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
Email: martin.cook@douglaspartners.com.au

Report Number:	**212940.00-9**
Issue Number:	1
Date Issued:	23/08/2022
Client:	Roberts Bros Pty Ltd
	123 Cooroy Belli Creek Road, Cooroy QLD 4563
Contact:	David Roberts
Project Number:	212940.00
Project Name:	Proposed Subdivision
Project Location:	Greendale, Stage 6, Pie Creek QLD
Work Request:	19309
Date Sampled:	15/08/2022
Dates Tested:	15/08/2022 - 20/08/2022
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:	134
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-19309A	SS-19309B	
Date Tested	15/08/2022	15/08/2022	
Time Tested	10:02	10:11	
Test Request #/Location	Lot 134	Lot 134	
Easting	462214	462220	
Northing	7096195	7096200	
Elevation (m)	0.3 < F.L	0.6 < F.L	
Thickness of Layer (mm)	150	150	
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	2.11	2.02	
Field Dry Density (FDD) t/m^3	**	**	
Peak Converted Wet Density t/m^3	2.04	2.01	
Adjusted Peak Converted Wet Density t/m^3	**	**	
Moisture Variation (Wv) %	0.0	0.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	**103.5**	**100.5**	
Compaction Method	**Standard**	**Standard**	
Report Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC