

Material Test Report

Report Number: P19120-1
Issue Number: 1
Date Issued: 18/01/2019
Client: Integra Land
 Level 1 / 1728 Sturt Street, Alfredton VIC 3350
Project Number: P19120
Project Name: Lucas Estate -Stage F1
Project Location: Alfredton
Work Request: 828
Date Sampled: 14/01/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard
Material Source: Test Location



Geotechnical Testing Services (Southern)
 Ballarat Soil and Concrete Testing Laboratory
 Unit 6, 33 Laidlaw Drive Delacombe VIC 3356
 Phone: (03) 5335 6494
 Email: bryanm@gts.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Bryan Mott

Approved Signatory: Bryan Mott
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	D19-828A	D19-828B	D19-828C
Date Tested	14/01/2019	14/01/2019	14/01/2019
Time Tested	10:24	10:36	10:47
Test Request #/Location	House Lot No 1288	House Lot No 1289	House Lot No 1290
Easting	54H 745340	54H 745313	54H 745329
Northing	5841382	5841387	5841424
Elevation (m)	FSL	FSL	FSL
Layer / Reduced Level	Filling	Filling	Filling
Thickness of Layer (mm)	200	200	200
Soil Description	Brown Gravelly Silty Clay	Brown Gravelly Silty Clay	Brown Gravelly Silty Clay
Test Depth (mm)	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**
Field Wet Density (FWD) t/m ³	1.94	1.96	1.84
Field Dry Density (FDD) t/m ³	**	**	**
Peak Converted Wet Density t/m ³	1.85	1.98	1.90
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Variation (Wv) %	7.0	3.0	2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	105.0	99.0	97.0
Compaction Method	Standard	Standard	Standard

Moisture Variation Note:

Positive values = test is dry of OMC
 Negative values = test is wet of OMC

Material Test Report

Report Number: P19120-2
Issue Number: 1
Date Issued: 21/01/2019
Client: Integra Land
 Level 1 / 1728 Sturt Street, Alfredton VIC 3350
Project Number: P19120
Project Name: Lucas Estate -Stage F1
Project Location: Alfredton
Work Request: 831
Date Sampled: 16/01/2019
Sampling Method: AS1289 1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard
Material Source: Test Location



Geotechnical Testing Services (Southern)
 Ballarat Soil and Concrete Testing Laboratory
 Unit 6, 33 Laidlaw Drive Delacombe VIC 3356
 Phone: (03) 5335 6494
 Email: chrism@gts.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Chris Milne
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1					
Sample Number	D19-831A	D19-831B	D19-831C	D19-831D	D19-831E
Date Tested	16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Tested	10:52	11:05	11:14	11:23	11:30
Test Request #/Location	Lot 1291 Stage F1	Lot 1287 F1	Lot 1287F1	Lot 1288 F1	Lot 1289 F1
Easting	54H 745340	54H 745354	54H 745334	54H 745334	54H 745310
Northing	5841454	5841299	5841385	5841388	5841389
Elevation (m)	300mm BFSL	300mm BFSL	FSL	300mm BFSL	300mm BFSL
Layer / Reduced Level	Filling	Filling	Filling	Filling	Filling
Thickness of Layer (mm)	200	200	200	200	200
Soil Description	Orange Brown Silty Clay	Orange Brown Silty Clay	Orange Brown Silty Clay	Orange Brown Silty Clay	Orange Brown Silty Clay
Test Depth (mm)	175	175	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	11.2	2.4	**	**
Field Wet Density (FWD) t/m ³	1.88	2.04	2.06	1.89	1.98
Field Dry Density (FDD) t/m ³	**	**	**	**	**
Peak Converted Wet Density t/m ³	1.81	**	**	1.88	1.92
Adjusted Peak Converted Wet Density t/m ³	**	1.93	1.88	**	**
Moisture Variation (Wv) %	5.5	**	**	4.5	3.5
Adjusted Moisture Variation %	**	4.5	5.5	**	**
Hilf Density Ratio (%)	104.0	106.0	110.0	100.5	102.5
Compaction Method	Standard	Standard	Standard	Standard	Standard

Moisture Variation Note:

Positive values = test is dry of OMC
 Negative values = test is wet of OMC