

Material Test Report



LABORATORIES

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Report Number: GSGY-GLN-25-293-11
Issue Number: 1
Date Issued: 18/11/2025
Client: ROBERTS BROS PTY LTD
PO BOX 247, COOROY QLD 4563
Contact: PHIL ROBERTS
Project Number: GSGY-GLN-25-293
Project Name: GREENDALE STAGE 7
Project Location: LOT 99 ON SP345311 (#95) MOOLOO ROAD, PIE CREEK
Work Request: 6279
Date Sampled: 11/11/2025
Dates Tested: 12/11/2025 - 14/11/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Preparation Method: AS 1289.1.1 - Sampling and Preparation of Soils
Specification: Minimum 95% Hilt Density Ratio
Location: Greendale Stage 7 - Lot 7 - Level 1 Supervision
Lot Number: Lot 7
Material: Embankment Fill
Material Source: Onsite



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Cameron Crawford
General Manager

NATA Accredited Laboratory Number: 20956

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1

Sample Number	G6279A	G6279B	
Date Tested	11/11/2025	11/11/2025	
Time Tested	08:30	08:35	
Test Request #/Location	Lot 7	Lot 7	
Easting	462684.57	462682.44	
Northing	7096127.47	7096107.62	
Elevation (m)	71.79	72.00	
Layer / Reduced Level	Embankment Fill	Embankment Fill	
Thickness of Layer (mm)	300	300	
Soil Description	Embankment Fill	Embankment Fill	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Field Wet Density (FWD) t/m ³	2.08	2.16	
Field Moisture Content %	19.1	16.6	
Field Dry Density (FDD) t/m ³	1.75	1.85	
Peak Converted Wet Density t/m ³	2.03	2.07	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	2.0	2.0	
Adjusted Moisture Variation %	**	**	
Hilt Density Ratio (%)	102.5	104.0	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC