

# Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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**Report Number:** 205535.00-3  
**Issue Number:** 1  
**Date Issued:** 05/07/2021  
**Client:** Roberts Bros Pty Ltd  
 123 Cooroy Belli Creek Road, Cooroy QLD 4563  
**Contact:** John Roberts  
**Project Number:** 205535.00  
**Project Name:** Proposed Subdivision  
**Project Location:** Chatsworth Estate, Stage 4, Chatsworth QLD  
**Work Request:** 13451  
**Date Sampled:** 29/06/2021  
**Dates Tested:** 29/06/2021 - 02/07/2021  
**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  
**Material Source:** Onsite



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Martin Cook

Assistant Laboratory Manager

Laboratory Accreditation Number: 828

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	SS-13451A	SS-13451B	
Date Tested	29/06/2021	29/06/2021	
Time Tested	10:55	11:03	
Test Request #/Location	Lot 64	Lot 64	
Easting	462652	462646	
Northing	7108166	708170	
Elevation (m)	0.4 < F.L.	1.0 < F.L.	
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>	2.15	2.18	
Field Dry Density (FDD) t/m <sup>3</sup>	**	**	
Peak Converted Wet Density t/m <sup>3</sup>	2.00	2.06	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	**	
Moisture Variation (Wv) %	0.0	2.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	<b>107.5</b>	<b>106.0</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