Material Test Report

Douglas Partners
Geotechnics / Environment / Groundwater
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Report Number: **205535.00-4**
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: 13454
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-13454A	SS-13454B	
Date Tested	29/06/2021	29/06/2021	
Time Tested	11:10	11:16	
Test Request #/Location	Lot 65	Lot 65	
Easting	462674	462691	
Northing	7108147	7108137	
Elevation (m)	0.3 < F.L.	1.1 < 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^3	2.20	2.16	
Field Dry Density (FDD) t/m^3	**	**	
Peak Converted Wet Density t/m^3	2.08	2.17	
Adjusted Peak Converted Wet Density t/m^3	**	**	
Moisture Variation (Wv) %	1.5	1.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	**106.0**	**99.5**	
Compaction Method	**Standard**	**Standard**	
Report Remarks	**	**	

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC