

# Material Test Report



Geotechnics | Environment | Groundwater

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Accredited for compliance with ISO/IEC 17025 - Testing



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NATA Accredited Laboratory Number: 828

**Report Number:** 677071.00-1  
**Issue Number:** 2 - This version supersedes all previous issues  
**Reissue Reason:** Project Details Corrected  
**Date Issued:** 28/01/2020  
**Client:** Roberts Bros  
 123 Cooroy Belli Creek Road, Cooroy 4563  
**Contact:** John Roberts  
**Project Number:** 677071.00  
**Project Name:** Proposed Subdivision  
**Project Location:** The Grange, McIntosh Stage 2, McIntosh Creek  
**Work Request:** 5364  
**Date Sampled:** 21/02/2019  
**Dates Tested:** 22/02/2019 - 27/02/2019  
**Sampling Method:** AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted  
**Specification:** Minimum 95% Standard Hilf Density Ratio  
**Material Source:** Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1					
Sample Number	19-5364A	19-5364B	19-5364C	19-5364D	
Date Tested	21/02/2019	21/02/2019	21/02/2019	21/02/2019	
Time Tested	11:10	11:20	11:30	11:40	
Test Request #/Location	Lot 37	Lot 37	Lot 18	Lot 17	
Easting	463888	463878	463989	464005	
Northing	7095635	7095625	7095636	7095698	
Elevation (m)	1.0 < F.L.	0.3 < F.L.	0.3 < F.L.	0.3 < F.L.	
Soil Description	Sandy Gravelly Clay	Sandy Gravelly Clay	Sandy Gravelly Clay	Sandy Gravelly Clay	
Test Depth (mm)	150	150	150	150	
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0	
Field Wet Density (FWD) t/m <sup>3</sup>	1.86	1.78	1.92	1.92	
Field Dry Density (FDD) t/m <sup>3</sup>	**	**	**	**	
Peak Converted Wet Density t/m <sup>3</sup>	1.96	1.87	2.00	1.98	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	**	**	
Moisture Variation (Wv) %	4.0	6.0	2.5	4.5	
Adjusted Moisture Variation %	**	**	**	**	
Hilf Density Ratio (%)	<b>95.0</b>	<b>95.0</b>	<b>95.5</b>	<b>97.0</b>	
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>	

**Moisture Variation Note:**

Positive values = test is dry of OMC  
 Negative values = test is wet of OMC