

# Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Martin Cook

Assistant Laboratory Manager

Laboratory Accreditation Number: 828

**Report Number:** 212940.00-5  
**Issue Number:** 1  
**Date Issued:** 04/05/2022  
**Client:** Roberts Bros Pty Ltd  
 123 Cooroy Belli Creek Road, Cooroy QLD 4563  
**Contact:** David Roberts  
**Project Number:** 212940.00  
**Project Name:** Proposed Subdivision  
**Project Location:** Greendale, Stage 6, Pie Creek QLD  
**Work Request:** 17572  
**Date Sampled:** 12/04/2022  
**Dates Tested:** 12/04/2022 - 29/04/2022  
**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  
**Location:** Bulk Earthworks  
**Lot Number:** 129  
**Material Source:** Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	SS-17572A	SS-17572B	
Date Tested	12/04/2022	12/04/2022	
Time Tested	12:49	13:00	
Test Request #/Location	Lot 129	Lot 129	
Easting	461986	461968	
Northing	7096161	7096165	
Elevation (m)	0.3 < F.L.	0.6 < F.L.	
Thickness of Layer (mm)	150	150	
Soil Description	Gravelly Clay	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 <sup>3</sup>	2.01	2.00	
Field Dry Density (FDD) t/m <sup>3</sup>	**	**	
Peak Converted Wet Density t/m <sup>3</sup>	2.01	2.01	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	
Moisture Variation (Wv) %	-0.5	0.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	<b>100.5</b>	<b>99.5</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