

Imagine Estate, Stage 32 Strathfieldsaye

Earthworks Supervision Report for DPJ Civil

Report 25C 0357
Sept, 2026

Imagine Estate, Stage 32
Strathfieldsaye

Earthworks Supervision Report
for
DPJ Civil

Revision

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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 at Imagine Estate Stage 32, Strathfieldsaye.

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 the dam through Lots 3209 to 3211 and raising/levelling of lots 3213 and 3215 to 3220.

The depth of fill across the site varied from none to around 1500mm in the deepest section of the dam with the approximate locations shown on the attached site plan. Lots with less than 300mm of fill are not included in 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 small scale (less than 1500m²) and therefore a minimum of 1 test per layer per lot is required with the testing meeting the minimum requirements.

3 INSPECTION AND TESTING

Inspection of the excavated bases were conducted by a Senior Geotechnical Engineer and it was observed that the unsuitable material (vegetation, topsoil/silt and low strength material) had been removed with the base consisting of a Sandy/Silty Clay material of suitable strength or weathered rock in the base of the dam.

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. It is noted that the lot numbers in both Stages 30 and 31 changed after tests had been completed with the new lot numbers below and the initial one recorded on the test reports in brackets.

Project No.	Sample No.	Test Date	Location	Reduced Level (mm)	Moisture Variation %O.M.C	Hilf Density Ratio %
1	B25-17126A	24/01/2025	SP11	202.04	3.5	96.0
2	B25-17126B	24/01/2025	SP10	201.71	0.5	97.0
3	B25-17126C	24/01/2025	SP09	201.16	0.0	96.5
4	B25-17126D	24/01/2025	SP08	201.11	-0.5	99.0
5	B25-17221A	7/02/2025	SP11	202.34	0.5	98.0
6	B25-17221B	7/02/2025	SP10	202.01	1.5	102.0
7	B25-17221C	7/02/2025	SP9	201.46	0.5	101.0
8	B25-17221D	7/02/2025	SP8	201.41	1.0	100.0
9	B25-17250A	13/02/2025	SP11	202.94	0.5	99.0
10	B25-17250B	13/02/2025	SP10	202.61	1.5	96.0
11	B25-17250C	13/02/2025	SP9	202.06	2.0	97.0
12	B25-17250D	13/02/2025	SP8	202.01	0.5	101.0
13	B25-17348A	25/02/2025	SP11	203.24	1.5	95.5
14	B25-17348B	25/02/2025	SP10	202.91	2.0	93.0

Project No.	Sample No.	Test Date	Location	Reduced Level (mm)	Moisture Variation %O.M.C	Hilf Density Ratio %
15	B25-17348C	25/02/2025	SP09	202.36	1.0	95.0
16 (RT14)	B25-17487A	14/03/2025	SP10	202.91	2.0	97.5
17	B25-18090A	12/06/2025	Lot 3220	FSL	1.0	93.5
18 (RT17)	B25-18098A	13/06/2025	Lot 3220	FSL	0.0	92.5
19	B25-18098B	13/06/2025	Lot 3219	-300	0.0	99.5
20	B25-18146A	20/06/2025	Lot 3219	FSL	0.0	99.5
21 (RT18)	B25-18146B	20/06/2025	Lot 3220	FSL	0.0	101.0
22	B25-18225A	3/07/2025	Lot 3217	-300	2.0	101.0
23	B25-18225B	3/07/2025	Lot 3218	FSL	0.5	99.0
24	B25-18234A	4/07/2025	Lot 3217	FSL	2.5	101.5
25	B25-18295A	16/07/2025	Lot 3216	-600	0.0	100.0
26	B25-18337A	24/07/2025	Lot 3216	-300	0.5	99.5
27	B25-18352A	29/07/2025	Lot 3215	FSL	0.0	101.5
28	B25-18352B	29/07/2025	Lot 3216	FSL	0.5	97.5
29	B25-18352C	29/07/2025	Lot 3213	-300	0.0	98.5
30	B25-18361A	30/07/2025	Lot 3213	FSL	1.0	98.5
31	B25-18374A	1/08/2025	Lot 3211	FSL	1.0	98.5

Note: +ve moisture values are dry of optimum, -ve are wet of optimum

5 STATEMENT OF COMPLIANCE

GTS personnel have provided Level 1 inspection and testing services during the placement of material for the filling of Lots 3209 to 3211, 3213 and 3215 to 3220. 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.



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APPENDIX



Fig 1: Site Plan

Material Test Report

Report Number: P17236-130
Issue Number: 1
Date Issued: 28/01/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 32
Work Request: 17126
Date Sampled: 24/01/2025
Dates Tested: 24/01/2025 - 28/01/2025
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:

Email: tylerw@gts.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Tyler Webb

Laboratory Technician

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1				
Sample Number	B25-17126A	B25-17126B	B25-17126C	B25-17126D
Date Tested	24/01/2025	24/01/2025	24/01/2025	24/01/2025
Time Tested	12:18	12:23	12:28	12:32
Test Request #/Location	Dam Backfill House Blocks	Dam Backfill House Blocks	Dam Backfill House Blocks	Dam Backfill House Blocks
Chainage (m)	SP-11	SP-10	SP-09	SP-08
Location Offset (m)	Middle Back	Middle Back	Middle Back	Middle Back
Layer / Reduced Level	202.040	201.710	201.160	201.110
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 (%)	8	3	3	2
Field Wet Density (FWD) t/m ³	2.04	2.08	2.08	2.11
Field Dry Density (FDD) t/m ³	**	**	**	**
Peak Converted Wet Density t/m ³	**	**	**	**
Adjusted Peak Converted Wet Density t/m ³	2.13	2.14	2.15	2.13
Moisture Variation (Wv) %	**	**	**	**
Adjusted Moisture Variation %	3.5	0.5	0.0	-0.5
Hilf Density Ratio (%)	96.0	97.0	96.5	99.0
Compaction Method	Standard	Standard	Standard	Standard
Remarks	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report



Report Number: P17236-131
Issue Number: 1
Date Issued: 08/02/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 32
Work Request: 17221
Date Sampled: 07/02/2025
Dates Tested: 07/02/2025 - 07/02/2025
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	B25-17221A	B25-17221B	B25-17221C	B25-17221D
Date Tested	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Tested	12:10	12:15	12:26	12:31
Test Request #/Location	Dam Backfill House Blocks	Dam Backfill House Blocks	Dam Backfill House Blocks	Dam Backfill House Blocks
Chainage (m)	SP-11	SP-10	SP-09	SP-08
Location Offset (m)	Centre Back	Centre Back	Centre Back	Centre Back
Layer / Reduced Level	202.340	202.010	201.460	201.410
Thickness of Layer (mm)	300	300	300	300
Soil Description	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly Clay	Silty Gravelly 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	2	**
Field Wet Density (FWD) t/m ³	2.06	2.12	2.12	2.08
Field Dry Density (FDD) t/m ³	**	**	**	**
Peak Converted Wet Density t/m ³	2.10	2.08	**	2.08
Adjusted Peak Converted Wet Density t/m ³	**	**	2.10	**
Moisture Variation (Wv) %	0.5	1.5	**	1.0
Adjusted Moisture Variation %	**	**	0.5	**
Hilf Density Ratio (%)	98.0	102.0	101.0	100.0
Compaction Method	Standard	Standard	Standard	Standard
Remarks	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-132
Issue Number: 1
Date Issued: 13/02/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 31 - Strathfieldsaye
Work Request: 17250
Date Sampled: 13/02/2025
Dates Tested: 13/02/2025 - 13/02/2025
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: Tyler Webb

Snr. Field Technician

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1				
Sample Number	B25-17250A	B25-17250B	B25-17250C	B25-17250D
Date Tested	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Tested	08:13	08:19	08:24	08:28
Test Request #/Location	Existing Dam Backfill SP11	Existing Dam Backfill SP10	Existing Dam Backfill SP9	Existing Dam Backfill SP8
Chainage (m)	Centre	Centre	Centre	Centre
Location Offset (m)	Rear	Rear	Rear	Rear
Layer / Reduced Level	202.94	202.61	202.06	202.01
Thickness of Layer (mm)	300	300	300	300
Soil Description	Silty Sandy Clay	Silty Sandy Clay	Silty Sandy Clay	Silty Sandy 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	2
Field Wet Density (FWD) t/m ³	2.12	2.00	2.02	2.16
Field Dry Density (FDD) t/m ³	**	**	**	**
Peak Converted Wet Density t/m ³	2.14	2.08	2.08	**
Adjusted Peak Converted Wet Density t/m ³	**	**	**	2.14
Moisture Variation (Wv) %	0.5	1.5	2.0	**
Adjusted Moisture Variation %	**	**	**	0.5
Hilf Density Ratio (%)	99.0	96.0	97.0	101.0
Compaction Method	Standard	Standard	Standard	Standard
Remarks	**	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-133
Issue Number: 1
Date Issued: 26/02/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Strathfieldsaye
Work Request: 17348
Date Sampled: 25/02/2025
Dates Tested: 25/02/2025 - 26/02/2025
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: Tyler Webb

Snr. Field Technician

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B25-17348A	B25-17348B	B25-17348C
Date Tested	25/02/2025	25/02/2025	25/02/2025
Time Tested	15:09	15:13	15:16
Test Request #/Location	Existing Dam Backfill SP11	Existing Dam Backfill SP10	Existing Dam Backfill SP09
Chainage (m)	Centre	Centre	Centre
Location Offset (m)	Rear	Rear	Rear
Layer / Reduced Level	203.240	202.910	202.360
Thickness of Layer (mm)	300	300	300
Soil Description	Silty Sandy Clay	Silty Sandy Clay	Silty Sandy Clay
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m ³	2.04	1.94	2.04
Field Dry Density (FDD) t/m ³	**	**	**
Peak Converted Wet Density t/m ³	2.14	2.09	2.15
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Variation (Wv) %	1.5	2.0	1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	95.5	93.0	95.0
Compaction Method	Standard	Standard	Standard
Remarks	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-135
Issue Number: 1
Date Issued: 14/03/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 31
Work Request: 17487
Date Sampled: 14/03/2025
Dates Tested: 14/03/2025 - 14/03/2025
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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CMT Manager

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B25-17487A		
Date Tested	14/03/2025		
Time Tested	08:05		
Test Request #/Location	Dam Backfill Retest B25-17348B SP-10		
Chainage (m)	Centre		
Location Offset (m)	Back		
Layer / Reduced Level	202.910		
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 (%)	0		
Field Wet Density (FWD) t/m ³	2.08		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	2.13		
Adjusted Peak Converted Wet Density t/m ³	**		
Moisture Variation (Wv) %	2.0		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	97.5		
Compaction Method	Standard		
Remarks	**		

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-141
Issue Number: 1
Date Issued: 12/06/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 32 - Strathfieldsaye
Work Request: 18090
Date Sampled: 12/06/2025
Dates Tested: 12/06/2025 - 12/06/2025
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: Tyler Webb

Snr. Field Technician

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B25-18090A		
Date Tested	12/06/2025		
Time Tested	11:07		
Test Request #/Location	Stage 32 House Blocks		
Chainage (m)	Lot 3220		
Location Offset (m)	Rear - Centre		
Layer / Reduced Level	FSL		
Thickness of Layer (mm)	300		
Soil Description	Silty Gravelly Clay		
Test Depth (mm)	275		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m ³	2.00		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	2.14		
Adjusted Peak Converted Wet Density t/m ³	**		
Moisture Variation (Wv) %	1.0		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	93.5		
Compaction Method	Standard		
Remarks	**		

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-142
Issue Number: 1
Date Issued: 16/06/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Strathfieldsaye
Work Request: 18098
Date Sampled: 13/06/2025
Dates Tested: 13/06/2025 - 16/06/2025
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: Coban Lenten
Gtss-coban

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B25-18098A	B25-18098B	
Date Tested	13/06/2025	13/06/2025	
Time Tested	13:17	13:21	
Test Request #/Location	B25-18090A Retest Stage 32A - House Blocks	Stage 32A House Blocks	
Chainage (m)	Lot 3220	Lot 3219	
Location Offset (m)	Rear Centre	Rear Centre	
Layer / Reduced Level	FSL	-300	
Thickness of Layer (mm)	300	300	
Soil Description	Silty Gravelly Clay	Silty Gravelly 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	2.04	2.15	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	2.21	2.16	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	0.0	0.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	92.5	99.5	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-143
Issue Number: 1
Date Issued: 23/06/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 32A
Work Request: 18146
Date Sampled: 20/06/2025
Dates Tested: 20/06/2025 - 23/06/2025
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	B25-18146A	B25-18146B	
Date Tested	20/06/2025	20/06/2025	
Time Tested	13:55	14:01	
Test Request #/Location	House Block Lot 3219	House Block Lot 3220	
Chainage (m)	Centre	Centre	
Location Offset (m)	Back	Back	
Layer / Reduced Level	FSL	FSL	
Thickness of Layer (mm)	300	250	
Soil Description	Silty Sandy Clay	Silty Sandy Clay	
Test Depth (mm)	275	225	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Field Wet Density (FWD) t/m ³	2.18	2.14	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	2.20	2.11	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	0.0	0.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	99.5	101.0	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-144
Issue Number: 1
Date Issued: 04/07/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Strathfieldsaye - Stage 32B
Work Request: 18225
Date Sampled: 03/07/2025
Dates Tested: 03/07/2025 - 04/07/2025
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
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Phone:

Email: tylerw@gts.com.au

Accredited for compliance with ISO/IEC 17025 - Testing



Approved Signatory: Tyler Webb

Snr. Field Technician

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B25-18225A	B25-18225B	
Date Tested	03/07/2025	03/07/2025	
Time Tested	09:42	09:46	
Test Request #/Location	Stage 32B House Blocks	Stage 32B House Blocks	
Chainage (m)	Lot 3217	Lot 3218	
Location Offset (m)	Rear Centre	Rear Centre	
Layer / Reduced Level	-300	FSL	
Thickness of Layer (mm)	300	300	
Soil Description	Silty Clay	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	2.13	
Field Dry Density (FDD) t/m ³	**	**	
Peak Converted Wet Density t/m ³	2.10	2.15	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	2.0	0.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	101.0	99.0	
Compaction Method	Standard	Standard	
Remarks	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-145
Issue Number: 1
Date Issued: 08/07/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Strathfieldsaye - Stage 32B
Work Request: 18234
Date Sampled: 04/07/2025
Dates Tested: 04/07/2025 - 07/07/2025
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	B25-18234A		
Date Tested	04/07/2025		
Time Tested	15:18		
Test Request #/Location	Stage 32B House Block		
Chainage (m)	Lot 3217		
Location Offset (m)	Rear Centre		
Layer / Reduced Level	FSL		
Thickness of Layer (mm)	300		
Soil Description	Silty Gravelly Clay		
Test Depth (mm)	275		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m ³	2.02		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	1.99		
Adjusted Peak Converted Wet Density t/m ³	**		
Moisture Variation (Wv) %	2.5		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	101.5		
Compaction Method	Standard		
Remarks	**		

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-146
Issue Number: 1
Date Issued: 17/07/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Strathfeldsaye
Work Request: 18295
Date Sampled: 16/07/2025
Dates Tested: 16/07/2025 - 16/07/2025
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	B25-18295A		
Date Tested	16/07/2025		
Time Tested	09:45		
Test Request #/Location	Stage 32B Lot 3216		
Chainage (m)	Centre		
Location Offset (m)	Rear		
Layer / Reduced Level	-600		
Thickness of Layer (mm)	300		
Soil Description	Sandy Gravelly Clay		
Test Depth (mm)	275		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	**		
Field Wet Density (FWD) t/m ³	2.13		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	2.13		
Adjusted Peak Converted Wet Density t/m ³	**		
Moisture Variation (Wv) %	0.0		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	100.0		
Compaction Method	Standard		
Remarks	**		

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-147
Issue Number: 1
Date Issued: 24/07/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Strathfieldsaye
Work Request: 18337
Date Sampled: 24/07/2025
Dates Tested: 24/07/2025 - 24/07/2025
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	B25-18337A		
Date Tested	24/07/2025		
Time Tested	10:52		
Test Request #/Location	Lot 3216		
Chainage (m)	Centre		
Location Offset (m)	Rear		
Layer / Reduced Level	-300		
Thickness of Layer (mm)	300		
Soil Description	Sandy Clay		
Test Depth (mm)	275		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m ³	2.04		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	2.04		
Adjusted Peak Converted Wet Density t/m ³	**		
Moisture Variation (Wv) %	0.5		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	99.5		
Compaction Method	Standard		
Remarks	**		

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-148
Issue Number: 1
Date Issued: 29/07/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Imagine Estate
Work Request: 18352
Date Sampled: 29/07/2025
Dates Tested: 29/07/2025 - 29/07/2025
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: Tyler Webb

Snr. Field Technician

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B25-18352A	B25-18352B	B25-18352C
Date Tested	29/07/2025	29/07/2025	29/07/2025
Time Tested	07:42	07:47	07:55
Test Request #/Location	Stage 32B House Blocks	Stage 32B House Blocks	Stage 32B House Blocks
Chainage (m)	Lot 3215	Lot 3216	Lot 3213
Location Offset (m)	Centre Rear	Centre	Centre Rear
Layer / Reduced Level	FSL	FSL	-300
Thickness of Layer (mm)	300	300	300
Soil Description	Silty Sandy Clay	Silty Sandy Clay	Silty Sandy Clay
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m ³	2.12	2.07	2.09
Field Dry Density (FDD) t/m ³	**	**	**
Peak Converted Wet Density t/m ³	2.09	2.12	2.12
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Moisture Variation (Wv) %	0.0	0.5	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	101.5	97.5	98.5
Compaction Method	Standard	Standard	Standard
Remarks	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-149
Issue Number: 1
Date Issued: 30/07/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 32B - Strathfieldsaye
Work Request: 18361
Date Sampled: 30/07/2025
Dates Tested: 30/07/2025 - 30/07/2025
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: Tyler Webb

Snr. Field Technician

NATA Accredited Laboratory Number: 19506

Compaction Control AS 1289 5.7.1 & 5.8.1			
Sample Number	B25-18361A		
Date Tested	30/07/2025		
Time Tested	08:09		
Test Request #/Location	Stage 32B House Block		
Chainage (m)	Lot 3213		
Location Offset (m)	Centre		
Layer / Reduced Level	FSL		
Thickness of Layer (mm)	300		
Soil Description	Silty Gravelly Clay		
Test Depth (mm)	275		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m ³	2.08		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	2.11		
Adjusted Peak Converted Wet Density t/m ³	**		
Moisture Variation (Wv) %	1.0		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	98.5		
Compaction Method	Standard		
Remarks	**		

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Material Test Report

Report Number: P17236-150
Issue Number: 1
Date Issued: 04/08/2025
Client: DPJ Civil Pty Ltd
24 Jewell Court, Bendigo VIC 3550
Project Number: P17236
Project Name: Imagine Estate
Project Location: Stage 32B
Work Request: 18374
Date Sampled: 01/08/2025
Dates Tested: 01/08/2025 - 04/08/2025
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	B25-18374A		
Date Tested	01/08/2025		
Time Tested	14:00		
Test Request #/Location	House Blocks Lot 3211		
Chainage (m)	Centre		
Location Offset (m)	**		
Layer / Reduced Level	FSL		
Thickness of Layer (mm)	300		
Soil Description	Sandy Silty Clay		
Test Depth (mm)	275		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) t/m ³	2.13		
Field Dry Density (FDD) t/m ³	**		
Peak Converted Wet Density t/m ³	2.16		
Adjusted Peak Converted Wet Density t/m ³	**		
Moisture Variation (Wv) %	1.0		
Adjusted Moisture Variation %	**		
Hilf Density Ratio (%)	98.5		
Compaction Method	Standard		
Remarks	**		

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC