

Material Test Report



LABORATORIES

Gympie Laboratory

1 Dennis Little Drive Glanmire QLD 4570

Phone: (07) 4128 3213

Email: nathan.boyle@gsglabs.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Nathan Boyle

gt-nathan_boyle

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-21
Issue Number: 1
Date Issued: 29/01/2026
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: 6554
Date Sampled: 22/01/2026
Dates Tested: 23/01/2026 - 23/01/2026
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% Hilt Density Ratio
Location: Greendale Stage 7 - Level 1 Supervision - Lot 14
Lot Number: 14
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	G6554A	G6554B	G6554C	G6554D
Date Tested	22/01/2026	22/01/2026	22/01/2026	22/01/2026
Time Tested	14:40	14:45	14:50	14:55
Test Request #/Location	Lot 14	Lot 14	Lot 14	Lot 14
Easting	462513.01	462528.36	462539.84	462514.00
Northing	7096240.57	7096229.26	7096223.31	7096222.14
Elevation (m)	71.54	71.97	71.74	72.11
Layer / Reduced Level	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Thickness of Layer (mm)	300	300	300	300
Soil Description	Embankment Fill	Embankment Fill	Embankment Fill	Embankment Fill
Test Depth (mm)	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**	**
Field Wet Density (FWD) t/m ³	2.08	2.04	2.01	2.00
Field Moisture Content %	13.4	14.1	14.0	12.5
Field Dry Density (FDD) t/m ³	1.83	1.78	1.77	1.78
Peak Converted Wet Density t/m ³	2.07	1.99	2.01	1.96
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Variation (Wv) %	1.5	2.0	2.0	2.0
Adjusted Moisture Variation %	**	**	**	**
Hilt Density Ratio (%)	100.5	102.0	100.0	102.0
Compaction Method	Standard	Standard	Standard	Standard
Remarks	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

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BCaulley

Approved Signatory: Benjamin Caulley

Laboratory Assistant Manager

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-33
Issue Number: 1
Date Issued: 17/02/2026
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: 6624
Date Sampled: 05/02/2026
Dates Tested: 06/02/2026 - 09/02/2026
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
Location: Greendale Stage 7 - Level 1 Supervision - Lot 14
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	G6624A	G6624B	G6624C
Date Tested	05/02/2026	05/02/2026	05/02/2026
Time Tested	09:30	09:35	09:45
Test Request #/Location	Lot 14	Lot 14	Lot 14
Easting	462589.89	462575.71	462544.13
Northing	7096260.66	70966248.42	7096278.97
Elevation (m)	70.97	70.84	70.51
Layer / Reduced Level	Embankment Fill	Embankment Fill	Embankment Fill
Thickness of Layer (mm)	300	300	300
Soil Description	Embankment Fill	Embankment Fill	Embankment Fill
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	2.07	2.03	2.09
Field Moisture Content %	20.7	21.6	21.2
Field Dry Density (FDD) t/m ³	1.71	1.67	1.72
Peak Converted Wet Density t/m ³	2.01	2.00	1.98
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Variation (Wv) %	1.5	1.0	1.5
Adjusted Moisture Variation %	**	**	**
Hlf Density Ratio (%)	103.0	101.5	105.5
Compaction Method	Standard	Standard	Standard
Remarks	**	**	**

Moisture Variation Note:

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Negative values = test is wet of OMC

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Ben Caulley

Approved Signatory: Benjamin Caulley

Laboratory Assistant Manager

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-37
Issue Number: 1
Date Issued: 04/03/2026
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: 6747
Date Sampled: 26/02/2026
Dates Tested: 27/02/2026 - 03/03/2026
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% Hilt Density Ratio
Location: Greendale Stage 7 - Level 1 Supervision - Lot 14
Lot Number: 14
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	G6747A	G6747B	
Date Tested	26/02/2026	26/02/2026	
Time Tested	13:10	13:15	
Test Request #/Location	Lot 14	Lot 14	
Easting	462530.117	462550.123	
Northing	7096225.553	7096226.064	
Elevation (m)	72.57	72.50	
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	2.00	2.04	
Field Moisture Content %	15.0	15.9	
Field Dry Density (FDD) t/m ³	1.74	1.76	
Peak Converted Wet Density t/m ³	2.06	2.08	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	2.0	1.0	
Adjusted Moisture Variation %	**	**	
Hilt Density Ratio (%)	97.0	98.5	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC