

# 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: Shae.Harry@douglaspartners.com.au

**Report Number:** 681742.00-11  
**Issue Number:** 1  
**Date Issued:** 11/11/2020  
**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:** 11096  
**Date Sampled:** 02/11/2020  
**Dates Tested:** 02/11/2020 - 03/11/2020  
**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  
**Material Source:** Onsite

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Shae Harry  
 Laboratory Manager  
 NATA Accredited Laboratory Number: 828

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	SS-11096A	SS-11096B	
Date Tested	02/11/2020	02/11/2020	
Time Tested	09:30	09:35	
Test Request #/Location	Bulk Earthworks Lot 24	Bulk Earthworks Lot 24	
Easting	461762	461778	
Northing	7096641	7096631	
Elevation (m)	0.7 < F.L	1.3 < F.L	
Soil Description	Clayey Sand	Clayey Sand	
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 <sup>3</sup>	1.94	1.88	
Field Dry Density (FDD) t/m <sup>3</sup>	**	**	
Peak Converted Wet Density t/m <sup>3</sup>	1.90	1.92	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	
Moisture Variation (Wv) %	-1.0	0.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	<b>102.0</b>	<b>98.5</b>	
Compaction Method	<b>Standard</b>	<b>Standard</b>	
Report Remarks	**	**	

**Moisture Variation Note:**

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