

# Material Test Report

**Report Number:** 205535.00-18  
**Issue Number:** 1  
**Date Issued:** 11/08/2021  
**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:** 13834  
**Date Sampled:** 27/07/2021  
**Dates Tested:** 27/07/2021 - 09/08/2021  
**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:** 77  
**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-13834A		
Date Tested	27/07/2021		
Time Tested	12:30		
Test Request #/Location	Lot 77		
Easting	462697		
Northing	7107967		
Elevation (m)	0.3 < F.L.		
Soil Description	Gravelly Clay		
Test Depth (mm)	150		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	17		
Field Wet Density (FWD) t/m <sup>3</sup>	2.16		
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>	2.25		
Moisture Variation (Wv) %	**		
Adjusted Moisture Variation %	2.5		
Hilf Density Ratio (%)	<b>96.5</b>		
Compaction Method	<b>Standard</b>		
Report Remarks	**		

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC