Material Test Report

Geotechnical Services (Gympie) Pty Ltd
1 Dennis Little Drive Glanmire QLD 4570
Phone: (07) 4128 3213
Email: jake.davey@gsglabs.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Jake Davey
Laboratory Manager
NATA Accredited Laboratory Number: 21185

Report Number: **GSGY-GLN-24-175-39**
Issue Number: 1
Date Issued: 27/09/2024
Client: ROBERTS BROS PTY LTD
PO BOX 247, COOROY QLD 4563
Contact: DAVID ROBERTS
Project Number: GSGY-GLN-24-175
Project Name: Oakridge Estate
Project Location: LOT 9 ON RP224705 & LOT 8 ON RP218636, GLASTONBURY ROAD, NAHRUNDA
Work Request: 3532
Dates Tested: 10/07/2024 - 26/09/2024
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: Oakridge Estate - Level 1 Supervision - Lot 5
Material: Onsite Fill
Material Source: Onsite

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	G3532A	G3532B	G3532C	G3532D	G3532E	G3532F
Date Tested	10/07/2024	11/07/2024	16/07/2024	26/08/2024	04/09/2024	24/09/2024
Time Tested	11:28	13:22	10:11	11:10	09:30	11:30
Test Request #/Location	Lot 5	Lot 5	Lot 5	26/08 Lot 5	4/9/24 Lot 5	24/9/24 Lot 5
Easting	461952.840	461957.654	4619565.614	461966.990	461955.510	461973.510
Northing	7101608.530	7101604.665	7101602.916	7101610.530	7101593.870	7101603.800
Elevation (m)	68.926	70.244	70.896	71.170	71.380	71.980
Layer / Reduced Level	-2900	**	**	**	**	**
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Onsite Fill	Onsite Fill	Onsite Fill	Onsite Fill	Onsite Fill	Onsite Fill
Test Depth (mm)	275	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	37.5	19.0	19.0	19.0
Percentage of Wet Oversize (%)	16	5	19	6	15	7
Field Wet Density (FWD) t/m^3	2.17	2.10	2.37	2.24	2.20	2.12
Field Moisture Content %	22.2	23.6	12.6	16.4	15.1	18.9
Field Dry Density (FDD) t/m^3	1.77	1.70	2.10	1.92	1.91	1.79
Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Adjusted Peak Converted Wet Density t/m^3	2.16	2.07	2.30	2.18	2.20	2.10
Moisture Variation (Wv) %	**	**	**	**	**	**
Adjusted Moisture Variation %	2.0	-0.5	1.5	0.0	1.5	0.5
Hilf Density Ratio (%)	**100.5**	**101.0**	**103.0**	**102.5**	**100.0**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Report Remarks	**	**	**	**	**	**

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