

Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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Report Number: 677071.00-2
Issue Number: 1
Date Issued: 21/01/2020
Client: Roberts Bros
 123 Cooroy Belli Creek Road, Cooroy 4563
Contact: John Roberts
Project Number: 677071.00
Project Name: Proposed Subdivision
Project Location: McKintosh Creek Road, McKintosh Creek
Work Request: 8168
Date Sampled: 16/01/2020
Dates Tested: 16/01/2020 - 20/01/2020
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: Minimum 95% Standard Hilf Density Ratio
Material Source: Onsite

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Shae Harry
 Laboratory Manager

NATA Accredited Laboratory Number: 828

Compaction Control AS 1289 5.7.1 & 5.8.1					
Sample Number	SS-8168A	SS-8168B	SS-8168C	SS-8168D	SS-8168E
Date Tested	16/01/2020	16/01/2020	16/01/2020	16/01/2020	16/01/2020
Time Tested	01:35	01:45	01:55	02:05	02:15
Test Request #/Location	Bulk Earthworks Lot 19	Bulk Earthworks Lot 20	Bulk Earthworks Lot 20	Bulk Earthworks Lot 21	Bulk Earthworks Lot 21
Easting	464098	464088	464105	464098	464093
Northing	7095623	7095581	7095583	7095557	7095545
Elevation (m)	1.2<F.L.	0.8<F.L.	0.2<F.L.	0.6<F.L.	F.L.
Soil Description	Gravelly Clay	Gravelly Clay	Gravelly Clay	Gravelly Clay	Gravelly Clay
Test Depth (mm)	150	150	150	150	150
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0.0	0.0	0.0	0.0	0.0
Field Wet Density (FWD) t/m ³	2.00	2.12	2.05	2.00	2.04
Field Dry Density (FDD) t/m ³	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.03	2.10	2.04	1.98	1.95
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Variation (Wv) %	1.5	1.0	1.5	2.0	2.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	99.0	100.5	100.0	101.5	104.5
Compaction Method	Standard	Standard	Standard	Standard	Standard

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC