

Banyan Place Stage 10

GITA Inspection Verification Report

Prepared For:	Lojac Civil Pty Ltd
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Report Number	P242083A V1
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Version Release Date	22 May 2026
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Report Released By	C Caulfield
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Title	Laboratory Manager
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Signature



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1 Introduction

Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical Inspection and Testing Authority (GITA) to provide Level 1 supervision and testing works on the earthworks component for Banyan Place Stage 10. This work was conducted over the period of 06/12/2024 to 17/04/2025.

This report presents that the allotment earthworks was carried out in accordance with AS3798-2007 *Guidelines for Earthworks for Commercial and Residential Development* and in compliance with the compaction control specifications established by the contractor.

2 Scope of Work

2.1 Area of Work

The areas of work included lots 1001 to 1051, bounded by streets Tussock Way, Daybreak Street, Prairie Road and Bristly Way. The site will be a Residential development.

The area on which fill was placed is shown on site plan (Appendix 1: *Test Location Plan*) based on drawings prepared by Charlton Degg (Drawing Reference: 1470-10/R04) and provided by Lojac Civil Pty Ltd.

The supervision work by the GITA involved both inspection of sub grade preparation work and full time inspection and testing of fill placement.

2.2 Specification

The technical specification (Reference from Drawings) for compaction control requirements was provided by Lojac Civil Pty Ltd and established that:

Test Rolling is required for all layers of structural fill and materials within 150mm of permanent subgrade level so as to withstand test rolling without visible deformation or springing. Corrective action is required where unstable areas exceed 20% of the area being considered by test rolling.

Section 5.2 of AS3798-2007 (Section 5.2) establishes a specification requirement for a minimum density ratio of not less than 95% noting that soils containing more than 20% of particles coarser than 37.5mm cannot be tested for relative compaction using the procedures of AS1289 5.1.1 and AS1289 5.2.1.

In accordance with Table 8.1 (AS3798), for large scale operations, (greater than 1500m²), the minimum testing frequency is 1 test per layer per material type per 2500m² or 1 test per 500m³ distributed reasonable evenly throughout full depth and area or 3 tests per lot. AS3798 defines a lot as “an area of work that is essentially homogenous in relation to material type and moisture condition, rolling response and compaction technique, and which has been used for the assessment of the relative compaction of an area of work”. All three of these test frequencies must be achieved and this is typically confirmed to have been achieved when 3 tests per visit (day) have been completed.

2.3 Limitations

Terra Firma Laboratories cannot verify any works completed by others outside of the time period specified in the introduction. Uncontrolled works may include, but are not limited to trenching for services, cut and fill works for slab preparation or subsequent removal of vegetation and back fill of holes unless specified in section 2.1 of this report.

Terra Firma Laboratories cannot verify that the material used as a filling medium is free from chemical or other contamination. The scope and the period of Terra Firma Laboratories as described in the introduction are subject to restrictions and limitations. Terra Firma Laboratories did not perform a complete assessment of all possible conditions and circumstances that may exist at the site. If a service is not expressly indicated, do not assume it has been provided. If a matter is not addressed, do not assume that any determination has been made by Terra Firma Laboratories.

Verification of finished surface level to design levels is outside of the scope of the GITA report.

Any drawings or marked locations presented in this report should be considered only as pictorial evidence of our work. Therefore, unless otherwise stated, any dimensions should not be used for accurate calculations or dimensioning.

Where data has been supplied by the client or a third party, it is assumed that the information is correct unless otherwise stated. No responsibility is accepted by Terra Firma Laboratories for incomplete or inaccurate data supplied by others.

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3 Construction Method

3.1 Subgrade Preparation

At the time of subgrade inspection the following was observed:

- Subgrade preparation involved stripping the site of topsoil, vegetation and organic matter to a depth of approximately 200mm below existing levels.
- The site was cleared of all trees and stumps to the extent necessary for the fill placement to proceed
- The roots of all trees and any debris was removed from site prior to any fill placement

The sub-grade area was then proof-rolled to confirm it was capable of withstanding test rolling without visible deformation or springing and any areas observed to be soft or otherwise unsuitable were rectified. The sub-grade was watered and scarified prior to fill placement to aid layer bonding.

3.2 Fill Placement

The contractor was observed to have suitable construction equipment and plant available on-site during the construction period for use in the fill placement.

All fill was placed in layers of thicknesses not exceeding 300mm. At the completion of a placed layer, compaction testing was performed to confirm appropriate compaction had been achieved and supported the observations made. It should be noted that the compaction tests are representative samples of the fill placed and support the visual assessment of the works completed. Each house lot does not necessarily require a compaction test to have been conducted within the house allotment but may have been verified by testing conducted within up to a 2500m² area of the house lot.

Final fill placement levels were verified against design level by others. For the purposes of this report, it was observed that finished levels were in accordance with levels marked on site by survey markers.

The final 200mm of fill placed across the site was placed as a topsoil layer or growing medium and should be considered as non-structural, as it was placed in an uncontrolled manner, as allowed by specifications and placement of the final 200mm of fill was not observed by the GITA.

4 Construction Verification

Compaction Verification testing is summarized in a detailed test register with test certificates attached provided in Appendix 2: *Compaction Test Register and Test Certificates*. A test location

plan (P242083D1, Appendix 1) providing a schematic of test locations across the extent of scope of works for every placed layer of fill is also documented.

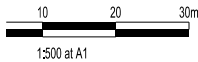
A total of 81 density tests (Hilf method in accordance with 1289 5.7.1) were undertaken with 7 failed results. The contractor was notified of any failed tests and the failed areas were ripped, watered, compacted and then re-tested to confirm compliance with the specification. The results summarised in the compaction test register (Appendix 2) confirm that for every layer of fill placed in a specific work area, satisfactory testing was completed.

5 Statement of Compliance

The intention of this report is to provide a description of the earthworks construction for Stage 10 at Banyan Place. For completed fill areas of greater than 200mm, and for works completed between 06/12/2024 and 17/04/2025, earthworks construction activities were conducted under the full time supervision of the Geotechnical Inspection and Testing Authority. Inspections and testing of the fill areas at this site indicate that both sub grade preparation and fill placement have been conducted in accordance with the specification. The earthworks construction for Stage 10 of Banyan Place was observed to be constructed in compliance with the requirements of the Technical Specification.

Appendix 1: Test Location Plan

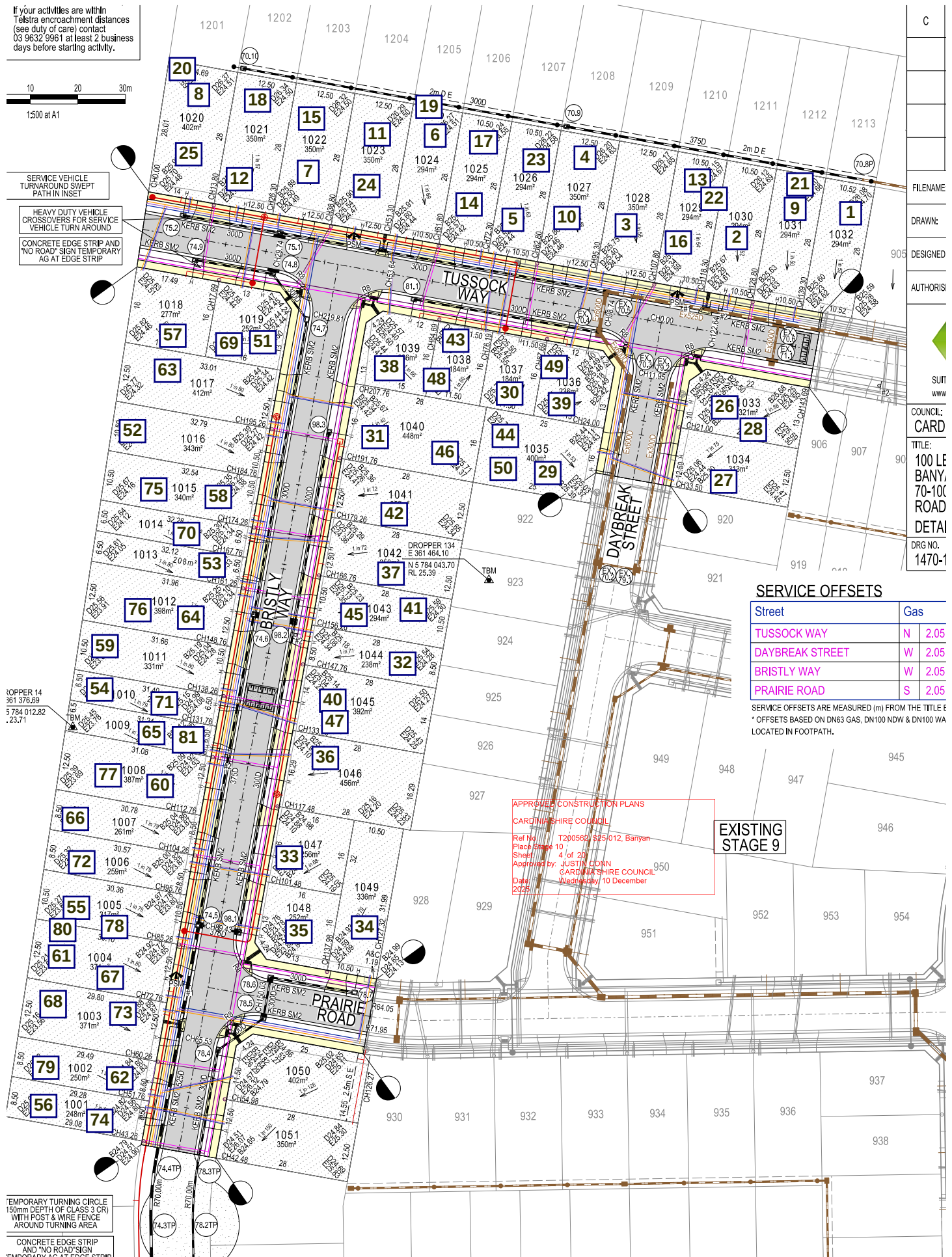
If your activities are within Telstra encroachment distances (see duty of care) contact 03 9632 9961 at least 2 business days before starting activity.



- SERVICE VEHICLE TURN AROUND SWEEP TURN IN INSET
- HEAVY DUTY VEHICLE CROSSOVERS FOR SERVICE VEHICLE TURN AROUND
- CONCRETE EDGE STRIP AND "NO ROAD" SIGN TEMPORARY AG AT EDGE STRIP

TOPPER 14
361 376.89
5784 012.82
.23.71

- TEMPORARY TURNING CIRCLE 150mm DEPTH OF CLASS 3 CR WITH POST & WIRE FENCE AROUND TURNING AREA
- CONCRETE EDGE STRIP AND "NO ROAD" SIGN TEMPORARY AG AT EDGE STRIP



SERVICE OFFSETS

Street	Gas
TUSOCK WAY	N 2.05
DAYBREAK STREET	W 2.05
BRISTLY WAY	W 2.05
PRAIRIE ROAD	S 2.05

SERVICE OFFSETS ARE MEASURED (m) FROM THE TITLE E
* OFFSETS BASED ON DN63 GAS, DN100 NDW & DN100 WA LOCATED IN FOOTPATH.

APPROVED CONSTRUCTION PLANS
CARDWILL SHIRE COUNCIL

Ref No: T200562, S25-012, Banyan
Place Stage 10
Sheet: 4 of 20
Approved by: JUSTIN DOWN
CARDWILL SHIRE COUNCIL
Date: 2025
Wednesday 10 December

EXISTING
STAGE 9



Our Head Office
47 National Ave
Pakenham, VIC 3860

Our Laboratories
Pakenham 03 9769 5799
Deer Park 03 8348 5596
Bibra Lake 08 9395 7220

Test Location Plan

not to scale

Client: Lojac Civil Pty Ltd

Project: Banyan Place Stage 10

Reference: P242083 D1

TERRAFIRMA.COM.AU
Test Location Plan 02/24

C
FILENAME
DRAWN:
DESIGNED
AUTHORISED
SUIT
WWW
COUNCIL: CARD
TITLE: 100 LE BANYAN, 70-100 ROAD DETAIL
DRG NO. 1470-1

Appendix 2: Compaction Test Register and Test Certificates



Compaction Test Register

Client: Lojac Civil Pty Ltd
Project: Banyan Place Stage 10

Project No: P242083
Specification: 95%

Date:	Test No:	Layer:	Retest of:	Density:	Pass/Fail:	Lot No:	Report No:
6/12/2024	1	Layer 1		100.5	Pass	Lot 1032	P242083-1
6/12/2024	2	Layer 1		102	Pass	Lot 1030	P242083-1
6/12/2024	3	Layer 1		102	Pass	Lot 1028	P242083-1
6/12/2024	4	Layer 1		98	Pass	Lot 1027	P242083-1
6/12/2024	5	Layer 1		98.5	Pass	Lot 1026	P242083-1
6/12/2024	6	Layer 1		93	Fail	Lot 1024	P242083-2
6/12/2024	7	Layer 1		97.5	Pass	Lot 1022	P242083-2
6/12/2024	8	Layer 1		92.5	Fail	Lot 1020	P242083-2
11/12/2024	9	Layer 2		90	Fail	Lot 1031	P242083-3
11/12/2024	10	Layer 2		101.5	Pass	Lot 1027	P242083-3
11/12/2024	11	Layer 2		97	Pass	Lot 1023	P242083-3
12/12/2024	12	Layer 3		95	Pass	Lot 1021	P242083-4
12/12/2024	13	Layer 3		98.5	Pass	Lot 1029	P242083-4
12/12/2024	14	Layer 3		95.5	Pass	Lot 1025	P242083-4
14/01/2025	15	Layer 4		99	Pass	Lot 1022	P242083-5
14/01/2025	16	Layer 4		96	Pass	Lot 1027	P242083-5
14/01/2025	17	Layer 4		94.5	Fail	Lot 1025	P242083-5
20/01/2025	18	Layer 5		102	Pass	Lot 1021	P242083-6
20/01/2025	19	Layer 1	Test #6	98	Pass	Lot 1024	P242083-6
20/01/2025	20	Layer 1	Test #8	98.5	Pass	Lot 1020	P242083-6
20/01/2025	21	Layer 2	Test #9	102	Pass	Lot 1031	P242083-6
22/01/2025	22	Layer 4	Test #17	100.5	Pass	Lot 1025	P242083-7
22/01/2025	23	Layer 5		102.5	Pass	Lot 1026	P242083-7
22/01/2025	24	Layer 6		99	Pass	Lot 1023	P242083-7
22/01/2025	25	Layer 6		101.5	Pass	Lot 1020	P242083-7
22/01/2025	26	Layer 1		103.5	Pass	Lot 1033	P242083-7
22/01/2025	27	Layer 2		101.5	Pass	Lot 1034	P242083-7
23/01/2025	28	Layer 3		96.5	Pass	Lot 1033	P242083-8
23/01/2025	29	Layer 1		97.5	Pass	Lot 1035	P242083-8
23/01/2025	30	Layer 1		98.5	Pass	Lot 1037	P242083-8
4/02/2025	31	Layer 1		105	Pass	Lot 1040	P242083-9
4/02/2025	32	Layer 1		104.5	Pass	Lot 1044	P242083-9
4/02/2025	33	Layer 1		101	Pass	Lot 1047	P242083-9
4/02/2025	34	Layer 1		100	Pass	Lot 1049	P242083-9
4/02/2025	35	Layer 2		100	Pass	Lot 1048	P242083-9
5/02/2025	36	Layer 2		98	Pass	Lot 1046	P242083-10
5/02/2025	37	Layer 2		105.5	Pass	Lot 1042	P242083-10
5/02/2025	38	Layer 2		104	Pass	Lot 1036	P242083-10
10/02/2025	40	Layer 3		93	Fail	Lot 1045	P242083-12
10/02/2025	41	Layer 3		101	Pass	Lot 1043	P242083-12
10/02/2025	42	Layer 3		104	Pass	Lot 1041	P242083-12



Compaction Test Register

Client: Lojac Civil Pty Ltd
Project: Banyan Place Stage 10

Project No: P242083
Specification: 95%

Date:	Test No:	Layer:	Retest of:	Density:	Pass/Fail:	Lot No:	Report No:
10/02/2025	43	Layer 3		101	Pass	Lot 1038	P242083-12
10/02/2025	44	Layer 3		103	Pass	Lot 1035	P242083-11
10/02/2025	45	Final layer		102.5	Pass	Lot 1043	P242083-11
10/02/2025	46	Final layer		103	Pass	Lot 1040	P242083-11
12/02/2025	47	Layer 3	Test #40	103	Pass	Lot 1045	P242083-13
12/02/2025	48	Final layer		98.5	Pass	Lot 1038	P242083-13
12/02/2025	49	Final layer		102.5	Pass	Lot 1036	P242083-13
12/02/2025	50	Final layer		109	Pass	Lot 1035	P242083-13
12/02/2025	51	Layer 1		105	Pass	Lot 1019	P242083-13
18/02/2025	52	Layer 1		100.5	Pass	Lot 1016	P242083-14
18/02/2025	53	Layer 1		101.5	Pass	Lot 1013	P242083-14
18/02/2025	54	Layer 1		99.5	Pass	Lot 1010	P242083-14
18/02/2025	55	Layer 1		96.5	Pass	Lot 1005	P242083-14
18/02/2025	56	Layer 1		100	Pass	Lot 1001	P242083-14
21/02/2025	57	Layer 2		100.5	Pass	Lot 1018	P242083-15
21/02/2025	58	Layer 2		97	Pass	Lot 1015	P242083-15
28/02/2025	59	Layer 2		101	Pass	Lot 1008	P242083-16
28/02/2025	60	Layer 2		99	Pass	Lot 1004	P242083-16
28/02/2025	61	Layer 2		93.5	Fail	Lot 1002	P242083-16
5/03/2025	62	Layer 2		99	Pass	Lot 1017	P242083-17
5/03/2025	63	Layer 3		101.5	Pass	Lot 1012	P242083-17
5/03/2025	64	Layer 3		100.5	Pass	Lot 1009	P242083-17
26/03/2025	65	Layer 3		94	Fail	Lot 1007	P242083-18
26/03/2025	66	Layer 3		101.5	Pass	Lot 1004	P242083-18
26/03/2025	67	Layer 3		99.5	Pass	Lot 1003	P242083-18
26/03/2025	68	Layer 3		100.5	Pass	Lot 1019	P242083-18
26/03/2025	69	Layer 4		101	Pass	Lot 1014	P242083-18
26/03/2025	70	Layer 4		106	Pass	Lot 1010	P242083-18
31/03/2025	71	Layer 4		99.5	Pass	Lot 1006	P242083-19
31/03/2025	72	Layer 4		100	Pass	Lot 1003	P242083-19
4/04/2025	73	Layer 4		98	Pass	Lot 1001	P242083-20
4/04/2025	74	Layer 4		99.5	Pass	Lot 1015	P242083-20
17/04/2025	75	FSL		102	Pass	Lot 1012	P242083-21
17/04/2025	76	FSL		99.5	Pass	Lot 1008	P242083-21
17/04/2025	77	FSL		96	Pass	Lot 1005	P242083-21
17/04/2025	78	FSL		96	Pass	Lot 1002	P242083-21
17/04/2025	79	FSL		95.5	Pass	Lot 1011	P242083-21
17/04/2025	80	Layer 2	Test #61	95	Pass	Lot 1002	P242083-21
17/04/2025	81	Layer 3	Test #65	99.5	Pass	Lot 1007	P242083-21

Material Test Report

Report Number: P242083-1
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16687
Date Sampled: 06/12/2024
Dates Tested: 06/12/2024 - 09/12/2024
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Stage 10
Material: Clay



Pakenham Laboratory
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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Chris Caulfield
Laboratory Manager
Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	P24-16687A	P24-16687B	P24-16687C	P24-16687D	P24-16687E
Test Number	1	2	3	4	5
Date Tested	06/12/2024	06/12/2024	06/12/2024	06/12/2024	06/12/2024
Time Tested	**	**	**	**	**
Test Request #/Location	Lot 1032	Lot 1030	Lot 1028	Lot 1027	Lot 1026
Layer / Reduced Level	Layer 1	Layer 1	Layer 1	Layer 1	Layer 1
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	CLAY	CLAY	CLAY	CLAY	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	0	0	0	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**	**	**
Field Wet Density (FWD) t/m ³	1.86	2.12	1.95	1.95	1.96
Field Moisture Content %	18.4	11.1	15.9	18.7	20.5
Field Dry Density (FDD) t/m ³	1.57	1.90	1.69	1.64	1.62
Peak Converted Wet Density t/m ³	1.85	2.07	1.92	1.99	1.99
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	18.4	11.1	15.9	18.7	20.5
Moisture Ratio % (AS1289.5.4.1)	86.5	73.5	86.0	97.5	98.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	3.0	4.0	2.5	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	100.5	102.0	102.0	98.0	98.5
Compaction Method	Standard	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: P242083-2
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16692
Date Sampled: 06/12/2024
Dates Tested: 06/12/2024 - 09/12/2024
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Stage 10 - Level One
Material: Clay



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Phone: (03) 9769 5799
Email: ccaulfield@terrafirmalabs.com.au



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Approved Signatory: Chris Caulfield
Laboratory Manager
Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P24-16692A	P24-16692B	P24-16692C
Test Number	6	7	8
Date Tested	06/12/2024	06/12/2024	06/12/2024
Time Tested	**	**	**
Test Request #/Location	Lot 1022	Lot 1020	Lot 1020
Layer / Reduced Level	Layer 1	Layer 1	Layer 1
Thickness of Layer (mm)	300	300	300
Soil Description	Clay	Clay	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.92	1.91	1.87
Field Moisture Content %	17.3	17.5	16.9
Field Dry Density (FDD) t/m ³	1.64	1.62	1.60
Peak Converted Wet Density t/m ³	2.07	1.95	2.02
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	17.3	17.5	16.9
Moisture Ratio % (AS1289.5.4.1)	99.5	87.0	114.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.0	2.5	-2.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	93.0	97.5	92.5
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: P242083-3
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16725
Date Sampled: 11/12/2024
Dates Tested: 11/12/2024 - 13/12/2024
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Stage 10 - Level One
Material: Clay



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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Chris Caulfield
Laboratory Manager
Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P24-16725A	P24-16725B	P24-16725C
Test Number	9	10	11
Date Tested	11/12/2024	11/12/2024	11/12/2024
Time Tested	**	**	**
Test Request #/Location	Lot 1031	Lot 1027	Lot 1023
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY	CLAY	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.74	1.96	1.97
Field Moisture Content %	20.5	17.9	16.6
Field Dry Density (FDD) t/m ³	1.44	1.66	1.69
Peak Converted Wet Density t/m ³	1.93	1.93	2.03
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	20.5	17.9	16.6
Moisture Ratio % (AS1289.5.4.1)	93.5	88.5	90.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	1.5	2.5	1.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	90.0	101.5	97.0
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: P242083-4
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16737
Date Sampled: 12/12/2024
Dates Tested: 12/12/2024 - 16/12/2024
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Stage 10
Material: Silty Clay
Material Source: Imported



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Approved Signatory: Chris Caulfield
Laboratory Manager
Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P24-16737A	P24-16737B	P24-16737C
Test Number	12	13	14
Date Tested	12/12/2024	12/12/2024	12/12/2024
Time Tested	11:42	11:50	12:00
Test Request #/Location	Lot 1021	Lot 1029	Lot 1025
Layer / Reduced Level	Layer 3	Layer 3	Layer 3
Thickness of Layer (mm)	300	300	300
Soil Description	Silty Clay	Silty Clay	Silty 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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	0
Field Wet Density (FWD) t/m ³	1.92	2.05	1.93
Field Moisture Content %	13.8	9.7	14.5
Field Dry Density (FDD) t/m ³	1.69	1.87	1.68
Peak Converted Wet Density t/m ³	2.02	2.08	2.02
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	15.2	11.0	16.0
Adj. Field Moisture Content % (AS1289.5.4.1)	13.8	9.7	14.5
Moisture Ratio % (AS1289.5.4.1)	90.5	88.0	90.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	1.5	1.5	1.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	95.0	98.5	95.5
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: P242083-5
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16829
Date Sampled: 14/01/2025
Dates Tested: 14/01/2025 - 15/01/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Future stage 10- Banyan Place, Officer
Material: CLAY
Material Source: Onsite



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Approved Signatory: Chris Caulfield
 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-16829A	P25-16829B	P25-16829C
Test Number	15	16	17
Date Tested	14/01/2025	14/01/2025	14/01/2025
Time Tested	**	**	**
Test Request #/Location	Lot 1022	Lot 1027	Lot 1025
Layer / Reduced Level	Layer 4	Layer 4	Layer 4
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY	CLAY	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	2.03	2.05	1.99
Field Moisture Content %	17.5	15.8	14.6
Field Dry Density (FDD) t/m ³	1.73	1.77	1.74
Peak Converted Wet Density t/m ³	2.05	2.13	2.11
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	17.5	15.8	14.6
Moisture Ratio % (AS1289.5.4.1)	95.0	98.5	94.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	1.0	0.0	1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	99.0	96.0	94.5
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: P242083-6
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16873
Date Sampled: 20/01/2025
Dates Tested: 20/01/2025 - 21/01/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan place future stage 10- level one
Material: CLAY
Material Source: Imported



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 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	P25-16873A	P25-16873B	P25-16873C	P25-16873D
Test Number	18	19	20	21
Date Tested	20/01/2025	20/01/2025	20/01/2025	20/01/2025
Time Tested	**	**	**	**
Test Request #/Location	Lot 1021	Lot 1024 Retest #6	Lot 1020 Retest #8	Lot 1031 Retest #9
Layer / Reduced Level	Layer 5	Layer 1	Layer 1	Layer 2
Thickness of Layer (mm)	300	300	300	300
Soil Description	CLAY	CLAY	CLAY	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	0	**
Field Wet Density (FWD) t/m ³	2.05	1.91	1.92	1.93
Field Moisture Content %	13.8	20.0	17.2	16.1
Field Dry Density (FDD) t/m ³	1.80	1.59	1.64	1.66
Peak Converted Wet Density t/m ³	2.02	1.95	1.94	1.89
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	15.8	20.1	19.3	**
Adj. Field Moisture Content % (AS1289.5.4.1)	13.8	20.0	17.2	16.1
Moisture Ratio % (AS1289.5.4.1)	88.0	99.5	89.5	78.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	2.0	0.0	2.0	4.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	102.0	98.0	98.5	102.0
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: P242083-7
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16893
Date Sampled: 22/01/2025
Dates Tested: 22/01/2025 - 23/01/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan place future stage 10- level one
Material: CLAY
Material Source: Imported



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 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	P25-16893A	P25-16893B	P25-16893C	P25-16893D	P25-16893E	P25-16893F
Test Number	22	23	24	25	26	27
Date Tested	22/01/2025	22/01/2025	22/01/2025	22/01/2025	22/01/2025	22/01/2025
Time Tested	**	**	**	**	**	**
Test Request #/Location	Lot 1025 Retest #17	Lot 1026	Lot 1023	Lot 1020	Lot 1033	Lot 1034
Layer / Reduced Level	Layer 4	Layer 5	Layer 6	Layer 6	Layer 1	Layer 2
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	Caly	Caly	Caly	Caly	Caly	Caly
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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	0	0	0	0
Field Wet Density (FWD) t/m ³	2.01	1.94	1.92	1.95	2.03	2.02
Field Moisture Content %	19.8	12.6	14.8	15.2	12.6	14.3
Field Dry Density (FDD) t/m ³	1.68	1.72	1.67	1.70	1.80	1.77
Peak Converted Wet Density t/m ³	2.00	1.90	1.94	1.93	1.96	1.99
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	22.1	15.3	19.2	17.8	16.8	17.0
Adj. Field Moisture Content % (AS1289.5.4.1)	19.8	12.6	14.8	15.2	12.6	14.3
Moisture Ratio % (AS1289.5.4.1)	89.5	82.0	77.0	85.5	75.0	84.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	2.0	3.0	4.5	2.5	4.0	2.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	100.5	102.5	99.0	101.5	103.5	101.5
Compaction Method	Standard	Standard	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: P242083-8
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 16912
Date Sampled: 23/01/2025
Dates Tested: 23/01/2025 - 24/01/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan place future stage 10- level one
Material: CLAY
Material Source: Onsite



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 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-16912A	P25-16912B	P25-16912C
Test Number	28	29	30
Date Tested	23/01/2025	23/01/2025	23/01/2025
Time Tested	**	**	**
Test Request #/Location	Lot 1033	Lot 1035	Lot 1037
Layer / Reduced Level	Layer 3	Layer 1	Layer 1
Thickness of Layer (mm)	300	300	300
Soil Description	CLAY	CLAY	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.96	1.92	2.01
Field Moisture Content %	15.7	20.7	22.0
Field Dry Density (FDD) t/m ³	1.69	1.59	1.65
Peak Converted Wet Density t/m ³	2.03	1.97	2.04
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	**	20.7	22.0
Moisture Ratio % (AS1289.5.4.1)	97.5	92.0	109.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.5	1.5	-2.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	96.5	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: P242083-9
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Locations Added
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17011
Date Sampled: 04/02/2025
Dates Tested: 04/02/2025 - 06/02/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan place future stage 10- level one
Material: CLAY
Material Source: Onsite



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 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	P25-17011A	P25-17011B	P25-17011C	P25-17011D	P25-17011E
Test Number	31	32	33	34	35
Date Tested	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Time Tested	**	**	**	**	**
Test Request #/Location	Lot 1040	Lot 1044	Lot 1047	Lot 1049	Lot 1048
Layer / Reduced Level	Layer 1	Layer 1	Layer 1	Layer 1	Layer 2
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	CLAY	Gravelly CLAY	CLAY	CLAY	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	0	0	0	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	0	**	0	0
Field Wet Density (FWD) t/m ³	2.02	2.00	2.05	2.04	1.98
Field Moisture Content %	14.2	7.4	19.5	16.3	4.1
Field Dry Density (FDD) t/m ³	1.77	1.86	1.72	1.75	1.90
Peak Converted Wet Density t/m ³	1.92	1.91	2.03	2.04	1.98
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	12.2	**	15.5	8.3
Adj. Field Moisture Content % (AS1289.5.4.1)	14.2	7.4	19.5	16.3	4.1
Moisture Ratio % (AS1289.5.4.1)	97.5	61.0	104.5	105.5	48.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	0.5	5.0	-1.0	-1.0	4.5
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	105.0	104.5	101.0	100.0	100.0
Compaction Method	Standard	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: P242083-10
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17017
Date Sampled: 05/02/2025
Dates Tested: 05/02/2025 - 07/02/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Future Stage 10 - Level one
Material: Clay
Material Source: Onsite



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Approved Signatory: Chris Caulfield
 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-17017A	P25-17017B	
Test Number	36	37	
Date Tested	05/02/2025	05/02/2025	
Time Tested	**	**	
Test Request #/Location	Lot 1046	Lot 1042	
Layer / Reduced Level	Layer 2	Layer 2	
Thickness of Layer (mm)	300	300	
Soil Description	Clay	Clay	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	
Field Wet Density (FWD) t/m ³	1.96	2.00	
Field Moisture Content %	19.6	10.6	
Field Dry Density (FDD) t/m ³	1.64	1.81	
Peak Converted Wet Density t/m ³	2.01	1.89	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	
Adj. Field Moisture Content % (AS1289.5.4.1)	19.6	10.6	
Moisture Ratio % (AS1289.5.4.1)	109.0	67.5	
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	
Moisture Variation (Wv) %	-1.5	5.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	98.0	105.5	
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: P242083-10
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17017
Date Sampled: 05/02/2025
Dates Tested: 05/02/2025 - 07/02/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Future Stage 10 - Level one
Material: Clay
Material Source: Onsite



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A handwritten signature in black ink, appearing to read 'Chris Caulfield'.

Approved Signatory: Chris Caulfield
Laboratory Manager
Laboratory Number: 15357

Compaction Control AS 1289 5.1.1 & 5.4.1 & 5.8.1 & 2.1.1

Sample Number	P25-17017C		
Test Number	38		
Date Tested	05/02/2025		
Time Tested	**		
Test Request #/Location	Lot 1039		
Layer / Reduced Level	Layer 2		
Thickness of Layer (mm)	300		
Soil Description	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 Assessment		
Field Wet Density (FWD) t/m ³	2.00		
Field Moisture Content %	7.9		
Field Dry Density t/m ³	1.86		
Maximum Dry Density t/m ³	1.79		
Adjusted Maximum Dry Density t/m ³	**		
Optimum Moisture Content (OMC) %	14.0		
Adjusted Optimum Moisture Content (OMC) %	**		
Moisture Variation %	6.5		
Moisture Ratio %	55.5		
Density Ratio %	104.0		
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: P242083-12
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17054
Dates Tested: 10/02/2025 - 11/02/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Future Stage 10
Material: Clay



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 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	P25-17054A	P25-17054B	P25-17054C	P25-17054D
Test Number	40	41	42	43
Date Tested	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Tested	**	**	**	**
Test Request #/Location	Lot 1045	Lot 1043	Lot 1041	Lot 1038
Layer / Reduced Level	Layer 3	Layer 3	Layer 3	Layer 3
Thickness of Layer (mm)	300	300	300	300
Soil Description	Clay	Clay	Clay	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**	0
Field Wet Density (FWD) t/m ³	2.04	2.00	2.01	2.05
Field Moisture Content %	13.6	14.6	15.9	11.3
Field Dry Density (FDD) t/m ³	1.79	1.74	1.74	1.84
Peak Converted Wet Density t/m ³	2.19	1.98	1.93	2.03
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**	14.1
Adj. Field Moisture Content % (AS1289.5.4.1)	13.6	14.6	15.9	11.3
Moisture Ratio % (AS1289.5.4.1)	131.0	88.5	86.5	80.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	-3.5	2.0	2.5	3.0
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	93.0	101.0	104.0	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: P242083-11
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason:
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17051
Date Sampled: 10/02/2025
Dates Tested: 10/02/2025 - 12/03/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Future Stage 10 - Level One
Material: Clay
Material Source: Onsite



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Approved Signatory: Chris Caulfield
 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-17051A	P25-17051B	P25-17051C
Test Number	44	45	46
Date Tested	10/02/2025	10/02/2025	10/02/2025
Time Tested	**	**	**
Test Request #/Location	Lot 1035	Lot 1043	Lot 1040
Layer / Reduced Level	layer 3	FSL	FSL
Thickness of Layer (mm)	300	300	300
Soil Description	Clay	Clay	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	**
Field Wet Density (FWD) t/m ³	2.01	2.01	2.02
Field Moisture Content %	11.2	14.2	13.1
Field Dry Density (FDD) t/m ³	1.81	1.76	1.78
Peak Converted Wet Density t/m ³	1.96	1.96	1.96
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	13.5	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	11.2	14.2	13.1
Moisture Ratio % (AS1289.5.4.1)	82.5	83.5	100.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	2.5	3.0	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	103.0	102.5	103.0
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: P242083-13
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17074
Date Sampled: 12/02/2025
Dates Tested: 12/02/2025 - 13/02/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Future Stage 10 - Level One
Material: CLAY
Material Source: Onsite



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 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	P25-17074A	P25-17074B	P25-17074C	P25-17074D	P25-17074E
Test Number	47	48	49	50	51
Date Tested	12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Tested	**	**	**	**	**
Test Request #/Location	Lot 1045 Retest #40	Lot 1038	Lot 1036	Lot 1035	Lot 1019
Layer / Reduced Level	Layer 3	Final layer	Final layer	Final layer	Layer 1
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	CLAY	CLAY	CLAY	CLAY	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	0	0	0	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	0	0	0
Field Wet Density (FWD) t/m ³	2.05	2.02	2.03	2.11	2.18
Field Moisture Content %	13.2	16.9	13.9	12.4	13.5
Field Dry Density (FDD) t/m ³	1.81	1.73	1.78	1.87	1.92
Peak Converted Wet Density t/m ³	1.99	2.05	1.98	1.93	2.08
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	15.1	17.1	15.2	16.2	15.3
Adj. Field Moisture Content % (AS1289.5.4.1)	13.2	16.9	13.9	12.4	13.5
Moisture Ratio % (AS1289.5.4.1)	87.5	98.5	91.5	76.5	88.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	2.0	0.0	1.5	4.0	2.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	103.0	98.5	102.5	109.0	105.0
Compaction Method	Standard	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: P242083-14
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17126
Date Sampled: 18/02/2025
Dates Tested: 18/02/2025 - 19/02/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Future Stage 10 - Level One
Material: Clay
Material Source: Onsite



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 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	P25-17126A	P25-17126B	P25-17126C	P25-17126D	P25-17126E
Test Number	52	53	54	55	56
Date Tested	18/02/2025	18/02/2025	18/02/2025	18/02/2025	18/02/2025
Time Tested	**	**	**	**	**
Test Request #/Location	Lot 1016	Lot 1013	Lot 1010	Lot 1005	Lot 1001
Layer / Reduced Level	Layer 1	Layer 1	Layer 1	Layer 1	Layer 1
Thickness of Layer (mm)	300	300	300	300	300
Soil Description	Clay	Clay	CLAY	CLAY	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	0	0	0	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	0	0	0
Field Wet Density (FWD) t/m ³	2.04	2.03	1.99	2.02	2.04
Field Moisture Content %	17.1	15.5	15.1	14.3	15.9
Field Dry Density (FDD) t/m ³	1.74	1.76	1.73	1.76	1.76
Peak Converted Wet Density t/m ³	2.03	2.01	2.00	2.09	2.04
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	17.0	15.3	15.3	14.4	15.9
Adj. Field Moisture Content % (AS1289.5.4.1)	17.1	15.5	15.1	14.3	15.9
Moisture Ratio % (AS1289.5.4.1)	100.0	101.0	98.5	99.5	99.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**	**
Moisture Variation (Wv) %	0.0	0.0	0.0	0.0	0.0
Adjusted Moisture Variation %	**	**	**	**	**
Hilf Density Ratio (%)	100.5	101.5	99.5	96.5	100.0
Compaction Method	Standard	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: P242083-15
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17160
Date Sampled: 21/02/2025
Dates Tested: 21/02/2025 - 24/02/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Future Stage 10 - Level One
Material: CLAY
Material Source: Onsite



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Laboratory Manager
Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-17160A	P25-17160B	
Test Number	57	58	
Date Tested	21/02/2025	21/02/2025	
Time Tested	**	**	
Test Request #/Location	Lot 1018	Lot 1015	
Layer / Reduced Level	Layer 2	Layer 2	
Thickness of Layer (mm)	300	300	
Soil Description	Sandy CLAY	CLAY	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	
Field Wet Density (FWD) t/m ³	2.04	2.01	
Field Moisture Content %	14.1	20.8	
Field Dry Density (FDD) t/m ³	1.79	1.67	
Peak Converted Wet Density t/m ³	2.03	2.08	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	
Adj. Field Moisture Content % (AS1289.5.4.1)	14.1	20.8	
Moisture Ratio % (AS1289.5.4.1)	83.0	111.5	
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	
Moisture Variation (Wv) %	3.0	-2.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	100.5	97.0	
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: P242083-16
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason:
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17239
Date Sampled: 28/02/2025
Dates Tested: 28/02/2025 - 04/03/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Stage 10
Material: Sandy silty CLAY
Material Source: Onsite



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 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-17239A	P25-17239B	P25-17239C
Test Number	59	60	61
Date Tested	28/02/2025	28/02/2025	28/02/2025
Time Tested	**	**	**
Test Request #/Location	Lot 1008	Lot 1004	Lot 1002
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
Thickness of Layer (mm)	300	300	300
Soil Description	Sandy silty CLAY	Sandy silty CLAY	Sandy silty CLAY
Test Depth (mm)	275	275	275
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	2	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	2.07	1.95	1.96
Field Moisture Content %	12.3	7.7	11.0
Field Dry Density (FDD) t/m ³	1.84	1.81	1.77
Peak Converted Wet Density t/m ³	2.05	**	2.10
Adjusted Peak Converted Wet Density t/m ³	**	1.97	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	9.3	**
Adj. Field Moisture Content % (AS1289.5.4.1)	12.3	7.6	11.0
Moisture Ratio % (AS1289.5.4.1)	78.0	**	79.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	81.5	**
Moisture Variation (Wv) %	3.5	**	3.0
Adjusted Moisture Variation %	**	2.0	**
Hilf Density Ratio (%)	101.0	99.0	93.5
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: P242083-17
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Locations Added
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17279
Date Sampled: 05/03/2025
Dates Tested: 05/03/2025 - 06/03/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Stage 10
Material: Silty Clay
Material Source: Onsite



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 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1

Sample Number	P25-17279A	P25-17279B	P25-17279C
Test Number	62	63	64
Date Tested	05/03/2025	05/03/2025	05/03/2025
Time Tested	14:11	14:18	14:25
Test Request #/Location	Lot 1017	Lot 1012	Lot 1009
Layer / Reduced Level	Layer 2	Layer 3	Layer 3
Thickness of Layer (mm)	300	300	300
Soil Description	Silty Clay	Silty Clay	Silty 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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	2.04	2.06	2.06
Field Moisture Content %	16.6	17.1	17.3
Field Dry Density (FDD) t/m ³	1.75	1.76	1.75
Peak Converted Wet Density t/m ³	2.06	2.03	2.05
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	16.6	17.1	17.3
Moisture Ratio % (AS1289.5.4.1)	100.5	98.5	94.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.0	0.5	1.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	99.0	101.5	100.5
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: P242083-18
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Locations Added
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17477
Date Sampled: 26/03/2025
Dates Tested: 26/03/2025 - 27/03/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Estate Stage 10
Material: CLAY
Material Source: Onsite



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Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	P25-17477A	P25-17477B	P25-17477C	P25-17477D	P25-17477E	P25-17477F
Test Number	65	66	67	68	69	70
Date Tested	26/03/2025	26/03/2025	26/03/2025	26/03/2025	26/03/2025	26/03/2025
Time Tested	**	**	**	**	**	**
Test Request #/Location	Lot 1007	Lot 1004	Lot 1003	Lot 1019	Lot 1014	Lot 1010
Layer / Reduced Level	Layer 3	Layer 3	Layer 3	Layer 3	Layer 4	Layer 4
Thickness of Layer (mm)	300	300	300	300	300	300
Soil Description	CLAY	CLAY	CLAY	CLAY	CLAY	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**	**	**	**
Field Wet Density (FWD) t/m ³	2.00	2.05	2.00	2.00	2.02	2.08
Field Moisture Content %	14.3	12.0	14.1	9.8	15.2	12.8
Field Dry Density (FDD) t/m ³	1.75	1.83	1.75	1.82	1.75	1.85
Peak Converted Wet Density t/m ³	2.13	2.02	2.01	1.99	2.00	1.97
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**	**	**	**
Adj. Field Moisture Content % (AS1289.5.4.1)	14.3	12.0	14.1	9.8	15.2	12.8
Moisture Ratio % (AS1289.5.4.1)	99.5	82.5	86.0	72.0	90.0	82.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**	**	**
Moisture Variation (Wv) %	0.0	2.5	2.5	4.0	1.5	3.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	94.0	101.5	99.5	100.5	101.0	106.0
Compaction Method	Standard	Standard	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: P242083-19
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17537
Date Sampled: 31/03/2025
Dates Tested: 31/03/2025 - 01/04/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan place future stage 10- level one
Material: CLAY
Material Source: Onsite



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Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-17537A	P25-17537B	
Test Number	71	72	
Date Tested	31/03/2025	31/03/2025	
Time Tested	**	**	
Test Request #/Location	Lot 1006	Lot 1003	
Layer / Reduced Level	Layer 4	Layer 4	
Thickness of Layer (mm)	300	300	
Soil Description	CLAY	CLAY	
Test Depth (mm)	275	275	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	0	
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	
Field Wet Density (FWD) t/m ³	2.05	2.06	
Field Moisture Content %	21.9	20.3	
Field Dry Density (FDD) t/m ³	1.68	1.72	
Peak Converted Wet Density t/m ³	2.06	2.06	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	
Adj. Field Moisture Content % (AS1289.5.4.1)	21.9	20.3	
Moisture Ratio % (AS1289.5.4.1)	115.0	111.0	
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	
Moisture Variation (Wv) %	-3.0	-2.0	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	99.5	100.0	
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: P242083-20
Issue Number: 1
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17595
Date Sampled: 04/04/2025
Dates Tested: 04/04/2025 - 07/04/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Place Stage 10, Officer
Material: CLAY
Material Source: Onsite



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Laboratory Manager
Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	P25-17595B	P25-17595C	
Test Number	73	74	
Date Tested	04/04/2025	04/04/2025	
Time Tested	**	**	
Test Request #/Location	lot 1001	lot 1015	
Layer / Reduced Level	Layer 4	Final Layer	
Thickness of Layer (mm)	300	300	
Soil Description	CLAY	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	2.02	2.10	
Field Moisture Content %	22.0	13.3	
Field Dry Density (FDD) t/m ³	1.66	1.85	
Peak Converted Wet Density t/m ³	2.06	2.10	
Adjusted Peak Converted Wet Density t/m ³	**	**	
Moisture Variation (Wv) %	-3.0	0.5	
Adjusted Moisture Variation %	**	**	
Hilf Density Ratio (%)	98.0	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: P242083-21
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Locations Added
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17723
Date Sampled: 17/04/2025
Dates Tested: 17/04/2025 - 17/04/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Estate Stage 10
Material: CLAY



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Approved Signatory: Chris Caulfield
 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	P25-17723A	P25-17723B	P25-17723C	P25-17723D
Test Number	75	76	77	78
Date Tested	17/04/2025	17/04/2025	17/04/2025	17/04/2025
Time Tested	**	**	**	**
Test Request #/Location	Lot 1012	Lot 1008	Lot 1005	Lot 1002
Layer / Reduced Level	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	300	300	300	300
Soil Description	CLAY	CLAY	CLAY	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
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**	0
Field Wet Density (FWD) t/m ³	1.99	1.96	1.88	1.93
Field Moisture Content %	16.0	16.0	13.1	16.8
Field Dry Density (FDD) t/m ³	1.71	1.69	1.66	1.65
Peak Converted Wet Density t/m ³	1.95	1.97	1.96	2.01
Adjusted Peak Converted Wet Density t/m ³	**	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	**	**	**	18.4
Adj. Field Moisture Content % (AS1289.5.4.1)	16.0	16.0	13.1	16.8
Moisture Ratio % (AS1289.5.4.1)	84.0	85.5	76.5	91.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	**
Moisture Variation (Wv) %	3.0	2.5	4.0	1.5
Adjusted Moisture Variation %	**	**	**	**
Hilf Density Ratio (%)	102.0	99.5	96.0	96.0
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: P242083-21
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Locations Added
Date Issued: 22/05/2026
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: P242083
Project Name: Banyan Stage 10
Project Location: Officer
Work Request: 17723
Date Sampled: 17/04/2025
Dates Tested: 17/04/2025 - 17/04/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95%
Site Selection: Selected by Client
Location: Banyan Estate Stage 10
Material: CLAY



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 Laboratory Manager
 Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	P25-17723E	P25-17723F	P25-17723G	
Test Number	79	80	81	
Date Tested	17/04/2025	17/04/2025	17/04/2025	
Time Tested	**	**	**	
Test Request #/Location	Lot 1011	Lot 1002 Retest #61	Lot 1007 Retest #65	
Layer / Reduced Level	FSL	Layer 2	Layer 3	
Thickness of Layer (mm)	300	300	300	
Soil Description	CLAY	CLAY	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	
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	**	
Field Wet Density (FWD) t/m ³	1.90	1.89	1.94	
Field Moisture Content %	13.3	16.3	12.6	
Field Dry Density (FDD) t/m ³	1.68	1.63	1.72	
Peak Converted Wet Density t/m ³	1.98	1.99	1.94	
Adjusted Peak Converted Wet Density t/m ³	**	**	**	
Adj. Optimum Moisture Content % (AS1289.5.4.1)	15.0	**	**	
Adj. Field Moisture Content % (AS1289.5.4.1)	13.3	16.3	12.6	
Moisture Ratio % (AS1289.5.4.1)	89.0	88.5	79.0	
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**	
Moisture Variation (Wv) %	1.5	2.0	3.5	
Adjusted Moisture Variation %	**	**	**	
Hilf Density Ratio (%)	95.5	95.0	99.5	
Compaction Method	Standard	Standard	Standard	
Remarks	**	**	**	

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC