

Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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Report Number: 217466.00-5
Issue Number: 1
Date Issued: 24/10/2022
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: 20382
Date Sampled: 13/10/2022
Dates Tested: 13/10/2022 - 24/10/2022
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-20382A	SS-20382B	
Date Tested	13/10/2022	13/10/2022	
Time Tested	13:48	13:56	
Test Request #/Location	Bulk Earthworks Lot 30	Bulk Earthworks Lot 30	
Easting	464122	464127	
Northing	7095965	7095974	
Layer / Reduced Level	0.3m < F.L.	0.8m < 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 (%)	7	0	
Field Wet Density (FWD) t/m ³	2.15	2.16	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	**	2.07	
Adjusted Peak Converted Wet Density t/m ³	2.11	**	
Moisture Variation (Wv) %	**	-0.5	
Adjusted Moisture Variation %	-1.0	**	
Hilf Density Ratio (%)	101.5	104.5	
Compaction Method	Standard	Standard	
Report Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC