

# Material Test Report

**Report Number:** 202810.00-9  
**Issue Number:** 1  
**Date Issued:** 24/05/2021  
**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:** 12795  
**Date Sampled:** 11/05/2021  
**Dates Tested:** 12/05/2021 - 17/05/2021  
**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  
**Lot Number:** 37  
**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-12795A	SS-12795B	
Date Tested	11/05/2021	11/05/2021	
Time Tested	12:45	12:55	
Test Request #/Location	Lot 37	Lot 37	
Easting	462668	462647	
Northing	7108334	7108316	
Elevation (m)	0.3 < F.L	0.8 < 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 (%)	19	19	
Field Wet Density (FWD) t/m <sup>3</sup>	2.20	2.03	
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>	2.16	2.14	
Moisture Variation (Wv) %	**	**	
Adjusted Moisture Variation %	2.0	0.5	
Hilf Density Ratio (%)	<b>102.0</b>	<b>95.0</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