Material Test Report

Douglas Partners
Geotechnics / Environment / Groundwater
Douglas Partners Pty Ltd
Sunshine Coast Laboratory
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Report Number:	**217466.00-1**
Issue Number:	1
Date Issued:	14/09/2022
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:	19399
Date Sampled:	18/08/2022
Dates Tested:	18/08/2022 - 26/08/2022
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
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-19399A	SS-19399B	
Date Tested	18/08/2022	18/08/2022	
Time Tested	14:02	14:13	
Test Request #/Location	Bulk Earthworks Lot 40	Bulk Earthworks Lot 40	
Easting	463959	463964	
Northing	7096071	7096075	
Elevation (m)	0.3 < F.L	1.0 < 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	2.02	2.08	
Field Dry Density (FDD) t/m^3	**	**	
Peak Converted Wet Density t/m^3	1.91	1.91	
Adjusted Peak Converted Wet Density t/m^3	**	**	
Moisture Variation (Wv) %	0.5	0.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	**106.0**	**108.5**	
Compaction Method	**Standard**	**Standard**	
Report Remarks	**	**	

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