

Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

1/28 Kessling Avenue Kunda Park QLD 4556

Phone: (07) 5351 0400

Fax: (07) 5351 0499

Email: martin.cook@douglaspartners.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Martin Cook
Assistant Laboratory Manager

NATA Accredited Laboratory Number: 828

Report Number: 681742.00-22
Issue Number: 1
Date Issued: 10/12/2020
Client: Roberts Bros Pty Ltd
123 Cooroy Belli Creek Road, Cooroy 4563
Contact: David Roberts
Project Number: 681742.00
Project Name: Proposed Subdivision
Project Location: Greendale, Stage 5, Pie Creek
Work Request: 11423
Date Sampled: 26/11/2020
Dates Tested: 26/11/2020 - 02/12/2020
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Hilf Density Ratio
Lot Number: 12
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	SS-11423A	SS-11423B	
Date Tested	26/11/2020	26/11/2020	
Time Tested	12:15	12:19	
Test Request #/Location	Lot 12	Lot 12	
Easting	5262439	5252975	
Northing	2241477	2239560	
Elevation (m)	0.3 < F.L	0.7 < F.L	
Soil Description	Sandy Gravelly Clay	Sandy Gravelly Clay	
Test Depth (mm)	150	150	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Field Wet Density (FWD) t/m ³	1.95	1.99	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	1.88	1.92	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	4.5	2.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	104.0	103.5	
Compaction Method	Standard	Standard	
Report Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC