

Material Test Report



LABORATORIES

Gympie Laboratory

1 Dennis Little Drive Glanmire QLD 4570

Phone: (07) 4128 3213

Email: cameron@gsglabs.com.au

Report Number: GSGY-GLN-25-293-10
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: 6079
Date Sampled: 11/11/2025
Dates Tested: 11/11/2025 - 17/11/2025
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% Hlf Density Ratio
Location: Greendale Stage 7 - Lot 13 - Level 1 Supervision
Lot Number: Lot 13
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	G6079A	G6079B	G6079C
Date Tested	11/11/2025	11/11/2025	11/11/2025
Time Tested	08:45	08:50	09:00
Test Request #/Location	Lot 13	Lot 13	Lot 13
Easting	462442.94	462460.67	462473.74
Northing	7096244.39	7096258.54	7096246.40
Elevation (m)	70.37	70.01	70.44
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 (%)	18	16	19
Field Wet Density (FWD) t/m ³	2.16	2.13	2.19
Field Moisture Content %	10.4	10.4	9.8
Field Dry Density (FDD) t/m ³	1.96	1.93	2.00
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	2.09	2.09	2.07
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	2.0	2.0	2.0
Hlf Density Ratio (%)	103.5	102.0	106.0
Compaction Method	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-25-293-38
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: 6748
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% Hilf Density Ratio
Location: Greendale Stage 7 - Level 1 Supervision - Lot 13
Lot Number: 13
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	G6748A	G6748B	
Date Tested	26/02/2026	26/02/2026	
Time Tested	13:25	13:30	
Test Request #/Location	Lot 13	Lot 13	
Easting	462435.278	462449.634	
Northing	7096235.408	7096254.135	
Elevation (m)	70.82	70.67	
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	2.10	2.07	
Field Moisture Content %	16.0	14.7	
Field Dry Density (FDD) t/m ³	1.81	1.81	
Peak Converted Wet Density t/m ³	2.04	2.04	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	2.0	1.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	103.0	101.5	
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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BCaulley

Approved Signatory: Benjamin Caulley

Laboratory Assistant Manager

Laboratory Number: 20956

Report Number: GSGY-GLN-25-293-40
Issue Number: 1
Date Issued: 30/03/2026
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: 6872
Date Sampled: 23/03/2026
Dates Tested: 23/03/2026 - 26/03/2026
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 13
Lot Number: 13
Material: Embankment Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	G6872A	G6872B	
Date Tested	23/03/2026	23/03/2026	
Time Tested	10:35	10:40	
Test Request #/Location	Lot 13	Lot 13	
Easting	462436.293	462454.499	
Northing	7096237.658	7096243.808	
Elevation (m)	71.106	71.167	
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)	2.07	2.10	
Field Moisture Content (%)	13.3	13.1	
Field Dry Density (FDD) (t/m ³)	1.83	1.85	
Peak Converted Wet Density (t/m ³)	2.15	2.14	
Adjusted Peak Converted Wet Density (t/m ³)	**	**	
Moisture Variation (Wv) (%)	2.0	2.0	
Adjusted Moisture Variation (%)	**	**	
Hilt Density Ratio (%)	96.5	98.0	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC