Material Test Report

Douglas Partners
Geotechnics / Environment / Groundwater
Douglas Partners Pty Ltd
Sunshine Coast Laboratory
1/28 Kessling Avenue Kunda Park QLD 4556
Phone: (07) 5351 0400
Fax: (07) 5351 0499
Email: Shae.Harry@douglaspartners.com.au

Report Number: **202810.00-14**
Issue Number: 1
Date Issued: 28/05/2021
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: 12905
Date Sampled: 20/05/2021
Dates Tested: 20/05/2021 - 26/05/2021
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

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Shae Harry
Laboratory Manager
Laboratory Accreditation Number: 828

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	SS-12905A	SS-12905B	
Date Tested	20/05/2021	20/05/2021	
Time Tested	11:18	11:25	
Test Request #/Location	Lot 52	Lot 52	
Easting	462602	462595	
Northing	7108661	7108638	
Elevation (m)	1.1 < F.L	0.3 < F.L.	
Soil Description	Gravelly Silty Clay	Gravelly Clay	
Test Depth (mm)	150	150	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	20	
Field Wet Density (FWD) t/m^3	1.96	2.20	
Field Dry Density (FDD) t/m^3	**	**	
Peak Converted Wet Density t/m^3	1.96	**	
Adjusted Peak Converted Wet Density t/m^3	**	2.13	
Moisture Variation (Wv) %	2.0	**	
Adjusted Moisture Variation %	**	2.0	
Hilf Density Ratio (%)	**99.5**	**103.0**	
Compaction Method	**Standard**	**Standard**	
Report Remarks	**	**	

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