7m Front bdy, o/s 4m Left bdy. R.L.4.50	98.5
2 (10429)	31.8.17		95.0

In our opinion fill on Lot 1764 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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RICHARD RD

Field Density Results

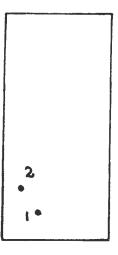
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10430)	31.8.17	o/s 7m Front bdy, o/s 3m Right bdy. R.L.4.10 o/s 8m Front bdy, o/s 4m Right bdy. R.L.4.59.	99.5
2 (10811)	21.9.17		99.5

In our opinion fill on Lot 1765 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10332)	25.8.17	o/s 2m Front bdy, o/s 4m Left bdy. R.L.3.82	97.0
2 (10431)	31.8.17	o/s 4m Front bdy, o/s 2m Left bdy. R.L.4.56	100.5

In our opinion fill on Lot 1766 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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RICHARD RD

Field Density Results

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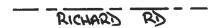
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10432)	31.8.17	o/s 4m Front bdy, o/s 3m Right bdy. R.L.4.56	101.5

In our opinion fill on Lot 1767 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

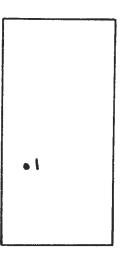
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10433)	31.8.17	o/s 7m Front bdy, o/s 4m Left bdy. R.L.5.61	95.0

In our opinion fill on Lot 1768 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10434)	31.8.17	o/s 9m Front bdy, o/s 2m Left bdy. R.L.6.43	98.0

In our opinion fill on Lot 1769 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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RICHARD RD

Field Density Results

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Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10806)	21.9.17	o/s 2m Rear bdy, o/s 2m Left bdy. R.L.7.53.	100.5

In our opinion fill on Lot 1770 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10807)	21.9.17	o/s 3m Rear bdy, o/s 2m Left bdy. R.L.8.08.	101.0

In our opinion fill on Lot 1771 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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RICHARD RD

Field Density Results

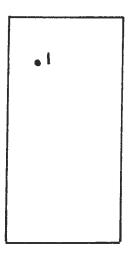
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10803)	20.9.17	o/s 4m Rear bdy, o/s 2m Left bdy. R.L.9.07.	97.5

In our opinion fill on Lot 1772 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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RICHARD RD

Field Density Results

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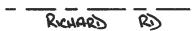
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10802)	20.9.17	o/s 4m Rear bdy, o/s 3m Left bdy. R.L.9.83.	96.5

In our opinion fill on Lot 1773 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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







Field Density Results

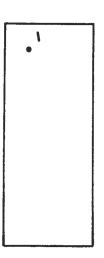
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10801)	20.9.17	o/s 4m Rear bdy, o/s 3m Left bdy. R.L.10.47.	95.5

In our opinion fill on Lot 1774 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

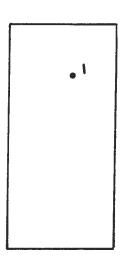
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10780)	20.9.17	o/s 2m Rear bdy, o/s 3m Left bdy. R.L.6.57.	96.0

In our opinion fill on Lot 1775 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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







Field Density Results

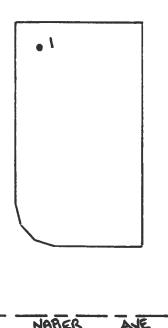
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10800)	20.9.17	o/s 4m Rear bdy, o/s 6m Right bdy. R.L.11.21.	99.0

In our opinion fill on Lot 1776 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.







Field Density Results

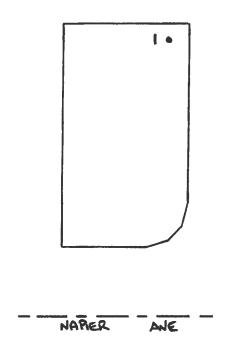
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Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10808)	21.9.17	o/s 2m Rear bdy, o/s 2m Left bdy. R.L.11.17.	96.0

In our opinion fill on Lot 1777 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

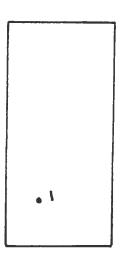
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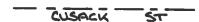
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10809)	21.9.17	o/s 1m Rear bdy, o/s 2m Right bdy. R.L.9.72.	97.0

In our opinion fill on Lot 1780 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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







Field Density Results

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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10692)	14.9.17	o/s 6m Front bdy, o/s 3m Left bdy. R.L.9.80.	98.5

In our opinion fill on Lot 1781 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





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Field Density Results

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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10693)	14.9.17	o/s 7m Front bdy, o/s 4m Left bdy. R.L.9.61.	101.0

In our opinion fill on Lot 1782 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

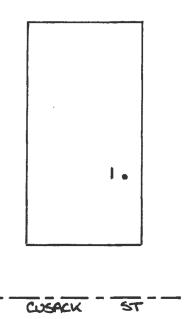
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10877)	22.9.17	o/s 7m Front bdy, o/s 1m Right bdy. R.L.9.22.	96.5

In our opinion fill on Lot 1783 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

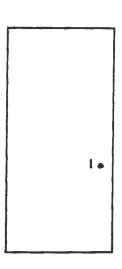
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10878)	22.9.17	o/s 8m Front bdy, o/s 2m Right bdy. R.L.8.73.	97.5

In our opinion fill on Lot 1784 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





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Field Density Results

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Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10528)	5.9.17	o/s 10m Front bdy, o/s 1m Right bdy. R.L.8.32.	97.0

In our opinion fill on Lot 1785 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





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Field Density Results

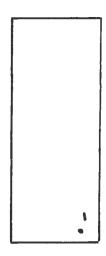
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Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10527)	5.9.17	o/s 4m Rear bdy, o/s 1m Right bdy. R.L.8.12.	96.5

In our opinion fill on Lot 1786 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.

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Field Density Results

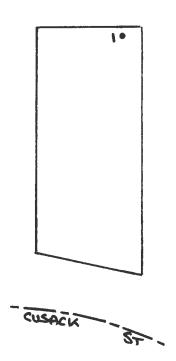
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Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10879)	22.9.17	o/s 1m Front bdy, o/s 2m Right bdy. R.L.6.82.	98.5

In our opinion fill on Lot 1790 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

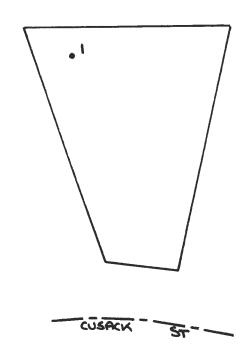
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10810)	21.9.17	o/s 1m Rear bdy, o/s 2m Right bdy. R.L.6.74.	95.5

In our opinion fill on Lot 1791 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

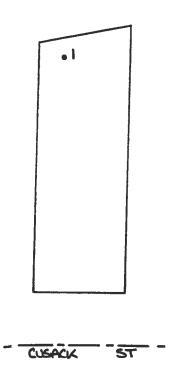
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10805)	21.9.17	o/s 3m Rear bdy, o/s 4m Left bdy. R.L.6.75.	96.5

In our opinion fill on Lot 1792 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.







Field Density Results

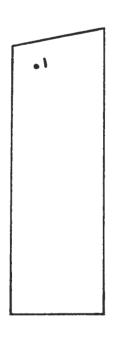
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10781)	20.9.17	o/s 2m Rear bdy, o/s 3m Left bdy. R.L.6.72.	97.0

In our opinion fill on Lot 1793 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





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Field Density Results

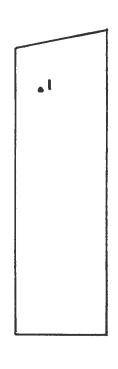
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10804)	21.9.17	o/s 2m Rear bdy, o/s 3m Left bdy. R.L.6.60.	98.0

In our opinion fill on Lot 1794 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





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Field Density Results

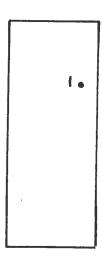
Page 1 of 1

Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10779)	20.9.17	o/s 4m Rear bdy, o/s 3m Left bdy. R.L.10.89.	98.5

In our opinion fill on Lot 1795 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





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Field Density Results

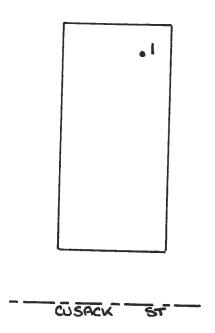
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10525)	5.9.17	o/s 6m Rear bdy, o/s 2m Right bdy. R.L.6.54.	101.5

In our opinion fill on Lot 1796 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

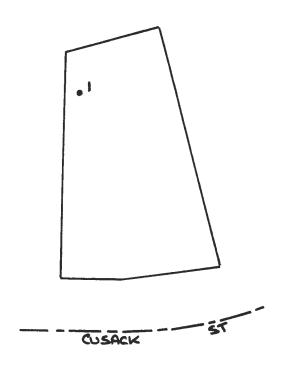
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10524)	5.9.17	o/s 3m Rear bdy, o/s 3m Right bdy. R.L.6.62.	99.5

In our opinion fill on Lot 1797 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

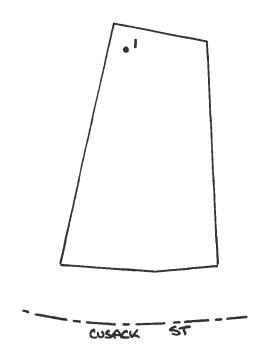
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10523)	5.9.17	o/s 4m Rear bdy, o/s 2m Left bdy. R.L.6.67.	96.5

In our opinion fill on Lot 1798 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

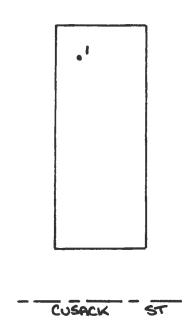
Page 1 of 1

Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10522)	5.9.17	o/s 2m Rear bdy, o/s 2m Left bdy. R.L.6.81.	96.5

In our opinion fill on Lot 1799 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

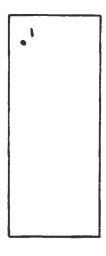
Page 1 of 1

Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10521)	5.9.17	o/s 3m Rear bdy, o/s 3m Left bdy. R.L.6.88.	95.5

In our opinion fill on Lot 1800 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





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Field Density Results

Page 1 of 1

Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10526)	5.9.17	o/s 3m Rear bdy, o/s 2m Left bdy. R.L.7.20.	97.5

In our opinion fill on Lot 1801 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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







Field Density Results

Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10520)	5.9.17	o/s 4m Front bdy, o/s 2m Left bdy. R.L.7.44.	99.0

In our opinion fill on Lot 1802 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





CUSACK ST

Field Density Results

Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10519)	5.9.17	o/s 6m Front bdy, o/s 3m Right bdy. R.L.8.08.	96.5

In our opinion fill on Lot 1803 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





CUSACK ST

Field Density Results

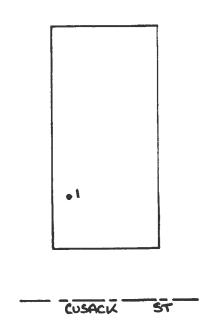
Page 1 of 1

Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10518)	5.9.17	o/s 3m Front bdy, o/s 1m Left bdy. R.L.8.42.	100.0

In our opinion fill on Lot 1804 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

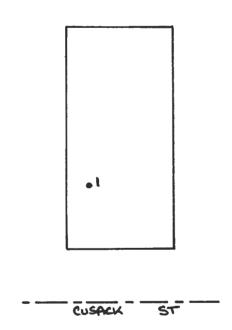
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10517)	5.9.17	o/s 5m Front bdy, o/s 2m Left bdy. R.L.8.80.	102.0

In our opinion fill on Lot 1805 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

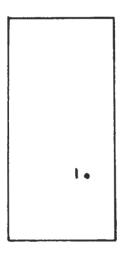
Page 1 of 1

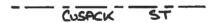
Test	Date	Test	Dry Density Ratio % AS1289 5.4.1 (Standard)
No.	Tested	Location	
1 (10513)	1.9.17	o/s 7m Front bdy, o/s 3m Left bdy. R.L.9.31	98.5

In our opinion fill on Lot 1806 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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.









Field Density Results

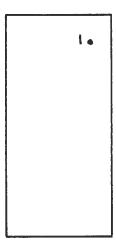
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10514)	1.9.17	o/s 8m Front bdy, o/s 3m Right bdy. R.L.9.19.	98.5

In our opinion fill on Lot 1807 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





NARER AVE

Field Density Results

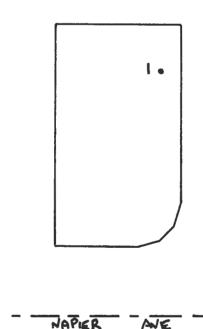
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10516)	1.9.17	o/s 3m Rear bdy, o/s 2m Right bdy. R.L.8.21.	97.0

In our opinion fill on Lot 1810 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

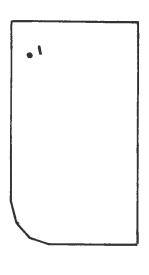
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10515)	1.9.17	o/s 5m Rear bdy, o/s 2m Right bdy. R.L.7.97.	97.5

In our opinion fill on Lot 1811 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





NAPIER AVE

Field Density Results

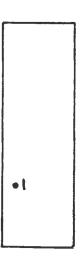
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10691)	14.9.17	o/s 3m Rear bdy, o/s 2m Left bdy. R.L.8.04.	98.0

In our opinion fill on Lot 1812 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





BERESFORD ST

Field Density Results

Page 1 of 1

Test No.			Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10689)	14.9.17	o/s 7m Front bdy, o/s 2m Left bdy. R.L.6.73.	98.0

In our opinion fill on Lot 1816 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





BERESFORD ST

Field Density Results

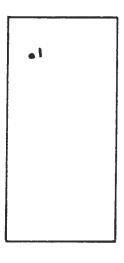
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10688)	14.9.17	o/s 5m Front bdy, o/s 3m Right bdy. R.L.6.70.	99.0

In our opinion fill on Lot has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





NARER ANE

Field Density Results

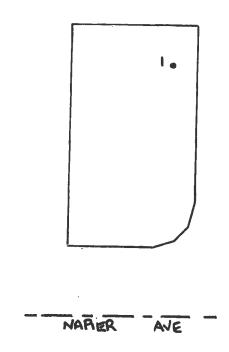
Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10690)	14.9.17	o/s 4m Rear bdy, o/s 3m Left bdy. R.L.6.51.	98.0

In our opinion fill on Lot 1818 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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





Field Density Results

Page 1 of 1

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (10778)	20.9.17	o/s 4m Rear bdy, o/s 3m Right bdy. R.L.11.34.	100.0

In our opinion fill on Lot 1836 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that 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

20/1191 Anzac Ave Kallangur Q 4503 Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Email. brissoil@bigpond.net.au

BMD CONSTRUCTIONS PTY LTD ALLOTMENT FILL Report No. 41068 Customer Feature Address PO BOX 197, WYNNUM CENTRAL QLD 4178 Location SEE BELOW Job No. 1418 Tested by Project CAPESTONE ESTATE – STAGE 19 Date Tested 27/4/2017 JM

Field Test N ⁰ Sample N ⁰	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ove 19mm/3		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
8923	8.30	150	LOT 1760 5m Rear bdy, 1m Left bdy R.L.3.40	8923 Material Des	- crintion	- GREY-	15.5 BROWN SI	Adj. 12.5	3.0 WET VELLY CI	124.0	1.82	Adj. 1.84	99.0
			R.E.J. 10	Witterful Des	cription.	GILLI	DRO WIV SI	Adj.	VEEET CI			Adj.	
				Material Description:									
								Adj.				Adj.	
				Material Des	cription:			I			<u> </u>	<u> </u>	
					1			Adj.				Adj.	
				Material Des	crintion:								
				TVIWVOITWI D VO	• inputoin			Adj.				Adj.	
				Material Des	crintion:								
				Waterial Bes	eription.			Adj.				Adj.	
				Material Des	cription:					•	•		
Remarks:									Re	quired Dry De	ensity Ratio	95% STD)
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined of	on materi	ial finer	than 19mm			<u> </u>			
Date:19.9.17	Prepared By: G MCGRANN Date:19.9.17 Checked By: R MCGRANN		NATA	Accredited	d for compl	iance with ISO/II	EC 17025 – Testi	Gre	eg McGrann/N proved Signat		1 de la	0	
P37/11	Dage	1 - 1	Q	Accreditation No.2	2415					Date:19.9.17			

Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40970
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	5/5/2017	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
9022	8.00	150	LOT 1760 9m Front bdy, 4m Right bdy R.L.3.81	9022 Material Des	- cription:	- LIGHT	16.0 BROWN S	Adj. 16.0 ILTY CLA`	- Y & ROCK	100.0 FRAGMEN	1.74 TS	Adj. 1.78	97.5
								Adj.				Adj.	
				Material Description:									
								Adj.				Adj.	
				Material Des	cription:			•		•	•	•	
					- r · · ·			Adj.				Adj.	
				Material Des	crintion:							<u> </u>	1
				Waterial Des	cription.	I		Adj.				Adj.	
								rag.				114).	
				Material Des	cription:								
								Adj.				Adj.	
				Material Des	cription:								
Remarks:					<u> </u>				Req	uired Dry De	ensity Ratio	95% STE)
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined on material finer than 19mm					· · ·	-			
Date:12.9.17	Test Procedures: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Prepared By: G MCGRANN Date:12.9.17 Checked By: R MCGRANN		NATA	Accredite	d for compl	iance with ISO/II	EC 17025 – Testi	Gre	g McGrann/N		Just Wil	0	
Checked By:		1-1	Q	Accreditation No.2	2415					Approved Signatory Date:12.9.17			

Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40971
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	6/5/2017	Tested by	JC

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction No	% Ov 19mm/3 Wet	ersize 37.5mm Dry	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
9030	9.00	150	LOT 1759 10m Rear bdy, 3m Left bdy R.L.3.94	9030 Material Des	- cription:	- LIGHT	16.5 BROWN S	Adj. 14.5 ILTY SANI	2.0 WET	114.0	1.74	Adj. 1.81	96.0
					r			Adj.				Adj.	
				Material Des	cription:								
					•			Adj.				Adj.	
				Material Des	cription:			<u> </u>			l		
					1			Adj.				Adj.	
				Material Des	cription:								
								Adj.				Adj.	
				Material Des	cription:						<u> </u>		
				Triaterial Des	emption.			Adj.				Adj.	
				Material Des	cription:					•	•		
Remarks:									Req	uired Dry De	ensity Ratio	95% STE)
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined on material finer than 19mm					-				
Date:12.9.17	72.00		NATA Accredited for compliance with ISO/IEC 17025 – Testing.					Greg	g McGrann/N		P D lol	0	
Checked By:		1 - 1	le	Accreditation No.2	2415					Approved Signatory Date:12.9.17			

Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40972
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	9/5/2017	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
9054	10.00	150	LOT 1760 12m Rear bdy, 4m Right bdy R.L.4.40	9054 Material Des	- crintion:	- DARK	14.5	Adj. 12.5	2.0 WET	116.0	1.87	Adj. 1.95	96.0
			K.L.4.40	Waterial Des	cription.	DAKK	DROWN SI	Adj.	JI CLAI			Adj.	
				Material Description:						<u> </u>			
					1			Adj.				Adj .	
				Material Des	cription:							<u> </u>	
					r			Adj.				Adj.	
				Material Des	cription:			<u> </u>				<u> </u>	
				TVIWOTIWI D CO	<u> </u>			Adj.				Adj.	
				Material Des	cription:								
				Witterful Des	cription.			Adj.		T		Adj.	
				Material Des	cription:			•					
Remarks:									Reg	uired Dry De	ensity Ratio	o 95% STE)
Test Procedu	ires: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined on material finer than 19mm									
Date:12.9.17			NATA Accredited for compliance with ISO/IEC 17025 – Testing.					Gre	g McGrann/I		DO Wall	0	
Checked By:		1 - 1	le	Accreditation No.2	2415					Approved Signatory Date:12.9.17			

Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40973
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	18/5/2017	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction No	% Ov 19mm/3		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
9180	9.00	150	LOT 1759 11m Front bdy, 3m Left bdy R.L.4.32	9180 Material Des	6.0	6.0	14.0	Adj. 14.0	- V & DOCK	100.0	1.86	Adj. 1.85	100.5
9181	9.30	150	LOT 1760 10m Rear bdy, 5m Right bdy R.L.4.83	9181 Material Des	-	-	14.0	Adj. 12.0	2.0 WET	116.5	1.70	Adj. 1.84	92.5
			102.1.05	Tracerial Bes	emption.	LIGITI	Dito WIV 5	Adj.				Adj.	
				Material Des	cription:			Adj.				Adj.	
				Material Des	cription:			Adj.			1	Adj.	
				Material Des	crintion:			Auj.				Auj.	
				Waterial Des	emption.			Adj.				Adj.	
				Material Des	cription:					· ·			
Remarks:									Red	quired Dry De	ensity Ratio	95% STE)
			.1, 5.4.1, 2.1.1	Determined on material finer than 19mm									
Prepared By: Date:12.9.17 Checked By:			Q	NATA Accreditation No.2		d for compl	iance with ISO/II	EC 17025 – Testi	App	g McGrann/N proved Signat e:12.9.17		Proba lack	2

Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40974
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	7/6/2017	Tested by	JM

Field Test N ⁰ Sample N ⁰	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio
9395 RETEST	8.00	150	LOT 1760 12m Rear bdy, 6m Right bdy R.L.4.80	9395 Material Des	- cription:	- LIGHT	15.0 BROWN S	Adj. 15.0 ILTY CLA	- Y	100.0	1.83	Adj. 1.82	100.5
					1			Adj.				Adj.	
				Material Des	cription:						l		
								Adj.				Adj.	
				Material Des	cription:								
								Adj.				Adj.	
				Material Des	cription:					<u> </u>	<u> </u>	<u> </u>	
					1			Adj.				Adj.	
				Material Des	cription:						l	<u> </u>	
								Adj.				Adj.	
				Material Des	cription:								
Remarks: To	est 9395 is	a retest for	· test 9181.		•				Red	auired Dry De	ensity Ratio	95% STE)
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Required Dry Density Ratio 95% STD Determined on material finer than 19mm									
Prepared By: Date:12.9.17 Checked By:		72.0	Q	NATA Accreditation No.2		d for compl	iance with ISO/II	EC 17025 – Testi	App	eg McGrann/N proved Signat te:12.9.17		Just wil	2

Brisbane Soil Testing

20/1191 Anzac Ave Kallangur Q 4503 Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Email. brissoil@bigpond.net.au

BMD CONSTRUCTIONS PTY LTD ALLOTMENT FILL Report No. 40978 Customer Feature Address PO BOX 197, WYNNUM CENTRAL QLD 4178 Location SEE BELOW Job No. 1418 **Project** Tested by CAPESTONE ESTATE – STAGE 19 Date Tested 24/8/2017 JM

Field Test N ⁰ Sample N ⁰	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ov 19mm/3 Wet	ersize 37.5mm Dry	Field Moisture Content %	Optimum Moisture Content	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10303	9.00	150	LOT 1759 12m Front bdy, 1m Right bdy R.L.2.86	10303 Material Des	- cription:	- BROW	14.5 N SILTY SA	Adj. 13.5 ANDY CLA	1.0 WET Y & FINE	107.5 ROCK FRA	1.83 GMENTS	Adj. 1.90	96.5
					•			Adj.				Adj.	
				Material Des	cription:			•		•			
					•			Adj.				Adj.	
				Material Des	cription:			<u> </u>					
					1			Adj.				Adj.	
				Material Des	cription:								
				111410114112	onpuon.			Adj.				Adj.	
				Material Des	cription:								
				11100011011200	• i i p vi o i i .			Adj.				Adj.	
				Material Des	cription:								
Remarks:									Req	uired Dry De	ensity Ratio	o 95% STE)
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined on material finer than 19mm									
Prepared By: Date:12.9.17		78.00		NATA Accredited for compliance with ISO/IEC 17025 – Testing. Greg McGrann/Manager							0		
Checked By:		1 - 1	le	Accreditation No.2415 Approved Signatory Date:12.9.17							a		

Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Email. brissoil@bigpond.net.au

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40979
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	25/8/2017	Tested by	JM

Field Test N ^O Sample N ^O	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10332	9.00	150	LOT 1766 2m Front bdy, 4m Left bdy R.L.3.82	10332 Material Des	- cription:	- LIGHT	17.5 GREY-BRO	Adj. 18.0 OWN SILT	0.5 DRY Y CLAY	97.0	1.68	Adj. 1.73	97.0
10333	9.30	150	LOT 1763 3m Front bdy, 3m Left bdy R.L.3.20	10333 Material Des	-	-	20.0	Adj. 21.5	1.5 DRY	93.0	1.64	Adj. 1.66	99.0
								Adj.				Adj.	
				Material Des	cription:			Adj.				Adj.	
				Material Des	cription:	I				1	1	1	
								Adj.				Adj.	
				Material Des	cription:	I				1	<u> </u>	<u> </u>	
								Adj.				Adj.	
				Material Des	cription:			<u> </u>			<u>I</u>	<u> </u>	
Remarks:					•				Req	uired Dry De	ensity Ratio	95% STE)
Test Procedu	ıres: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined	on mater	ial finer	than 19mm						
Prepared By Date:12.9.17	7	755-401		NATA Accredited for compliance with ISO/IEC 17025 – Testing. Greg McGrann/Manager						00	0		
Checked By:		1-1.	ها	Accreditation No.2	2415					roved Signat e:12.9.17	ory (Z JEE 1 (C)	a

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Page 1 of 1

Brisbane Soil Testing

20/1191 Anzac Ave Kallangur Q 4503 Ph.(07) 3285 6536

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Email. brissoil@bigpond.net.au

BMD CONSTRUCTIONS PTY LTD ALLOTMENT FILL Report No. Customer Feature 40980 Address PO BOX 197, WYNNUM CENTRAL QLD 4178 Location SEE BELOW Job No. 1418 Tested by Project CAPESTONE ESTATE – STAGE 19 Date Tested 26/8/2017 JM

FIELD DENSITY CERTIFICATE

Time of Test	Depth of Test mm	Test Location	Lab Compaction No			Field Moisture Content %	Optimum Moisture Content %			Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio
9.00	150	LOT 1761 5m Front bdy, 3m Left bdy	10352 Material Des	- crintion:	- LIGHT	14.0 GREV-BRO	Adj. 15.5	1.5 DRY	90.5	1.76	Adj. 1.77	99.5
		K.L.2.71	Waterial Des	cription.	LIGITI	GRE I -BR	Adj.	CLATE	X ROCK FRA	GWIENTS	Adj.	
			Material Des	cription:			•		•	•	•	
							Adj.				Adj.	
			Material Des	cription:			<u> </u>				<u>. </u>	
				1			Adj.				Adj.	
			Material Des	cription:					-			
				r			Adj.				Adj.	
			Material Des	cription:			<u> </u>			<u> </u>		
				• inputoin			Adj.				Adj.	
			Material Des	cription:						1		
								Red	quired Dry De	ensity Ratio	95% STE)
ires: AS128	39 5.1.1,5.3	1, 5.4.1, 2.1.1	Determined of	n materi	ial finer	than 19mm			. ,			
: G MCGRA	ANN		NATA Accreditation No.2		d for compl	iance with ISO/II	EC 17025 – Testi	App	proved Signat		Auch lel	<i>Q</i>
	of Test 9.00	of Test Test mm 9.00 150 arres: AS1289 5.1.1,5.3.	of Test Test mm 150	of Test Test mm Test Location Compaction No Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Determined of Material Des Services: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1	of Test mm	of Test mm Test Location Test mm LoT 1761 9.00 150 Sm Front bdy, 3m Left bdy R.L.2.91 Material Description: Material Description:	of Test mm	of Test with min Test Location Test with min	of Test mm	of Test Test Location Test Material Description: Adj. Material Description: Material Description: Adj. Material Description:	of Test Test Compaction No Wet Dry Moisture Content % Wet Dry % Moisture Content % % Pensity t/m3 150 LOT 1761	Compaction Compaction No

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Email. brissoil@bigpond.net.au

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40983
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	29/8/2017	Tested by	JM

Field Test N ⁰ Sample N ⁰	Time of Test	Depth of Test mm	Test Location	Lab Compaction No	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10385	9.00	150	LOT 1764 4m Front bdy, 4m Right bdy R.L.3.83	10385 Material Des	- cription:	- LIGHT	18.5 GREY-BRO	Adj . 17.0 OWN SILT	1.5 WET Y SANDY C	109.0 CLAY	1.72	Adj. 1.75	98.5
10386	9.30	150	LOT 1763 3m Front bdy, 2m Left bdy R.L.3.87	10386 Material Des	-	-	16.0	Adj. 17.0	1.0 DRY	94.0	1.71	Adj. 1.71	100.0
10387	10.00	150	LOT 1762 3m Front bdy, 4m Right bdy R.L.3.54	10387 Material Des	-	-	16.5	Adj. 16.5	-	100.0	1.76	Adj. 1.78	99.0
10388	10.30	150	LOT 1761 2m Front bdy, 4m Left bdy R.L.3.51	10388 Material Des	-	-	15.5	Adj . 16.0	0.5 DRY	97.0	1.73	Adj. 1.76	98.5
10389	11.00	150	LOT 1759 7m Rear bdy, 2m Right bdy R.L.3.57	10389 Material Des	-	ı	16.0	Adj . 15.5	0.5 WET	103.0	1.78	Adj. 1.79	99.5
			142.0.0		•			Adj.				Adj.	
Remarks:				Material Des	•				Requ	ired Dry De	ensity Ratio	95% STD)
Test Procedo			.1, 5.4.1, 2.1.1	Determined of	on mater	ial finer	than 19mm						

Test Procedures: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1

Prepared By: G MCGRANN

Date:12.9.17

Checked By: R MCGRANN

Accredited for compliance with ISO/IEC 17025 – Testing.

Accreditation No.2415

Greg McGrann/Manager Approved Signatory Date:12.9.17 Chech w.Com

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40984
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	31/8/2017	Tested by	JM AC

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction No	% Ove 19mm/3		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10425	8.00	150	LOT 1759 6m Front bdy, 2m Right bdy R.L.4.06	10425 Material Des	- cription:	- LIGHT	15.0 BROWN S	A dj . 15.5 ILTY CLA	0.5 DRY Y & ROCK	97.0 FRAGMEN	1.80 TS	Adj. 1.79	100.5
10426	8.00	150	LOT 1761 5m Front bdy, 3m Left bdy R.L.4.14	10426 Material Des	-	-	16.0	Adj. 16.5	0.5 DRY	97.0	1.76	Adj. 1.78	99.0
10427	8.30	150	LOT 1762 6m Front bdy, 4m Right bdy R.L.4.30	10427 Material Des	- cription:	- LIGHT	17.0 GREY-BRO	Adj. 15.5 OWN SILT	1.5 WET Y CLAY &	109.5	1.73 GMENTS	Adj. 1.73	100.0
10428	8.30	150	LOT 1763 7m Front bdy, 3m Right bdy R.L.4.41	10428 Material Des	-	-	16.5	Adj . 14.0	2.5 WET	118.0	1.81	Adj. 1.80	100.5
10429	9.00	150	LOT 1764 7m Front bdy, 4m Left bdy R.L.4.50	10429 Material Des	-	-	6.5	Adj . 9.0	2.5 DRY	72.0	1.98	Adj. 2.08	95.0
10430	9.00	150	LOT 1765 7m Front bdy, 3m Right bdy R.L.4.10	10430 Material Des	-	-	14.5	Adj . 14.5	-	100.0	1.81	Adj. 1.82	99.5
Remarks:					•				Requ	iired Dry De	ensity Ratio	95% STD)
			.1, 5.4.1, 2.1.1	Determined of	on mater	ial finer	than 19mm						
Date:12.9.17	Prepared By: G MCGRANN Date:12.9.17				Accredite	d for compl	iance with ISO/II	EC 17025 – Testi	Greg	<i>McGrann/N</i> oved Signat	- /	100 W.	2
Checked By:	Checked By: R MCGRANN				2415					:12.9.17	•	287.1	

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	40985
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	31/8/2017	Tested by	JM AC

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction No	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10431	9.30	150	LOT 1766 4m Front bdy, 2m Left bdy R.L.4.56	10431 Material Des	- cription:	- LIGHT	15.5 BROWN S	Adj. 15.0 ILTY CLA	0.5 WET Y & ROCK	103.5 FRAGMEN	1.78 TS	Adj. 1.77	100.5
10432	9.30	150	LOT 1767 4m Front bdy, 3m Right bdy R.L.4.89	10432 Material Des	-	-	12.5	Adj. 14.5	2.0 DRY	86.0	1.85	Adj. 1.82	101.5
10433	10.00	150	LOT 1768 7m Front bdy, 4m Left bdy R.L.5.61	10433 Material Des	- cription:	- GREY-	16.0 BROWN SI	Adj. 16.0 LTY CLAY	- 7 & ROCK	100.0 FRAGMEN	1.67 TS	Adj. 1.76	95.0
10434	10.00	150	LOT 1769 9m Front bdy, 2m Left bdy R.L.6.43	10434 Material Des	-	-	15.0	Adj . 12.5	2.5 WET	120.0	1.87	Adj. 1.91	98.0
			K.L.0.43		1		BROWN SI	Adj.	OT CLAT			Adj.	
				Material Des	cription:			Adj.		T		Adj.	
Remarks:				Material Des	cription:				Rea	uired Dry De	ensity Ratio	95% STF	
Prepared By Date:12.9.17	repared By: G MCGRANN ate:12.9.17 necked By: R MCGRANN						than 19mm	EC 17025 – Testi	ng. <i>Gre</i>	g McGrann/Nroved Signate:12.9.17	J Manager	19376 STL	2

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	41069
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	1/9/2017	Tested by	JM AC

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^O	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10513	8.30	150	LOT 1806 7m Front bdy, 3m Left bdy R.L.9.31	10513 Material Des	- cription	- LIGHT	13.0 REDDISH-	Adj. 15.5 BROWN S	2.5 DRY ILTY SAN	84.0 DY CLAY	1.76	Adj. 1.79	98.5
10514	9.00	150	LOT 1807 8m Front bdy, 3m Right bdy R.L.9.19	10514 Material Des	-	-	16.5	Adj. 15.0	1.5 WET	110.0	1.79 NTS	Adj. 1.82	98.5
10515	9.30	150	LOT 1811 5m Rear bdy, 2m Right bdy R.L.7.97	10515 Material Des	-	-	13.0	Adj. 14.5	1.5 DRY	89.5	1.79	Adj. 1.84	97.5
10516	10.00	150	LOT 1810 3m Rear bdy, 2m Right bdy R.L.8.21	10516 Material Des	-	-	12.5	Adj . 13.5	1.0 DRY	92.5	1.82	Adj. 1.88	97.0
			N.E.0.21		1	LIGITI	DRO WIVE	Adj.	II a Roc	KTRIGNE	1115.	Adj.	
				Material Des	cription:			Adj.				Adj.	
Remarks:				Material Des	cription:					•			
Test Procedu	ires: AS128	39 5.1.1,5.3	3.1, 5.4.1, 2.1.1	Determined of	on mater	ial finer	than 19mm		Rec	uired Dry De	ensity Ratio	95% STE)
Prepared By Date:19.9.17 Checked By:	Prepared By: G MCGRANN Date:19.9.17 Checked By: R MCGRANN Page 1 of 1				Accreditation No.2415 Accredited for compliance with ISO/IEC 17025 – Testing. Greg McGrann/Man Approved Signatory Date:19.9.17							100 VC	2

Kallangur Q 4503 Ph.(07) 3285 6536

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTION PTY LTD	Feature	ALLOTMENT FILL	Report No.	41072
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	5/9/2017	Tested by	JC JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction NO	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10517	8.00	150	LOT 1805 5m Front bdy, 2m Left bdy R.L.8.80	10517 Material Des	- cription:	- BROW	13.5 N SILTY SA	Adj. 13.5 ANDY CLA	- NY & ROCK	100.0	1.92	Adj. 1.88	102.0
10518	8.00	150	LOT 1804 3m Front bdy, 1m Left bdy R.L.8.42	10518 Material Des	-	-	19.0	Adj. 18.0	1.0 WET	105.5	1.78	Adj. 1.78	100.0
10519	8.30	150	LOT 1803 6m Front bdy, 3m Right bdy R.L.8.08	10519 Material Des	-	-	12.0	Adj. 11.5	0.5 WET	104.5	1.90	Adj. 1.97	96.5
10520	8.30	150	LOT 1802 4m Front bdy, 2m Left bdy	10520	-	-	13.5	Adj . 12.5	1.0 WET	108.0	1.86	Adj. 1.88	99.0
10521	9.00	150	R.L.7.44 LOT 1800 3m Rear bdy, 3m Left bdy R.L.6.88	Material Des 10521 Material Des	-	-	11.0	Adj . 12.0	1.0 DRY	91.5	1.87	Adj. 1.96	95.5
10522	9.30	150	LOT 1799 2m Rear bdy, 2m Left bdy R.L.6.81	10522 Material Des	-	-	15.0	Adj . 17.5	2.0 DRY Y & ROCK	88.5 FRAGMEN	1.73	Adj. 1.79	96.5
Remarks:					1				Requ	iired Dry De	ensity Ratio	95% STD)
Prepared By Date:19.9.17	Test Procedures: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 repared By: G MCGRANN pate:19.9.17 Thecked By: R MCGRANN						than 19mm	EC 17025 – Testi	Appr	McGrann/Noved Signat:19.9.17	- /	Sues tel	<i>O</i>

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD CONSTRUCTION PTY LTD	Feature	ALLOTMENT FILL	Report No.	41073
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	5/9/2017	Tested by	JM JC

Field Test N ⁰ Sample N ⁰	Time of Test	Depth of Test mm	Test Location	Lab Compaction No	% Ov 19mm/3 Wet		Field Moisture Content	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio
10523	9.30	150	LOT 1798 4m Rear bdy, 2m Left bdy	10523	-	-	12.5	Adj . 12.0	0.5 WET	104.0	1.90	Adj. 1.97	96.5
10524	10.00	150	R.L.6.67 LOT 1797 3m Rear bdy, 3m Right bdy	Material Des	-	-	9.0	Adj. 9.5	0.5 DRY	94.5	2.03	Adj. 2.04	99.5
10525	10.00	150	R.L.6.62 LOT 1796 6m Rear bdy, 2m Right bdy	Material Des	-	-	14.5	Adj. 14.0	0.5 WET	103.5	1.88	Adj. 1.85	101.5
10526	10.30	150	R.L.6.54 LOT 1801 3m Rear bdy, 2m Left bdy	Material Des	-	-	12.5	Adj . 12.5	-	100.0	1.87	Adj. 1.92	97.5
10527	10.30	150	R.L.7.20 LOT 1786 4m Rear bdy, 1m Right bdy R.L.8.12	Material Des 10527 Material Des	-	-	14.5	Adj . 15.5	1.0 DRY	93.5	1.75	Adj. 1.81	96.5
10528	11.00	150	LOT 1785 10m Front bdy, 1m Right bdy R.L.8.32	10528 Material Des	-	-	15.5	Adj . 16.5	1.0 DRY	94.0	1.72	Adj. 1.77	97.0
Remarks:			14.2.10102	1114441141125	• i i p vi o i i.	DIGITI	Dico Wiv S	1211 0211		iired Dry De	ensity Ratio	95% STD)
Prepared By Date:19.9.17	repared By: G MCGRANN ate:19.9.17 hecked By: R MCGRANN						than 19mm	EC 17025 – Testi	Appr	McGrann/Noved Signat	_	Sues tel	<i>O</i>

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTION PTY LTD	Feature	ALLOTMENT FILL	Report No.	41090
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	14/9/2017	Tested by	AC

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction No		ersize 37.5mm Dry	Field Moisture Content %	Optimum Moisture Content	Moisture Variation	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio
10688	8.00	150	LOT 1817 5m Front bdy, 3m Right bdy R.L.6.70	10688 Material Des	- cription:	- LIGHT	11.5 BROWN S	Adj. 13.5 ANDY CLA	2.0 DRY AY & FINE	85.0 ROCK FRA	1.85	Adj. 1.87	99.0
10689	8.30	150	LOT 1816 7m Front bdy, 2m Left bdy R.L.6.73	10689 Material Des	- cription:	- GREY-	14.0 BROWN SI	Adj. 15.5 LTY SANI	1.5 DRY DY CLAY	90.5	1.75	Adj. 1.79	98.0
10690	9.00	150	LOT 1818 4m Rear bdy, 3m Left bdy R.L.6.51	10690 Material Des	- cription:	- LIGHT	17.0 REDDISH-	Adj. 16.0 BROWN S	1.0 WET ILTY CLA	106.5 Y	1.74	Adj. 1.78	98.0
10691	9.30	150	LOT 1812 3m Rear bdy, 2m Left bdy R.L.8.04	10691 Material Des	- crintion:	- BROW	12.5 N SII TV S.	Adj. 14.0 ANDV CLA	1.5 DRY	89.5	1.81	Adj. 1.85	98.0
10692	10.00	150	LOT 1781 6m Front bdy, 3m Left bdy R.L.9.80	10692 Material Des	-	-	11.5	Adj . 13.0	1.5 DRY	88.5 OCK FRAGI	1.85 MENTS	Adj. 1.88	98.5
10693	10.30	150	LOT 1782 7m Front bdy, 4m Left bdy R.L.9.61	10693 Material Des	- cription:	- LIGHT	11.5 BROWN S	Adj. 12.0 SANDY CL	0.5 DRY AY & ROO	96.0 CK FRAGME	1.93 ENTS	Adj. 1.91	101.0
Remarks:									Rec	uired Dry De	ensity Ratio	95% STE)
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined of	on mater	ial finer	than 19mm			· · · · ·			
Date:20.9.17	Prepared By: G MCGRANN Date:20.9.17 Checked By: R MCGRANN			NATA Accreditation No.		d for compl	iance with ISO/II	EC 17025 – Testi	App	g McGrann/I roved Signat e:20.9.17	_	1 de la	2

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	41104
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	20/9/2017	Tested by	JM

Field Test N ^O Sample N ^O	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ov 19mm/3 Wet	ersize 37.5mm Dry	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio
10778	9.00	150	LOT 1836 4m Rear bdy, 3m Right bdy	10778	-	-	11.5	Adj. 12.5	1.0 DRY	92.0	1.94	Adj. 1.94	100.0
10779	9.30	150	R.L.11.34 LOT 1795 4m Rear bdy, 3m Left bdy R.L.10.89	Material Des 10779 Material Des	-	-	15.0	Adj. 14.0	1.0 WET	107.0	1.86	Adj. 1.89	98.5
10780	10.00	150	LOT 1775 2m Rear bdy, 3m Left bdy R.L.6.57	10780 Material Des	-	-	12.0	Adj. 15.0	3.0 DRY	80.0	1.76 GMENTS	Adj. 1.83	96.0
10781	10.30	150	LOT 1793 2m Rear bdy, 3m Left bdy R.L.6.72	10781 Material Des	-	-	14.0	Adj . 14.0	-	100.0	1.80	Adj. 1.86	97.0
			R.L.0./2	Material Des	Cription.	LIGHT	DROWN 5	Adj.	DI CLAI.			Adj.	
				Material Des	cription:	•		•		•		•	
								Adj.				Adj.	
				Material Des	cription:	<u> </u>				I		<u> </u>	
Remarks:				•					Requ	iired Dry De	ensity Ratio	95% STE)
Test Procedu	ires: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined of	on mater	ial finer	than 19mm				-		
Prepared By Date:22.9.17	repared By: G MCGRANN ate:22.9.17			Accredited for compliance with ISO/IEC 17025 – Testing.						McGrann/N		00	0
Checked By:	Checked By: R MCGRANN			Accreditation No.2415						oved Signat :22.9.17	ory (a

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	41105
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	20/9/2017	Tested by	JM

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^O	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10800	12.00	150	LOT 1776 4m Rear bdy, 6m Right bdy R.L.11.21	10800 Material Des	- crintion:	- REDDI	13.0 SH-BROW	Adj. 12.5 N SILTY SA	0.5 WET	104.0	1.90	A dj. 1.92	99.0
10801	12.30	110	LOT 1774 4m Rear bdy, 3m Left bdy R.L.10.47	10801 Material Des	-	-	11.5	Adj. 14.0	2.5 DRY	82.0	1.77	Adj. 1.85	95.5
10802	13.00	100	LOT 1773 4m Rear bdy, 3m Left bdy R.L.9.83	10802 Material Des	-	-	12.5	Adj. 13.5	1.0 DRY	92.5	1.81	Adj. 1.88	96.5
10803	13.30	150	LOT 1772 4m Rear bdy, 2m Left bdy R.L.9.07	10803 Material Des	- cription:	- LIGHT	15.0 BROWN S	Adj. 15.0 ILTY CLA	- Y & ROCK	100.0 FRAGMEN	1.78 TS.	Adj. 1.83	97.5
				Material Des	1			Adj.				Adj.	
				Waterial Des	Cription.			Adj.				Adj.	
Remarks:				Material Des	cription:				D	· 1D D	;, D.,;	0.50/ GTF	
			3.1, 5.4.1, 2.1.1	Determined of	on mater	ial finer	than 19mm		Red	quired Dry De	ensity Katio) 95% SIL)
Date:22.9.17	Prepared By: G MCGRANN Date:22.9.17 Checked By: R MCGRANN B37/11 Page 1 of 1			NATA Accreditation No.2		d for compl	iance with ISO/II	EC 17025 – Testi	App	og McGrann/N proved Signat ee:22.9.17	_	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u>a</u>

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	41106
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	21/9/2017	Tested by	JM GMG

Field Test N ^o Sample N ^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ^O	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio %
10804	8.00	150	LOT 1794 2m Rear bdy, 3m Left bdy R.L.6.60	10804 Material Des	- cription:	- LIGHT	13.5 BROWN S	Adj. 13.5 ILTY SANI	- DY CLAY.	100.0	1.84	Adj. 1.88	98.0
10805	8.30	150	LOT 1792 3m Rear bdy, 4m Left bdy R.L.6.75	10805 Material Des	-	-	12.5	Adj. 13.0	0.5 DRY	96.0	1.81	Adj. 1.88	96.5
10806	9.00	150	LOT 1770 2m Rear bdy, 2m Left bdy R.L.7.53	10806 Material Des	-	-	10.5	Adj. 12.0	1.5 DRY	87.5	1.92 FRAGME	Adj. 1.91 ENTS	100.5
10807	9.30	150	LOT 1771 3m Rear bdy, 2m Left bdy R.L.8.08	10807 Material Des	-	-	14.5	Adj . 15.0	0.5 DRY	96.5	1.85	Adj. 1.83	101.0
10808	9.30	150	LOT 1777 2m Rear bdy, 2m Left bdy R.L.11.17	10808 Material Des	-	ı	12.0	Adj . 13.5	1.5 DRY	89.0	1.79	Adj. 1.86	96.0
10809	10.00	150	LOT 1780 1m Rear bdy, 2m Right bdy R.L.9.72	10809 Material Des	-	-	11.0	Adj . 14.0	3.0 DRY	78.5	1.79	Adj. 1.85	97.0
Remarks:										uired Dry De		95% STE	,
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined of	on mater	ial finer	than 19mm						
Prepared By: G MCGRANN Date:22.9.17 Checked By: R MCGRANN			NATA Accreditation No.2		d for compl	iance with ISO/IF	EC 17025 – Testi	App	Greg McGrann/Manager Approved Signatory Date:22.9.17				

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	41107
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	21/9/2017	Tested by	GMG

Field Test N ⁰ Sample N ⁰	Time of Test	Depth of Test mm	Test Location	Lab Compaction N ⁰	% Ov 19mm/3 Wet		Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %		Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio
10810	10.30	150	LOT 1791 1m Rear bdy, 2m Right bdy R.L.6.74	10810 Material Des	- crintion:	- REDDI	13.5 SH-BROW	Adj. 15.5 N SII TV C	2.0 DRY	87.0	1.74	Adj. 1.82	95.5
10811	11.00	150	LOT 1765 8m Front bdy, 4m Right bdy R.L.4.59	10811 Material Des	-	-	15.0	Adj. 14.5	0.5 WET	103.5	1.83	Adj. 1.84	99.5
			K.E. 1.07				DRO WIVS	Adj.	DI CEITI			Adj.	
				Material Des	cription:			Adj.				Adj.	
				Material Des	cription:								
								Adj.				Adj.	
				Material Des	cription:					I.	•	•	
								Adj.				Adj.	
				Material Des	cription:						•		
Remarks:									Rec	uired Dry De	ensity Ratio	95% STD)
Test Procedu	res: AS128	39 5.1.1,5.3	.1, 5.4.1, 2.1.1	Determined of	n mater	ial finer	than 19mm						
Date:22.9.17	Prepared By: G MCGRANN Date:22.9.17 Checked By: R MCGRANN			Accredited for compliance with ISO/IEC 17025 – Testing. Accreditation No.2415 Greg McGrann/Manager Approved Signatory Date:22.9.17							2		

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FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd. ABN 50 065 093 647 **Geotechnical Testing Services**

Customer	BMD CONSTRUCTIONS PTY LTD	Feature	ALLOTMENT FILL	Report No.	41133
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	1418
Project	CAPESTONE ESTATE – STAGE 19	Date Tested	22/9/2017	Tested by	JM AC

Field Test N ⁰ Sample N ⁰	Time of Test	Depth of Test mm	Test Location	Lab Compaction No		ersize 37.5mm Dry	Field Moisture Content %	Optimum Moisture Content	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m ³	Max. Dry Density t/m ³	Dry Density Ratio
10877	12.45	150	LOT 1783 7m Front bdy, 1m Right bdy R.L.9.22	10877 Material Des	- cription:	- LIGHT	14.5 BROWN S	Adj. 15.0 ILTY SANI	0.5 DRY	96.5	1.78	Adj. 1.84	96.5
10878	13.15	150	LOT 1784 8m Front bdy, 2m Right bdy R.L.8.73	10878 Material Des	- scription:	- LIGHT	12.0 BROWN S	Adj. 11.5 ILTY SANI	1.0 WET DY CLAY	97.5 & FINE ROO	1.87 CK FRAGI	Adj. 1.92 MENTS	97.5
10879	12.45	150	LOT 1790 1m Front bdy, 2m Right bdy R.L.6.82	10879 Material Des	- scription:	- LIGHT	16.5 REDDISH-	Adj. 15.5 BROWN S	1.0 WET ILTY SAN	98.5 DY CLAY	1.78	Adj. 1.81	98.5
				Material Des				Adj.				Adj.	
								Adj.				Adj.	
				Material Des				Adj.				Adj.	
Remarks:				Material Des	cription:				Req	uired Dry De	ensity Ratio	o 95% STE)
Test Procedures: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1 Prepared By: G MCGRANN Date:25.9.17 Checked By: R MCGRANN			Determined of NATA Accreditation No.	Accredite		than 19mm	EC 17025 – Testi	App	g McGrann/I roved Signat e:25.9.17	_	Sues vol	Q au	