

# Material Test Report



Geotechnics | Environment | Groundwater

Douglas Partners Pty Ltd

Sunshine Coast Laboratory

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**Report Number:** 217466.00-14  
**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:** 21329  
**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:** 7  
**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-21329A	SS-21329B	SS-21329C
Date Tested	09/12/2022	09/12/2022	09/12/2022
Time Tested	11:16	11:25	11:34
Test Request #/Location	Lot 7	Lot 7	Lot 7
Easting	464285	464283	464281
Northing	7096082	7096088	709079
Elevation (m)	0.4 <F.L.	0.9 <F.L.	1.6 <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	8	0
Field Wet Density (FWD) t/m <sup>3</sup>	2.10	2.11	2.10
Field Dry Density (FDD) t/m <sup>3</sup>	**	**	**
Peak Converted Wet Density t/m <sup>3</sup>	2.02	**	2.02
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	**	2.06	**
Moisture Variation (Wv) %	-3.0	**	0.0
Adjusted Moisture Variation %	**	0.5	**
Hilf Density Ratio (%)	<b>104.0</b>	<b>102.5</b>	<b>104.0</b>
Compaction Method	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
Report Remarks	**	**	**

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC