

Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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Report Number: 217466.00-37
Issue Number: 1
Date Issued: 03/05/2023
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: 23364
Date Sampled: 12/04/2023
Dates Tested: 12/04/2023 - 27/04/2023
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: 5
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-23364A	SS-23364B	
Date Tested	12/04/2023	12/04/2023	
Time Tested	11:20	11:30	
Test Request #/Location	Lot 5	Lot 5	
Easting	0464279	0464253	
Northing	7096227	7096230	
Elevation (m)	0.6 <F.L	0.3 <F.L	
Soil Description	Silty Clay	Silty 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	2.00	2.12	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	1.98	1.97	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	2.0	3.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	101.0	108.0	
Compaction Method	Standard	Standard	
Report Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC