



Brisbane Soil Testing

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Geotechnical Testing Services.

Connemar Pty. Ltd.

ABN 50 065 093 647

Job No.1418
5 September 2014

BMD Urban Pty Ltd
PO Box 197
WYNNUM CENTRAL QLD 4178

Attn Mr Peter Kavanagh

Dear Sir,

RE: CAPESTONE ESTATE – STAGE 4
(Allotment Fill – Geotechnical Inspection & Testing)

SCOPE

Brisbane Soil Testing were commissioned by BMD Urban Pty Ltd to provide geotechnical inspection and testing of the allotment earthworks on the above development.

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 19 February 2014, and on an ongoing as the job progressed.

On-site cut materials were used for filling and these materials were generally placed in 0.20m loose horizontal layers and compacted with an 825 Compactor.

One hundred and four field density tests were carried out between 21 February and 1 September 2014. These tests recorded Dry Density Ratios between 95% and 105.5% relative to the standard compaction test and field moisture contents within -4.5% and +3.0% of their respective optimum moisture contents, AS1289.5.1.1.

Attached document B37/6 (Report Nos. 33371, 33372, 33375, 33377, 33378, 33458, 33464, 33465, 33467, 33468, 34379, 33470, 33471, 33472, 33473, 33474, 33475, 33520, 33521, 33614, 33615, 33616, 33617, 33643, 33644, 33645, 33646, 33854, 34377, 34378 and 34397) 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 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



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Lab No.2415