

Job No: 8223/2  
Our Ref: 8223/2-AA  
14 January 2015

J K Williams Contracting Pty Ltd  
P O Box 308  
PENRITH NSW 2751

Attention: Mr S Hartog

Dear Sir

re: **Proposed Caddens Knoll Residential Subdivision  
Caddens Road, Kingswood  
Summary of Field Density Testing for Road Works**

As requested, we have carried out field density tests and associated laboratory compaction tests, in order to assess the degree of compaction in the subgrade and road pavement materials at the above site. All testing was undertaken within the terms of our NATA accreditation, at the dates and to the procedures shown on the test results sheets.

Field density tests were generally carried out at approximately 50 metre intervals, with individual test results provided on our field density test result sheets, copies of which have been forwarded separately. At the time of testing there was no visible indication in the area surrounding each test that the area had been compacted in a manner different from that at the test locations. Our observations did not include roller testing of any of the layers.

Laboratory compaction tests were carried out in accordance with AS1289 5.1.1 (Standard Compaction) and AS1289 5.2.1 (Modified Compaction). Where the density test results failed to indicate that the specified minimum dry density ratios (AS1289 5.4.1) had been achieved the contractor was so advised. After the contractor advised that re-working had been carried out the failed areas were retested. This process was repeated until the test results met the specification requirements.

We understand that the specification requirements for this project set down by Penrith City Council are as follows.

Basecourse	98%	Modified
Sub-basecourse	95%	Modified
Subgrade	100%	Standard

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8223/2-AA

Caddens Knoll Residential Subdivision – Caddens Road – Kingswood

As at 14 January 2015 testing has been satisfactorily completed as follows.

Road Name/Number	Chainage Interval (m)
Road 1	0.0 to 282
Road 2	0.0 to 242

Yours faithfully  
GEOTECH TESTING PTY LTD



Adrian Kench  
Laboratory Manager

Attached            Density Tests Nos 1 to 30