

# Material Test Report

**Report Number:** 205535.00-19  
**Issue Number:** 1  
**Date Issued:** 11/08/2021  
**Client:** Roberts Bros Pty Ltd  
 123 Cooroy Belli Creek Road, Cooroy QLD 4563  
**Contact:** John Roberts  
**Project Number:** 205535.00  
**Project Name:** Proposed Subdivision  
**Project Location:** Chatsworth Estate, Stage 4, Chatsworth QLD  
**Work Request:** 13835  
**Date Sampled:** 27/07/2021  
**Dates Tested:** 27/07/2021 - 06/08/2021  
**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:** 78  
**Material Source:** Onsite

Douglas Partners Pty Ltd  
 Sunshine Coast Laboratory  
 1/28 Kessling Avenue Kunda Park QLD 4556  
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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-13835A		
Date Tested	27/07/2021		
Time Tested	12:44		
Test Request #/Location	Lot 78		
Easting	462687		
Northing	7107992		
Elevation (m)	0.3 < F.L.		
Soil Description	Gravelly Clay		
Test Depth (mm)	150		
Sieve used to determine oversize (mm)	37.5		
Percentage of Wet Oversize (%)	15		
Field Wet Density (FWD) t/m <sup>3</sup>	2.15		
Field Dry Density (FDD) t/m <sup>3</sup>	**		
Peak Converted Wet Density t/m <sup>3</sup>	**		
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	2.22		
Moisture Variation (Wv) %	**		
Adjusted Moisture Variation %	4.0		
Hilf Density Ratio (%)	<b>97.0</b>		
Compaction Method	<b>Standard</b>		
Report Remarks	**		

**Moisture Variation Note:**  
 Positive values = test is dry of OMC  
 Negative values = test is wet of OMC

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Geotechnics | Environment | Groundwater

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**Report Number:** 205535.00-16  
**Issue Number:** 1  
**Date Issued:** 03/08/2021  
**Client:** Roberts Bros Pty Ltd  
 123 Cooroy Belli Creek Road, Cooroy QLD 4563  
**Contact:** John Roberts  
**Project Number:** 205535.00  
**Project Name:** Proposed Subdivision  
**Project Location:** Chatsworth Estate, Stage 4, Chatsworth QLD  
**Work Request:** 13741  
**Date Sampled:** 21/07/2021  
**Dates Tested:** 21/07/2021 - 27/07/2021  
**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:** 78  
**Material Source:** Onsite



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Approved Signatory: Martin Cook

Assistant Laboratory Manager

Laboratory Accreditation Number: 828

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	SS-13741A		
Date Tested	21/07/2021		
Time Tested	11:40		
Test Request #/Location	Lot 78		
Easting	462683		
Northing	7107987		
Elevation (m)	0.6 < F.L.		
Soil Description	Gravelly Clay		
Test Depth (mm)	150		
Sieve used to determine oversize (mm)	37.5		
Percentage of Wet Oversize (%)	8		
Field Wet Density (FWD) t/m <sup>3</sup>	2.24		
Field Dry Density (FDD) t/m <sup>3</sup>	**		
Peak Converted Wet Density t/m <sup>3</sup>	**		
Adjusted Peak Converted Wet Density t/m <sup>3</sup>	2.20		
Moisture Variation (Wv) %	**		
Adjusted Moisture Variation %	3.0		
Hilf Density Ratio (%)	<b>102.0</b>		
Compaction Method	<b>Standard</b>		
Report Remarks	**		

**Moisture Variation Note:**

Positive values = test is dry of OMC

Negative values = test is wet of OMC