

Material Test Report



Report Number: GSGY-GLN-24-175-40
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: 3580
Dates Tested: 10/07/2024 - 27/09/2024
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
Location: Oakridge Estate - Level 1 Supervision - Lot 17
Material: Onsite Fill
Material Source: Onsite

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

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	G3580A	G3580B	G3580C	G3580D	G3580E	G3580F
Date Tested	10/07/2024	10/07/2024	10/07/2024	10/07/2024	26/08/2024	03/09/2024
Time Tested	12:00	13:25	14:50	16:20	11:00	10:10
Test Request #/Location	Lot 17 Dam	Lot 17 Dam	Lot 17 Dam	Lot 17 Dam	26/08 Lot 17 House Pad	3/9/24 Lot 17 House Pad
Easting	462255.926	462249.058	462249.286	462252.757	462230.31	462214.980
Northing	7101716.967	7101715.663	7101721.742	7101715.058	7101701.12	7101725.860
Elevation (m)	54.043	54.813	55.351	55.934	58.98	58.690
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	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	1	9	7
Field Wet Density (FWD) t/m ³	1.94	1.93	1.94	1.92	2.16	2.20
Field Moisture Content %	24.9	26.2	24.9	26.6	17.8	15.0
Field Dry Density (FDD) t/m ³	1.55	1.53	1.55	1.52	1.83	1.91
Peak Converted Wet Density t/m ³	1.94	1.96	1.91	**	**	**
Adjusted Peak Converted Wet Density t/m ³	**	**	**	1.92	2.19	2.14
Moisture Variation (Wv) %	0.0	0.0	-0.5	**	**	**
Adjusted Moisture Variation %	**	**	**	0.0	-0.5	2.0
Hilf Density Ratio (%)	100.0	98.5	101.5	100.0	98.5	103.0
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

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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	G3580G	G3580H	G3580I	G3580J	G3580K	G3580L
Date Tested	04/09/2024	05/09/2024	09/09/2024	11/09/2024	11/09/2024	16/09/2024
Time Tested	16:40	16:30	07:30	07:30	07:35	08:10
Test Request #/Location	4/9/24 Lot 17 House Pad	5/9/24 Lot 17 House Pad	9/9/24 Lot 17 House Pad	11/9/24 Lot 17 House Pad	11/9/24 Lot 17 House Pad	16/9/24 Lot 17 House Pad
Easting	462212.53	462215.43	462205.710	462211.400	462202.790	462216.660
Northing	7101714.24	7101708.30	7101719.710	7101703.430	7101719.680	7101703.880
Elevation (m)	59.33	59.80	60.120	60.800	61.300	62.000
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	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	12	16	11	5	3	0
Field Wet Density (FWD) t/m ³	2.21	2.18	2.16	2.20	2.16	2.01
Field Moisture Content %	12.0	14.0	10.0	13.9	14.2	24.6
Field Dry Density (FDD) t/m ³	1.97	1.91	1.96	1.93	1.89	1.62
Peak Converted Wet Density t/m ³	**	**	**	**	**	2.02
Adjusted Peak Converted Wet Density t/m ³	2.21	2.20	2.24	2.27	2.23	**
Moisture Variation (Wv) %	**	**	**	**	**	0.5
Adjusted Moisture Variation %	1.5	1.5	1.5	-1.0	-0.5	**
Hilf Density Ratio (%)	100.0	99.0	96.0	97.0	97.0	100.0
Compaction Method	Standard	Standard	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC
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