

# Material Test Report

**Report Number:** 202810.00-4  
**Issue Number:** 1  
**Date Issued:** 10/05/2021  
**Client:** Roberts Bros Pty Ltd  
 123 Cooroy Belli Creek Road, Cooroy QLD 4563  
**Contact:** John Roberts  
**Project Number:** 202810.00  
**Project Name:** Proposed Subdivision  
**Project Location:** Chatsworth Estate, Stage 3A, Chatsworth  
**Work Request:** 12689  
**Date Sampled:** 04/05/2021  
**Dates Tested:** 04/05/2021 - 05/05/2021  
**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

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 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

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	SS-12689A	SS-12689B	
Date Tested	04/05/2021	04/05/2021	
Time Tested	13:08	13:17	
Test Request #/Location	Lot 45	Lot 45	
Easting	462771	462754	
Northing	7108382	7108383	
Elevation (m)	1.0 < F.L.	0.4 < F.L.	
Soil Description	Gravelly Clay	Gravelly Clay	
Test Depth (mm)	150	150	
Sieve used to determine oversize (mm)	37.5	37.5	
Percentage of Wet Oversize (%)	17	20	
Field Wet Density (FWD) t/m <sup>3</sup>	2.10	2.26	
Field Dry Density (FDD) t/m <sup>3</sup>	**	**	
Peak Converted Wet Density t/m <sup>3</sup>	**	**	
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	2.19	2.22	
Moisture Variation (Wv) %	**	**	
Adjusted Moisture Variation %	0.0	2.0	
Hilf Density Ratio (%)	<b>96.0</b>	<b>101.5</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