

Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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Report Number: 217466.00-13
Issue Number: 1
Date Issued: 10/01/2023
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: 21326
Date Sampled: 08/12/2022
Dates Tested: 08/12/2022 - 22/12/2022
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: 22
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-21326A	SS-21326B	SS-21326C
Date Tested	08/12/2022	08/12/2022	08/12/2022
Time Tested	10:01	10:16	10:27
Test Request #/Location	Lot 22	Lot 22	Lot 22
Easting	464227	464220	464210
Northing	7095893	7095911	7095915
Elevation (m)	0.4 <F.L.	1.2 <F.L.	1.8 <F.L.
Thickness of Layer (mm)	150	150	150
Soil Description	Gravelly Clay	Gravelly Clay	Gravelly Clay
Test Depth (mm)	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	11	3
Field Wet Density (FWD) t/m ³	2.16	2.18	2.13
Field Dry Density (FDD) t/m ³	**	**	**
Peak Converted Wet Density t/m ³	2.05	**	**
Adjusted Peak Converted Wet Density t/m ³	**	2.11	2.11
Moisture Variation (Wv) %	2.5	**	**
Adjusted Moisture Variation %	**	1.0	2.0
Hilf Density Ratio (%)	105.0	103.5	101.0
Compaction Method	Standard	Standard	Standard
Report Remarks	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC