

Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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Report Number: 217466.00-36
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: 23363
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: 6
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-23363A	SS-23363B	
Date Tested	12/04/2023	12/04/2023	
Time Tested	11:05	11:10	
Test Request #/Location	Lot 6	Lot 6	
Easting	0464235	0464256	
Northing	7096192	7096191	
Elevation (m)	0.3 <F.L	0.7 <F.L	
Soil Description	Gravelly Silty Clay	Gravelly 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	2.20	2.09	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	2.10	2.00	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	6.5	3.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	104.5	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