

# Material Test Report

**Report Number:** 217466.00-29  
**Issue Number:** 1  
**Date Issued:** 22/03/2023  
**Client:** Roberts Bros Pty Ltd  
123 Cooroy Belli Creek Road, Cooroy QLD 4563  
**Contact:** John Roberts  
**Project Number:** 217466.00  
**Project Name:** Proposed Subdivision  
**Project Location:** Mcintosh Park, Stage 3 & 4, Mcintosh Creek QLD  
**Work Request:** 22745  
**Date Sampled:** 09/03/2023  
**Dates Tested:** 09/03/2023 - 22/03/2023  
**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:** 28  
**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-22745A	SS-22745B	
Date Tested	09/03/2023	09/03/2023	
Time Tested	09:45	09:50	
Test Request #/Location	Lot 28	Lot 28	
Easting	0464018	0464033	
Northing	7095856	7095866	
Elevation (m)	0.3 <F.L	0.7 <F.L	
Thickness of Layer (mm)	150	150	
Soil Description	Clayey Sandy Gravel	Clayey Sandy Gravel	
Test Depth (mm)	150	150	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	9	5	
Field Wet Density (FWD) t/m <sup>3</sup>	2.04	2.01	
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>	1.96	2.03	
Moisture Variation (Wv) %	**	**	
Adjusted Moisture Variation %	4.0	1.0	
Hilf Density Ratio (%)	<b>104.0</b>	<b>99.0</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