

Viewpoint Estate Stage F2 Huntly

Earthworks Supervision Report for DPJ Civil

Report 22C 0118-1
February, 2023

Viewpoint Estate Stage F2 Huntly

Earthworks Supervision Report

for
DPJ Civil

Revision

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TABLE OF CONTENTS

1	INTRODUCTION	4
2	SCOPE OF WORKS.....	4
2.1	AREA OF WORK.....	4
2.2	PLACEMENT SPECIFICATION	4
3	INSPECTION AND TESTING.....	5
4	SUMMARY OF TEST RESULTS.....	5
5	STATEMENT OF COMPLIANCE	7

APPENDIX

Site Plan
Test Reports

1 INTRODUCTION

DPJ Civil commissioned Geotechnical Testing Services (GTS) to undertake Level 1 Supervision and testing (AS3798-2007) for the earthworks for the residential subdivision Viewpoint Estate Stage F2, Huntly.

Level 1 Testing was generally performed in line with AS3798-2007 "Guidelines on Earthworks for Commercial and Residential Development" and provides inspection of the construction of controlled fill and compaction testing in accordance with AS1289 "Methods of Testing Soils for Engineering Purposes". The Level 1 testing was undertaken by Geotechnicians with supervision provided by a Geotechnical Engineer from GTS.

2 SCOPE OF WORKS

2.1 AREA OF WORK

Geotechnical Testing Services provided Level 1 inspection and testing of the engineered fill placed in Lots 561 to 572, 585 to 598 and 623 to 627. In addition, future lots immediately behind Lots 561, 563 to 567 were also included engineered filling operations.

The depth of fill across the site varied from none to around 900mm at its deepest with the approximate locations shown on the attached site plan. It is noted that sites with less than 300mm were not included in the controlled fill.

2.2 PLACEMENT SPECIFICATION

Whilst there was no earthworks specification compiled for this project, the placement of the fill and associated works generally followed the recommendations outlined in AS3798-2007 "Guidelines for Earthworks for Commercial and Residential Developments" and the construction specification.

In summary, the earthworks comply with the following:

- The layers for residential lots are to be compacted to at least 95% of the density ratio in accordance with AS1289 5.1.1 (or 5.7.1), based on Standard compaction.

In accordance with Table 8.1 of AS3798-2007, the filling may be considered a large scale (greater than 1500m²) and therefore a minimum of 1 test per 2500m² or 3 tests per visit are required. It is

noted that under this scale, not every lot required testing however, the testing was generally conducted at 1 test per lot per layer which exceeds the minimum requirements.

3 INSPECTION AND TESTING

Inspection of the excavated base was conducted by a Senior Geotechnical Engineer and it was observed that the unsuitable material (vegetation, topsoil/silt) had been removed with the base consisting of a Silty Clay material of suitable strength.

Level 1 inspection and testing was undertaken by a geotechnician from GTS who nominated the timing and location of the in-situ density tests. The approximate location of each test is recorded on the test reports and attached fill plan.

Laboratory compaction testing was undertaken on a one to one basis at our Bendigo laboratory. A summary of the results of the compaction control testing is presented in a table below with the full NATA endorsed test reports included in the Appendix.

4 SUMMARY OF TEST RESULTS

A summary of the test results is included in the following table with full NATA accredited reports included in the Appendix.

Project No.	Sample No.	Test Date	Location	Reduced Level (mm)	Moisture Variation %O.M.C	Hilf Density Ratio %
1	B22-10552A	19/01/2022	Lot 598	-300	3.0	101.5
2	B22-10552B	19/01/2022	Lot 597	-300	3.0	104.5
3	B22-10552C	19/01/2022	Lot 596	-300	2.5	106.0
4	B22-10552D	19/01/2022	Lot 594	-300	3.0	100.5
5	B22-10552E	19/01/2022	Lot 593	-300	4.0	103.0
6	B22-10599A	24/01/2022	Lot 598	FSL	4.0	97.5
7	B22-10599B	24/01/2022	Lot 597	FSL	4.5	101.0
8	B22-10599C	24/01/2022	Lot 596	FSL	5.0	98.0
9	B22-10599D	24/01/2022	Lot 595	FSL	4.5	100.0
10	B22-10599E	24/01/2022	Lot 594	FSL	5.5	100.5
11	B22-10599F	24/01/2022	Lot 593	FSL	5.0	105.5
12	B22-10599G	24/01/2022	Lot 592	FSL	3.0	100.0
13	B22-10599H	24/01/2022	Lot 591	FSL	4.0	106.5

Project No.	Sample No.	Test Date	Location	Reduced Level (mm)	Moisture Variation %O.M.C	Hilf Density Ratio %
14	B22-10599I	24/01/2022	Lot 590	FSL	3.5	104.5
15	B22-10599J	24/01/2022	Lot 589	FSL	4.5	106.5
16	B22-10599K	24/01/2022	Lot 588	FSL	4.5	106.0
17	B22-10599L	24/01/2022	Lot 586	FSL	5.0	107.5
18	B22-10599M	24/01/2022	Lot 585	FSL	5.0	103.0
19	B22-10626A	31/01/2022	Lot 595	-300	3.5	100.0
20	B22-10689A	10/02/2022	Lot 564	-300	4.5	97.5
21	B22-10689B	10/02/2022	Lot 565	-300	4.0	96.5
22	B22-10689C	10/02/2022	Lot 566	-300	3.0	97.0
23	B22-10689D	10/02/2022	Behind Lot 566	-300	3.0	99.5
24	B22-10689E	10/02/2022	Behind Lot 564	-300	2.5	99.5
25	B22-10689F	10/02/2022	Lot 567	-300	3.0	99.0
26	B22-10689G	10/02/2022	Lot 568	-300	5.0	102.5
27	B22-10689H	10/02/2022	Lot 569	-300	3.0	95.0
28	B22-10741A	18/02/2022	Behind Lot 567	FSL	3.0	99.5
29	B22-10741B	18/02/2022	Lot 567	FSL	4.0	100.0
30	B22-10741C	18/02/2022	Lot 568	FSL	4.5	97.0
31	B22-10741D	18/02/2022	Lot 569	FSL	2.0	99.5
32	B22-10741E	18/02/2022	Lot 570	FSL	4.0	102.0
33	B22-10751A	21/02/2022	Lot 564	FSL	4.5	95.0
34	B22-10751B	21/02/2022	Lot 565	FSL	3.5	94.0
35	B22-10751C	21/02/2022	Lot 566	FSL	4.0	95.5
36	B22-10751D	21/02/2022	Behind Lot 566	FSL	3.0	103.0
37	B22-10751E	21/02/2022	Behind Lot 564	FSL	10.0	105.5
38	B22-10802A	25/02/2022	Lot 598	-300	3.0	96.5
39	B22-10802B	25/02/2022	Lot 623	-300	4.0	102.0
40	B22-10852B	4/03/2022	Lot 562	-600	0.5	103.5
41	B22-10852A	4/03/2022	Lot 561	-600	2.0	100.5
42	B22-10889A	10/03/2022	Retest Lot 565	FSL	2.5	105.0
43	B22-10889B	10/03/2022	Lot 563	-300	2.5	105.0
44	B22-10889C	10/03/2022	Behind Lot 563	-300	0.5	103.0
45	B22-10889D	10/03/2022	Lot 562	-300	4.5	99.5
46	B22-10889E	10/03/2022	Lot 561	-300	3.0	103.0
47	B22-10889F	10/03/2022	Behind Lot 561	-300	3.0	100.0
48	B22-10927A	22/03/2022	Lot 623	FSL	2.5	102.0

Project No.	Sample No.	Test Date	Location	Reduced Level (mm)	Moisture Variation %O.M.C	Hilf Density Ratio %
49	B22-10927B	22/03/2022	Lot 598	FSL	1.5	102.0
50	B22-10927C	22/03/2022	Lot 563	FSL	2.5	109.0
51	B22-10927D	22/03/2022	Lot 562	FSL	5.0	109.0
52	B23-12556A	14/02/2023	Lot 623	300	3.5	108.0
53	B23-12556B	14/02/2023	Lot 624	300	5.0	111.5
54	B23-12556C	14/02/2023	Lot 625	FSL	4.5	99.5
55	B23-12556D	14/02/2023	Lot 626	FSL	4.5	100.5
56	B23-12556E	14/02/2023	Lot 627	FSL	2.5	105.5
57	B23-12591A	17/02/2023	Lot 623	FSL	4.0	103.0
58	B23-12591B	17/02/2023	Lot 624	FSL	2.0	98.0

5 STATEMENT OF COMPLIANCE

GTS personnel have provided Level 1 inspection and testing services during the placement of material for the filling in Lots 561 to 572, 585 to 598 and 623 to 627 as well as future lots immediately behind Lots 561, 563 to 567. The placement of fill and construction techniques adopted was observed throughout the project.

Based on observations made by GTS personnel and the results of field and laboratory tests, we consider that the fill has been placed and compacted and is considered to be engineered or controlled fill. Therefore, subject to residential site classifications, the controlled fill material is deemed a suitable founding medium for future residential buildings. It is noted that topsoil material may be spread across the sites following completion of these earthworks and that this topsoil material is not considered controlled fill.



Shane Hampton BE (Hons), MIEAust
Principal Geotechnical Engineer

APPENDIX

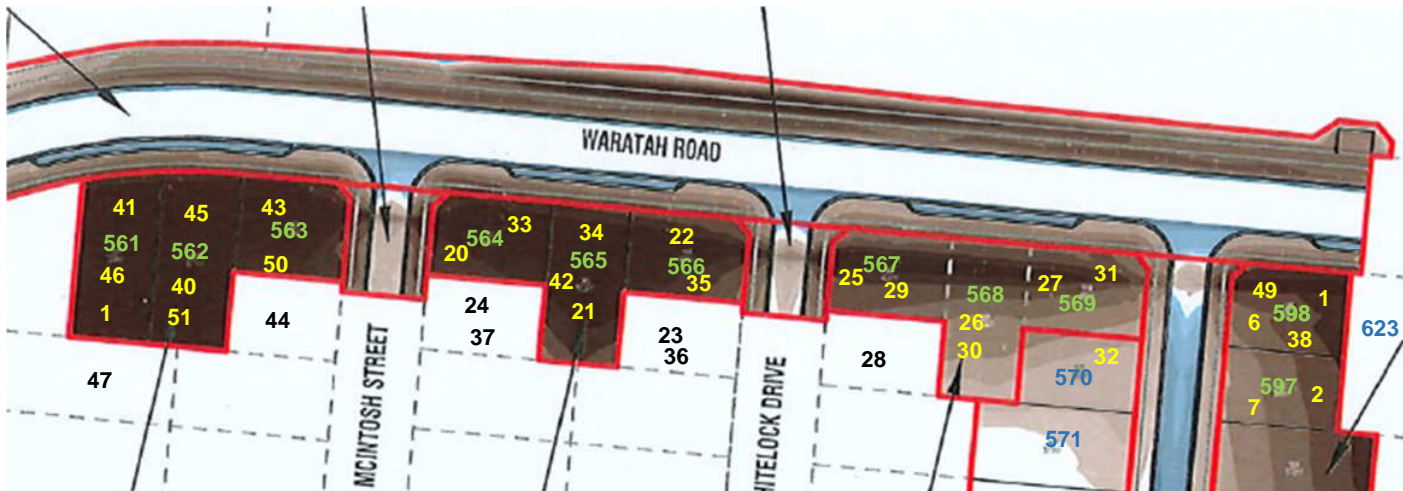


Fig 1: Site Plan Part 1



Fig 2: Site Plan Part 2

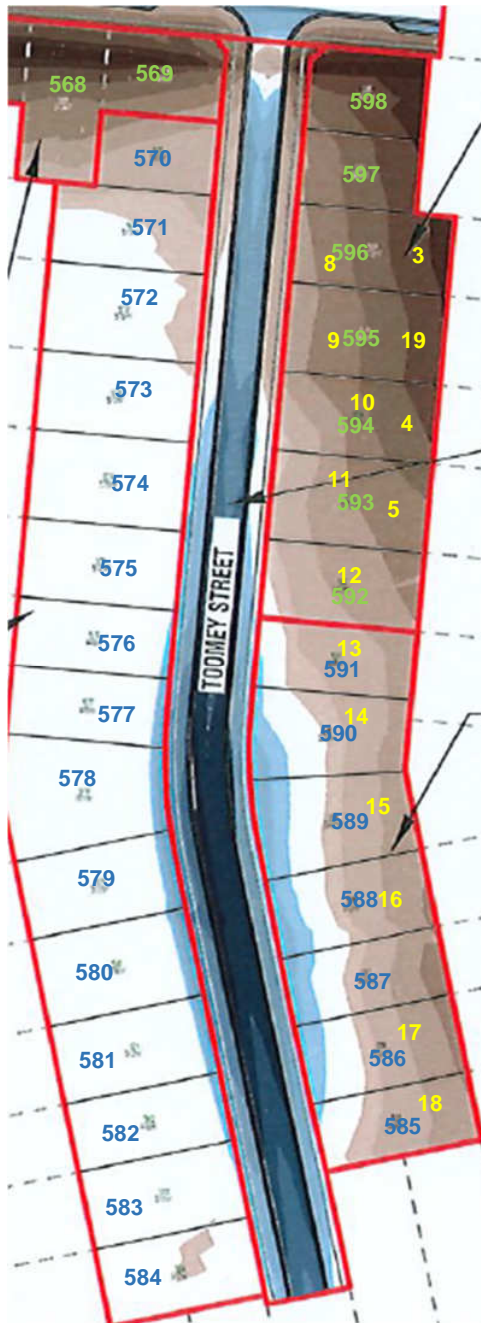


Fig 2: Site Plan Part 3

Material Test Report

Report Number: P18615-58
Issue Number: 1
Date Issued: 19/01/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: View Point Huntly
Work Request: 10552
Date Sampled: 19/01/2022 8:30
Dates Tested: 19/01/2022 - 19/01/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



Geotechnical Testing Services (Southern)
 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1					
Sample Number	B22-10552A	B22-10552B	B22-10552C	B22-10552D	B22-10552E
Date Tested	19/01/2022	19/01/2022	19/01/2022	19/01/2022	19/01/2022
Time Tested	08:10	08:19	08:27	08:36	08:43
Test Request #/Location	F2 View Point Lot 598	F2 View Point Lot 597	F2 View Point Lot 596	F2 View Point Lot 594	F2 View Point Lot 593
Easting	263604, (Zone 55H), 177 m	263598, (Zone 55H), 182 m	263594, (Zone 55H), 178 m	263594, (Zone 55H), 180 m	263594, (Zone 55H), 177 m
Northing	5939241	5939226	5939208	5939194	5939176
Layer / Reduced Level	-300	-300	-300	-300	-300
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay
Test Depth (mm)	275	275	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	5	0	0	7
Field Wet Density (FWD) t/m ³	2.07	2.18	2.19	2.10	2.11
Field Dry Density (FDD) t/m ³	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.04	**	2.06	2.10	**
Adjusted Peak Converted Wet Density t/m ³	**	2.08	**	**	2.05
Moisture Variation (Wv) %	3.0	**	2.5	3.0	**
Adjusted Moisture Variation %	**	3.0	**	**	4.0
Hilf Density Ratio (%)	101.5	104.5	106.0	100.5	103.0
Compaction Method	Standard	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**	**

Moisture Variation Note:

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

Material Test Report



Report Number: P18615-59
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Amended layer
Date Issued: 31/01/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage F2
Work Request: 10599
Date Sampled: 24/01/2022
Dates Tested: 24/01/2022 - 27/01/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location

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 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B22-10599A	B22-10599B	B22-10599C	B22-10599D	B22-10599E	B22-10599F
Date Tested	24/01/2022	24/01/2022	24/01/2022	24/01/2022	24/01/2022	24/01/2022
Time Tested	15:22	15:23	15:30	15:37	15:46	16:03
Test Request #/Location	House Pad 598	House Pad 597	House Pad 596	House Pad 595	House Pad 594	House Pad 593
Easting	263590, (Zone 55H), 184 m	263587, (Zone 55H), 182 m	263597, (Zone 55H), 182 m	263597, (Zone 55H), 180 m	263594, (Zone 55H), 182 m	263592, (Zone 55H),
Northing	5939242	5939234	5939225	5939206	5939182	5939167
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay
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	0	0	0
Field Wet Density (FWD) t/m ³	2.06	2.09	2.03	2.04	2.06	2.14
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.12	2.07	2.07	2.04	2.05	2.03
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Variation (Wv) %	4.0	4.5	5.0	4.5	5.5	5.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	97.5	101.0	98.0	100.0	100.5	105.5
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

Material Test Report



Report Number: P18615-59
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Amended layer
Date Issued: 31/01/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage F2
Work Request: 10599
Date Sampled: 24/01/2022
Dates Tested: 24/01/2022 - 27/01/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location

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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B22-10599G	B22-10599H	B22-10599I	B22-10599J	B22-10599K	B22-10599L
Date Tested	24/01/2022	24/01/2022	24/01/2022	24/01/2022	24/01/2022	24/01/2022
Time Tested	16:06	16:16	16:22	16:32	16:37	16:46
Test Request #/Location	House Pad 592	House Pad 591	House Pad 590	House Pad 589	House Pad 588	House Pad 586
Easting	263589, (Zone 55H), 180 m	263590, (Zone 55H), 185 m	263593, (Zone 55H), 182 m	263592, (Zone 55H), 182 m	263595, (Zone 55H), 185 m	263597, (Zone 55H), 184 m
Northing	5939147	5939135	5939117	5939107	5939088	5939072
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	200	200	200	200	200
Soil Description	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay
Test Depth (mm)	275	175	175	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	1	0	0	0
Field Wet Density (FWD) t/m ³	2.10	2.17	2.06	2.20	2.23	2.22
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.10	2.04	**	2.07	2.11	2.07
Adjusted Peak Converted Wet Density t/m ³	**	**	1.96	**	**	**
Moisture Variation (Wv) %	3.0	4.0	**	4.5	4.5	5.0
Adjusted Moisture Variation %	**	**	3.5	**	**	**
Hilf Density Ratio (%)	100.0	106.5	104.5	106.5	106.0	107.5
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

Material Test Report



Report Number: P18615-59
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Amended layer
Date Issued: 31/01/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage F2
Work Request: 10599
Date Sampled: 24/01/2022
Dates Tested: 24/01/2022 - 27/01/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location

Geotechnical Testing Services (Southern)
 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B22-10599M					
Date Tested	24/01/2022					
Time Tested	16:52					
Test Request #/Location	House Pad 585					
Easting	263601, (Zone 55H), 181 m					
Northing	5939060					
Layer / Reduced Level	FSL					
Thickness of Layer (mm)	200					
Soil Description	Silty Gravelly Clay					
Test Depth (mm)	175					
Sieve used to determine oversize (mm)	19.0					
Percentage of Wet Oversize (%)	0					
Field Wet Density (FWD) t/m ³	2.14					
Field Dry Density (FDD) t/m ³	**					
Peak Converted Wet Density t/m ³	2.07					
Adjusted Peak Converted Wet Density t/m ³	**					
Moisture Variation (Wv) %	5.0					
Adjusted Moisture Variation %	**					
Hilf Density Ratio (%)	103.0					
Compaction Method	Standard					
Report Remarks	**					

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-60
Issue Number: 1
Date Issued: 31/01/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Viewpoint F2
Work Request: 10626
Date Sampled: 31/01/2022
Dates Tested: 31/01/2022 - 31/01/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B22-10626A		
Date Tested	31/01/2022		
Time Tested	10:33		
Test Request #/Location	Viewpoint F2 House Blocks		
Chainage (m)	Lot 595		
Location Offset (m)	Rear Centre		
Layer / Reduced Level	-300		
Thickness of Layer (mm)	300		
Soil Description	Gravelly Silty Clay		
Test Depth (mm)	275		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	1		
Field Wet Density (FWD) t/m ³	2.02		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	**		
Adjusted Peak Converted Wet Density t/m ³	2.02		
Moisture Variation (Wv) %	**		
Adjusted Moisture Variation %	3.5		
Hilf Density Ratio (%)	100.0		
Compaction Method	Standard		
Report Remarks	**		

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-61
Issue Number: 1
Date Issued: 11/02/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Viewpoint stage F2
Work Request: 10689
Date Sampled: 10/02/2022
Dates Tested: 10/02/2022 - 10/02/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



Geotechnical Testing Services (Southern)
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Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1				
Sample Number	B22-10689A	B22-10689B	B22-10689C	B22-10689D
Date Tested	10/02/2022	10/02/2022	10/02/2022	10/02/2022
Time Tested	08:32	08:38	08:42	08:46
Test Request #/Location	Viewpoint Stage F2 House blocks	Viewpoint Stage F2 House blocks	Viewpoint Stage F2 House blocks	Viewpoint Stage F2 House blocks
Chainage (m)	Lot 564	Lot 565	Lot 566	263468
Location Offset (m)	Centre of block	Front centre of block	Centre of Block	5939243
Layer / Reduced Level	-300	-300	-300	-300
Thickness of Layer (mm)	300	300	300	300
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay
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 (%)	0	0	0	3
Field Wet Density (FWD) t/m ³	1.94	1.95	1.94	2.05
Field Dry Density (FDD) t/m ³	**	**	**	**
Peak Converted Wet Density t/m ³	1.98	2.02	2.01	**
Adjusted Peak Converted Wet Density t/m ³	**	**	**	2.07
Moisture Variation (Wv) %	4.5	4.0	3.0	**
Adjusted Moisture Variation %	**	**	**	3.0
Hilf Density Ratio (%)	97.5	96.5	97.0	99.5
Compaction Method	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-61
Issue Number: 1
Date Issued: 11/02/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Viewpoint stage F2
Work Request: 10689
Date Sampled: 10/02/2022
Dates Tested: 10/02/2022 - 10/02/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



Geotechnical Testing Services (Southern)
 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1				
Sample Number	B22-10689E	B22-10689F	B22-10689G	B22-10689H
Date Tested	10/02/2022	10/02/2022	10/02/2022	10/02/2022
Time Tested	08:52	09:04	09:10	09:16
Test Request #/Location	Viewpoint Stage F2 House blocks	Viewpoint Stage F2 House blocks	Viewpoint Stage F2 House blocks	Viewpoint Stage F2 House blocks
Chainage (m)	263430	Lot 567	Lot 568	Lot 569
Location Offset (m)	5939248	Centre of Block	Front Centre	Centre of Block
Layer / Reduced Level	-300	-300	-300	-300
Thickness of Layer (mm)	300	300	300	300
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay
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 (%)	0	0	0	0
Field Wet Density (FWD) t/m ³	2.04	2.02	2.02	1.98
Field Dry Density (FDD) t/m ³	**	**	**	**
Peak Converted Wet Density t/m ³	2.06	2.04	1.98	2.09
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Variation (Wv) %	2.5	3.0	5.0	3.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	99.5	99.0	102.5	95.0
Compaction Method	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-62
Issue Number: 1
Date Issued: 21/02/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Huntly
Work Request: 10741
Date Sampled: 18/02/2022
Dates Tested: 18/02/2022 - 19/02/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



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 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1					
Sample Number	B22-10741A	B22-10741B	B22-10741C	B22-10741D	B22-10741E
Date Tested	18/02/2022	18/02/2022	18/02/2022	18/02/2022	18/02/2022
Time Tested	08:15	08:21	08:27	08:35	08:41
Test Request #/Location	Future Stage Stage F2	Lot 567 Stage F2	Lot 568 Stage F2	Lot 569 Stage F2	Lot 579 Stage F2
Easting	263501, (Zone 55H), 164 m	263508, (Zone 55H), 181 m	263526, (Zone 55H), 181 m	263547, (Zone 55H), 183 m	263545, (Zone 55H), 181 m
Northing	5939248	5939264	5939254	5939255	5939248
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	200	200	200	200	200
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly 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 (%)	0	0	0	0	0
Field Wet Density (FWD) t/m ³	2.03	2.02	1.96	2.10	2.10
Field Dry Density (FDD) t/m ³	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.03	2.02	2.02	2.11	2.06
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Moisture Variation (Wv) %	3.0	4.0	4.5	2.0	4.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	99.5	100.0	97.0	99.5	102.0
Compaction Method	Standard	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**	**

Moisture Variation Note:

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

Material Test Report



Report Number: P18615-63
Issue Number: 1
Date Issued: 24/02/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: View Point Estate
Work Request: 10751
Date Sampled: 21/02/2022
Dates Tested: 21/02/2022 - 21/02/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location

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 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1				
Sample Number	B22-10751A	B22-10751B	B22-10751C	B22-10751D
Date Tested	21/02/2022	21/02/2022	21/02/2022	21/02/2022
Time Tested	08:01	08:07	08:13	08:22
Test Request #/Location	Lot 564 Stage F2	Lot 565 Stage F2	Lot 566 Stage F2	Future Stage Stage F2
Easting	263429, (Zone 55H), 177 m	263448, (Zone 55H), 183 m	263465, (Zone 55H), 183 m	263461, (Zone 55H), 180 m
Northing	5939259	5939262	5939261	5939243
Layer / Reduced Level	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay
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 (%)	0	0	0	0
Field Wet Density (FWD) t/m ³	1.87	1.91	1.95	1.97
Field Dry Density (FDD) t/m ³	**	**	**	**
Peak Converted Wet Density t/m ³	1.97	2.03	2.04	1.91
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Variation (Wv) %	4.5	3.5	4.0	3.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	95.0	94.0	95.5	103.0
Compaction Method	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-63
Issue Number: 1
Date Issued: 24/02/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: View Point Estate
Work Request: 10751
Date Sampled: 21/02/2022
Dates Tested: 21/02/2022 - 23/02/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



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 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1			
Sample Number	B22-10751E		
Date Tested	21/02/2022		
Time Tested	08:34		
Test Request #/Location	Future Stage Stage F2		
Easting	263429, (Zone 55H), 181 m		
Northing	5939247		
Layer / Reduced Level	FSL		
Thickness of Layer (mm)	300		
Soil Description	Gravelly Silty Clay		
Test Depth (mm)	275		
Fraction Tested (mm)	19.0		
Oversize (wet basis) %	0		
Oversize (dry basis) %	0		
Curing Hours	**		
Method used to Determine Plasticity	Visual		
Field Wet Density t/m ³	2.04		
Field Moisture Content %	4.8		
Field Dry Density t/m ³	1.95		
Maximum Dry Density t/m ³	1.85		
Adjusted Maximum Dry Density t/m ³	**		
Optimum Moisture Content (OMC) %	15.0		
Adjusted Optimum Moisture Content (OMC) %	**		
Moisture Variation %	10.0		
Moisture Ratio %	32.0		
Density Ratio %	105.5		
Compaction Method	Standard		

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-64
Issue Number: 1
Date Issued: 01/03/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage F2 & Future stage
Work Request: 10802
Date Sampled: 25/02/2022
Dates Tested: 25/02/2022 - 28/02/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



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 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B22-10802A	B22-10802B	
Date Tested	25/02/2022	25/02/2022	
Time Tested	14:48	14:53	
Test Request #/Location	Stage F2 House Blocks	Future Stage House Blocks	
Chainage (m)	Lot 598	263605	
Location Offset (m)	Centre	5939250	
Layer / Reduced Level	-300	-300	
Thickness of Layer (mm)	300	300	
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	2	0	
Field Wet Density (FWD) t/m ³	2.07	2.11	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	**	2.07	
Adjusted Peak Converted Wet Density t/m ³	2.14	**	
Moisture Variation (Wv) %	**	4.0	
Adjusted Moisture Variation %	3.0	**	
Hilf Density Ratio (%)	96.5	102.0	
Compaction Method	Standard	Standard	
Report Remarks	**	**	

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-65
Issue Number: 1
Date Issued: 07/03/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Huntly
Work Request: 10852
Date Sampled: 04/03/2022
Dates Tested: 04/03/2022 - 05/03/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



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 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
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Approved Signatory: Josh Lagodzki
 NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B22-10852A	B22-10852B	
Date Tested	04/03/2022	04/03/2022	
Time Tested	10:11	10:08	
Test Request #/Location	Lot 561 Veiv Point Stage f2	Lot 562 Veiv Point Stage f2	
Easting	263347, (Zone 55H), 184 m	263368, (Zone 55H), 187 m	
Northing	5939267	5939257	
Layer / Reduced Level	-600	-600	
Thickness of Layer (mm)	300	300	
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Field Wet Density (FWD) t/m ³	2.12	2.29	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	2.11	2.21	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	2.0	0.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	100.5	103.5	
Compaction Method	Standard	Standard	
Report Remarks	**	**	

Moisture Variation Note:

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

Material Test Report



Report Number: P18615-66
Issue Number: 1
Date Issued: 11/03/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Huntly
Work Request: 10889
Date Sampled: 10/03/2022
Dates Tested: 10/03/2022 - 10/03/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location

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 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Approved Signatory: Josh Lagodzki
 CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B22-10889A	B22-10889B	B22-10889C	B22-10889D	B22-10889E	B22-10889F
Date Tested	10/03/2022	10/03/2022	10/03/2022	10/03/2022	10/03/2022	10/03/2022
Time Tested	10:30	10:39	10:45	10:54	11:04	11:09
Test Request #/Location	Retest Lot 565 House Pad	Lot 563 House Pad	Future Stage 563 B House Pad	Lot 562 House Pad	Lot 561 House Pad	Future Stage 561 B House Pad
Easting	263445, (Zone 55H), 181 m	263387, (Zone 55H), 180 m	263387, (Zone 55H),	263372, (Zone 55H), 178 m	263358, (Zone 55H), 181 m	263344, (Zone 55H), 182 m
Northing	5939249	5939269	5939256	5939262	5939263	5939261
Layer / Reduced Level	FSL	-300	-300	-300	-300	-300
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay
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	0	0	0
Field Wet Density (FWD) t/m ³	2.18	2.22	2.17	2.10	2.21	2.17
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.08	2.12	2.10	2.12	2.15	2.18
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Variation (Wv) %	2.5	2.5	0.5	4.5	3.0	3.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	105.0	105.0	103.0	99.5	103.0	100.0
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

Material Test Report

Report Number: P18615-67
Issue Number: 1
Date Issued: 23/03/2022
Client: Dunlop & Pitson Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage F2
Work Request: 10927
Date Sampled: 22/03/2022
Dates Tested: 22/03/2022 - 22/03/2022
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: test location



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 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Handwritten signature

Approved Signatory: Josh Lagodzki
 CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B22-10927A	B22-10927B	B22-10927C	B22-10927D	B22-10927E	B22-10927F
Date Tested	22/03/2022	22/03/2022	22/03/2022	22/03/2022	22/03/2022	22/03/2022
Time Tested	09:53	10:01	10:10	10:16	10:24	10:30
Test Request #/Location	Future Stage House Block	Stage F2 House Block	Future Stage House Block	Stage F2 House Block	Stage F2 House Block	Stage F2 House Block
Chainage (m)	263604	Lot 598	Lot 563	Lot 562	Lot 561	263384
Location Offset (m)	5939250	Front Centre	Centre	Centre	Centre	5939259
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay	Gravelly Silty Clay
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	0	0	0
Field Wet Density (FWD) t/m ³	2.21	2.19	2.32	2.27	2.20	2.16
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.17	2.15	2.13	2.07	2.09	2.05
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Moisture Variation (Wv) %	2.5	1.5	2.5	5.0	5.0	4.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	102.0	102.0	109.0	109.0	105.5	105.5
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

Material Test Report



Report Number: P18615-97
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Amended Layer on test B23-12556F/G
Date Issued: 16/02/2023
Client: DPJ Civil Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage F2 and G1
Work Request: 12556
Date Sampled: 14/02/2023
Dates Tested: 14/02/2023 - 15/02/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location

Geotechnical Testing Services (Southern)
 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Approved Signatory: Josh Lagodzki
 CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1				
Sample Number	B23-12556A	B23-12556B	B23-12556C	B23-12556D
Date Tested	14/02/2023	14/02/2023	14/02/2023	14/02/2023
Time Tested	14:07	14:13	14:27	14:33
Test Request #/Location	House blocks Block 623 F2	House blocks Block 624 F2	House blocks Block 625 F2	House blocks Block 626 F2
Chainage (m)	Centre	Centre	Centre	Centre
Location Offset (m)	**	**	**	**
Layer / Reduced Level	-300	-300	Fsl	Fsl
Thickness of Layer (mm)	300	300	300	300
Soil Description	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel
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 (%)	0	0	0	0
Field Wet Density (FWD) t/m ³	2.23	2.23	2.06	2.06
Field Dry Density (FDD) t/m ³	**	**	**	**
Peak Converted Wet Density t/m ³	2.06	2.00	2.07	2.04
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Moisture Variation (Wv) %	3.5	5.0	4.5	4.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	108.0	111.5	99.5	100.5
Compaction Method	Standard	Standard	Standard	Standard
Report Remarks	**	**	**	**

Moisture Variation Note:

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

Material Test Report



Report Number: P18615-97
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Amended Layer on test B23-12556F/G
Date Issued: 16/02/2023
Client: DPJ Civil Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage F2 and G1
Work Request: 12556
Date Sampled: 14/02/2023
Dates Tested: 14/02/2023 - 15/02/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location

Geotechnical Testing Services (Southern)
 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Approved Signatory: Josh Lagodzki
 CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B23-12556E	B23-12556F	B23-12556G
Date Tested	14/02/2023	14/02/2023	14/02/2023
Time Tested	14:41	14:44	14:51
Test Request #/Location	House blocks Block 627 F2	House blocks Block 628 G1	House blocks Block 629 G1
Chainage (m)	Centre	Centre	Rear
Location Offset (m)	**	**	**
Layer / Reduced Level	Fsl	Fsl	Fsl
Thickness of Layer (mm)	300	300	300
Soil Description	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	1	0	0
Field Wet Density (FWD) t/m ³	2.19	1.98	2.21
Field Dry Density (FDD) t/m ³	**	**	**
Peak Converted Wet Density t/m ³	**	2.03	2.11
Adjusted Peak Converted Wet Density t/m ³	2.07	**	**
Moisture Variation (Wv) %	**	3.0	2.5
Adjusted Moisture Variation %	2.5	**	**
Hilf Density Ratio (%)	105.5	97.0	104.5
Compaction Method	Standard	Standard	Standard
Report Remarks	**	**	**

Moisture Variation Note:

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

Material Test Report

Report Number: P18615-98
Issue Number: 1
Date Issued: 21/02/2023
Client: DPJ Civil Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage G1 / G2 / F2
Work Request: 12591
Date Sampled: 17/02/2023
Dates Tested: 17/02/2023 - 21/02/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



Geotechnical Testing Services (Southern)
 Bendigo Soil and Concrete Testing Laboratory
 13 Alstonvale Court East Bendigo VIC 3550
 Phone: (03) 5441 4881
 Email: joshl@gts.com.au

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Approved Signatory: Josh Lagodzki
 CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B23-12591A	B23-12591B	B23-12591C	B23-12591D	B23-12591E	B23-12591F
Date Tested	17/02/2023	17/02/2023	17/02/2023	17/02/2023	17/02/2023	17/02/2023
Time Tested	11:19	11:23	11:38	11:41	11:49	11:55
Test Request #/Location	House blocks Block 623 F2	House blocks Block 624 F2	House blocks Block 702 G2	House blocks Block 701 G2	House blocks Block 700 G2	House blocks Block 699 G2
Chainage (m)	Middle	Middle	Back	Back	Back	Back
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel
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	0	5	2
Field Wet Density (FWD) t/m ³	2.10	2.01	2.03	2.07	2.14	2.08
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	2.04	2.05	2.02	2.03	**	**
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	2.11	2.03
Moisture Variation (Wv) %	4.0	2.0	4.5	4.5	**	**
Adjusted Moisture Variation %	**	**	**	**	2.5	5.0
Hilf Density Ratio (%)	103.0	98.0	100.5	102.0	101.5	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

Material Test Report

Report Number: P18615-98
Issue Number: 1
Date Issued: 21/02/2023
Client: DPJ Civil Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage G1 / G2 / F2
Work Request: 12591
Date Sampled: 17/02/2023
Dates Tested: 17/02/2023 - 21/02/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



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Approved Signatory: Josh Lagodzki
 CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B23-12591G	B23-12591H	B23-12591I	B23-12591J	B23-12591K	B23-12591L
Date Tested	17/02/2023	17/02/2023	17/02/2023	17/02/2023	17/02/2023	17/02/2023
Time Tested	12:01	12:07	12:13	12:19	12:24	12:34
Test Request #/Location	House blocks Block 698 G2	House blocks Block 697 G2	House blocks Block 696 G2	House blocks Block 695 G2	House blocks Block 694 G2	House blocks Block 630 G1
Chainage (m)	Back	Back	Back	Back	Back	Middle
Location Offset (m)	**	**	**	**	**	**
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel	Clayey Sandy Gravel
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 (%)	2	1	2	0	4	4
Field Wet Density (FWD) t/m ³	2.22	2.07	2.24	2.04	2.11	2.22
Field Dry Density (FDD) t/m ³	**	**	**	**	**	**
Peak Converted Wet Density t/m ³	**	**	**	2.04	**	**
Adjusted Peak Converted Wet Density t/m ³	2.07	2.08	2.03	**	2.08	2.13
Moisture Variation (Wv) %	**	**	**	4.5	**	**
Adjusted Moisture Variation %	4.0	4.0	5.0	**	3.5	2.5
Hilf Density Ratio (%)	107.0	99.5	110.5	100.0	101.5	104.5
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

Material Test Report

Report Number: P18615-98
Issue Number: 1
Date Issued: 21/02/2023
Client: DPJ Civil Pty Ltd
 24 Jewell Court , Bendigo VIC 3550
Project Number: P18615
Project Name: View Point Estate
Project Location: Stage G1 / G2 / F2
Work Request: 12591
Date Sampled: 17/02/2023
Dates Tested: 17/02/2023 - 21/02/2023
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Site Selection: Selected by Client
Material Source: Test Location



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Approved Signatory: Josh Lagodzki
 CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1						
Sample Number	B23-12591M					
Date Tested	17/02/2023					
Time Tested	12:38					
Test Request #/Location	House blocks Block 631 G1					
Chainage (m)	Middle					
Location Offset (m)	**					
Layer / Reduced Level	FSL					
Thickness of Layer (mm)	300					
Soil Description	Clayey Sandy Gravel					
Test Depth (mm)	275					
Sieve used to determine oversize (mm)	19.0					
Percentage of Wet Oversize (%)	1					
Field Wet Density (FWD) t/m ³	2.04					
Field Dry Density (FDD) t/m ³	**					
Peak Converted Wet Density t/m ³	**					
Adjusted Peak Converted Wet Density t/m ³	2.04					
Moisture Variation (Wv) %	**					
Adjusted Moisture Variation %	5.0					
Hilf Density Ratio (%)	100.5					
Compaction Method	Standard					
Report Remarks	**					

Moisture Variation Note:

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