

Material Test Report



LABORATORIES

Gympie Laboratory

1 Dennis Little Drive Glanmire QLD 4570

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Email: ben.caulley@gsglabs.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



BCaulley

Approved Signatory: Benjamin Caulley

Laboratory Assistant Manager

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-45
Issue Number: 1
Date Issued: 20/04/2026
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: 6979
Date Sampled: 15/04/2026
Dates Tested: 15/04/2026 - 17/04/2026
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% Hlf Density Ratio
Site Selection: AS 1289.1.4.1
Test Area Bounds: Start: End: Left: Right:
Location: Greendale Stage 7 - Level 1 Supervision - Lot 10
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	G6979A	G6979B	
Date Tested	15/04/2026	15/04/2026	
Time Tested	9:15	9:20	
Test Request #/Location	Lot 10	Lot 10	
Easting	462470.379	462457.598	
Northing	7096193.594	7096187.926	
Elevation (m)	72.554	72.614	
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 (%)	**	**	
Field Wet Density (FWD) (t/m ³)	2.06	1.95	
Field Moisture Content (%)	23.5	24.7	
Field Dry Density (FDD) (t/m ³)	1.67	1.56	
Peak Converted Wet Density (t/m ³)	2.02	2.01	
Adjusted Peak Converted Wet Density (t/m ³)	**	**	
Moisture Variation (Wv) (%)	-2.0	-2.0	
Adjusted Moisture Variation (%)	**	**	
Hlf Density Ratio (%)	102.0	97.0	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

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Approved Signatory: Benjamin Caulley

Laboratory Assistant Manager

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-49
Issue Number: 1
Date Issued: 08/05/2026
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: 7102
Date Sampled: 05/05/2026
Dates Tested: 05/05/2026 - 07/05/2026
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% Hif Density Ratio
Site Selection: AS 1289.1.4.1
Test Area Bounds: Start: End: Left: Right:
Location: Greendale Stage 7 - Level 1 Supervision - Lot 10
Lot Number: 10
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	G7102A	G7102B	
Date Tested	05/05/2026	05/05/2026	
Time Tested	11:20	11:25	
Test Request #/Location	Lot 10	Lot 10	
Easting	462489.055	462474.809	
Northing	7096180.223	7096169.067	
Elevation (m)	74.221	74.334	
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 (%)	**	**	
Field Wet Density (FWD) (t/m ³)	2.04	2.10	
Field Moisture Content (%)	13.3	13.5	
Field Dry Density (FDD) (t/m ³)	1.80	1.85	
Peak Converted Wet Density (t/m ³)	2.02	2.01	
Adjusted Peak Converted Wet Density (t/m ³)	**	**	
Moisture Variation (Wv) (%)	1.5	2.0	
Adjusted Moisture Variation (%)	**	**	
Hif Density Ratio (%)	101.0	104.0	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC