

Tulloh St Estate Stage 1

GITA Inspection Verification Report

Prepared For:	Lojac Civil Pty Ltd
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Report Number	D251349A V1
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Version Release Date	12 Nov 2025
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Report Released By	Eranda Hippola
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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 Tulloh St Estate Stage 1. This work was conducted over the period of 15/04/2025 to 11/09/2025.

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 LOT 101 To LOT 140, bounded by streets Alfred Road, Highgarden Road, Ewood Lane, Valley Road, Jesmond Road, Prenton Avenue & Widecombe 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 REEDS Consulting (Drawing Reference: 23862E/P1/1) 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

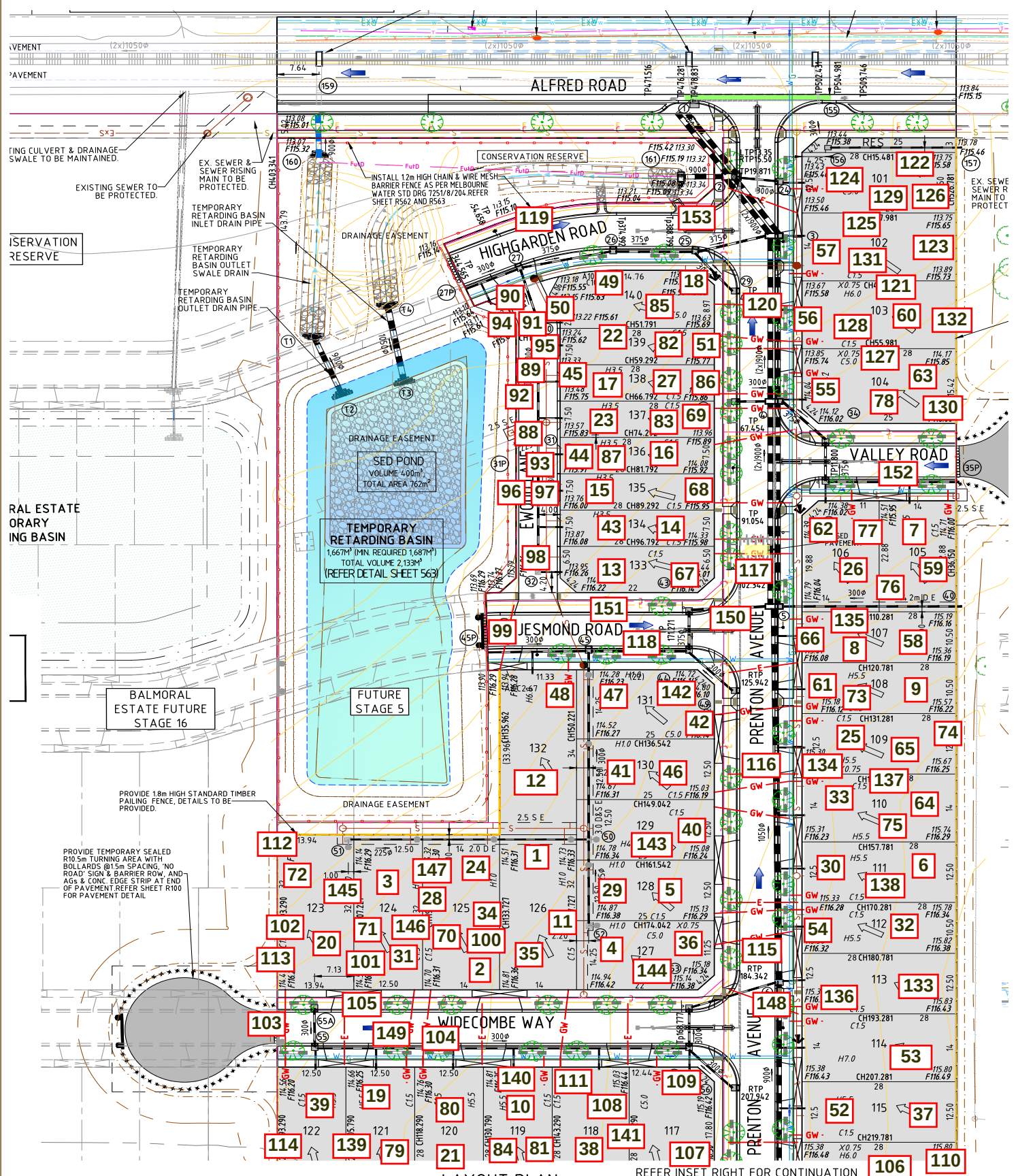
Compaction Verification testing is summarized in a detailed test register with test certificates attached provided in Appendix 2: *Compaction Test Register and Test Certificates*. A test location plan (D251349D1, Appendix 1) providing a schematic of test locations across the extent of scope of works for every placed layer of fill is also documented.

A total of 153 density tests (Hilf method in accordance with 1289 5.7.1) were undertaken with 0 failed results. 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 1 at TULLOH ST ESTATE. For completed fill areas of greater than 300mm, and for works completed between 15/04/2025 and 11/09/2025, 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 1 of TULLOH ST ESTATE was observed to be constructed in compliance with the requirements of the Technical Specification.

Appendix 1: Test Location Plan



LAYOUT PLAN

REFER INSET RIGHT FOR CONTINUATION

	DRAWN BY: S.SATHASIVAM MEL WAY: 34/3 JT DATUM: AHD	DESIGNED BY: J.SIGABALAVU CHECKED BY: AUTHORISED BY:	LAND SURVEYING CIVIL ENGINEERING PLANNING DEVELOPMENT CONSULTING Let 14, 881 Dandenong Street Melbourne Victoria 3000 P 03 9445 9999 Copyright © All Rights Reserved	CITY OF MELTON 43-57 ALFRED ROAD STRATHULLOH TULLOH ST ESTATE - PARCEL 1, STAGE 1 LAYOUT PLAN	DRAWING No. 1R201 VERSION E REFERENCE 23862E/P1/1
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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: TULLOH ST ESTATE, STAGE 1

Reference: D251349 D1

Appendix 2: Compaction Test Register and Test Certificates



Compaction Test Register

Client: LOJAC CIVIL Pty Ltd
Project: TULLOH ST ESTATE Stage 1

Project No: D251349
Specification: 95%

Date:	Test No:	Layer:	Retest of:	Density:	Pass/Fail:	Lot No:	Report No:
15/04/2025	1	Layer 1		99.5%	Pass	Lot 126	D251349-1
15/04/2025	2	Layer 1		101.0%	Pass	Lot 125	D251349-1
15/04/2025	3	Layer 1		101.5%	Pass	Lot 124	D251349-1
1/05/2025	4	Layer 2		105.5%	Pass	Lot 127	D251349-2
1/05/2025	5	Layer 2		105.5%	Pass	Lot 128	D251349-2
1/05/2025	6	Layer 2		100.5%	Pass	Lot 111	D251349-2
2/05/2025	7	Layer 1		99.5%	Pass	Lot 105	D251349-3
2/05/2025	8	Layer 1		97.5%	Pass	Lot 107	D251349-3
2/05/2025	9	Layer 1		97.0%	Pass	Lot 108	D251349-3
5/05/2025	10	Layer 2		102.0%	Pass	Lot 119	D251349-4
5/05/2025	11	Layer 2		104.0%	Pass	Lot 126	D251349-4
5/05/2025	12	Layer 2		101.5%	Pass	Lot 132	D251349-4
7/05/2025	13	Layer 1		103.5%	Pass	Lot 133	D251349-5
7/05/2025	14	Layer 1		100.0%	Pass	Lot 134	D251349-5
7/05/2025	15	Layer 1		101.5%	Pass	Lot 135	D251349-5
8/05/2025	16	Layer 1		100.5%	Pass	Lot 136	D251349-6
8/05/2025	17	Layer 1		103.5%	Pass	Lot 138	D251349-6
8/05/2025	18	Layer 1		103.5%	Pass	Lot 140	D251349-6
9/05/2025	19	Layer 2		102.0%	Pass	Lot 121	D251349-7
9/05/2025	20	Layer 2		97.5%	Pass	Lot 123	D251349-7
9/05/2025	21	Layer 2		104.5%	Pass	Lot 120	D251349-7
12/05/2025	22	Layer 2		98.0%	Pass	Lot 139	D251349-8
12/05/2025	23	Layer 2		98.5%	Pass	Lot 137	D251349-8
12/05/2025	24	Layer 2		96.5%	Pass	Lot 125	D251349-8
13/05/2025	25	Layer 1		102.0%	Pass	Lot 109	D251349-9
13/05/2025	26	Layer 1		100.5%	Pass	Lot 106	D251349-9
13/05/2025	27	Layer 2		99.0%	Pass	Lot 138	D251349-9
14/05/2025	28	Layer 3		98.0%	Pass	Lot 125	D251349-10
14/05/2025	29	Layer 3		96.5%	Pass	Lot 128	D251349-10
14/05/2025	30	Layer 3		97.5%	Pass	Lot 111	D251349-10
15/05/2025	31	Layer 3		97.5%	Pass	Lot 124	D251349-11
15/05/2025	32	Layer 3		102.5%	Pass	Lot 112	D251349-11
15/05/2025	33	Layer 3		99.5%	Pass	Lot 110	D251349-11
16/05/2025	34	Layer 3		103.5%	Pass	Lot 125	D251349-12
16/05/2025	35	Layer 3		103.5%	Pass	Lot 126	D251349-12
16/05/2025	36	Layer 3		97.0%	Pass	Lot 127	D251349-12
20/05/2025	37	Layer 3		97.5%	Pass	Lot 115	D251349-13
20/05/2025	38	Layer 3		101.0%	Pass	Lot 118	D251349-13
20/05/2025	39	Layer 3		98.5%	Pass	Lot 122	D251349-13
27/05/2025	40	Layer 2		100.0%	Pass	Lot 129	D251349-14
27/05/2025	41	Layer 2		102.0%	Pass	Lot 130	D251349-14



Compaction Test Register

Client: LOJAC CIVIL Pty Ltd
Project: TULLOH ST ESTATE Stage 1

Project No: D251349
Specification: 95%

Date:	Test No:	Layer:	Retest of:	Density:	Pass/Fail:	Lot No:	Report No:
27/05/2025	42	Layer 2		99.5%	Pass	Lot 131	D251349-14
29/05/2025	43	Layer 2		100.0%	Pass	Lot 134	D251349-15
29/05/2025	44	Layer 2		99.5%	Pass	Lot 136	D251349-15
29/05/2025	45	Layer 2		99.0%	Pass	Lot 138	D251349-15
30/05/2025	46	Layer 2		99.5%	Pass	Lot 130	D251349-16
30/05/2025	47	Layer 2		101.0%	Pass	Lot 131	D251349-16
30/05/2025	48	Layer 2		99.5%	Pass	Lot 132	D251349-16
6/06/2025	49	Layer 1		99.5%	Pass	Lot 140	D251349-17
6/06/2025	50	Layer 1		100.5%	Pass	Lot 140	D251349-17
6/06/2025	51	Layer 1		97.5%	Pass	Lot 139	D251349-17
13/06/2025	52	Layer 5		103.5%	Pass	Lot 115	D251349-18
13/06/2025	53	Layer 5		98.0%	Pass	Lot 114	D251349-18
13/06/2025	54	Layer 5		100.5%	Pass	Lot 112	D251349-18
16/06/2025	55	Layer 2		101.0%	Pass	Lot 104	D251349-19
16/06/2025	56	Layer 3		101.0%	Pass	Lot 103	D251349-19
16/06/2025	57	Layer 2		100.0%	Pass	Lot 102	D251349-19
17/06/2025	58	Layer 4		96.0%	Pass	Lot 107	D251349-20
17/06/2025	59	Layer 4		101.0%	Pass	Lot 105	D251349-20
17/06/2025	60	Layer 4		95.5%	Pass	Lot 103	D251349-20
18/06/2025	61	Layer 4		97.5%	Pass	Lot 108	D251349-21
18/06/2025	62	Layer 5		100.0%	Pass	Lot 106	D251349-21
18/06/2025	63	Layer 4		97.0%	Pass	Lot 104	D251349-21
19/06/2025	64	Layer 5		95.5%	Pass	Lot 110	D251349-22
19/06/2025	65	Layer 5		102.0%	Pass	Lot 109	D251349-22
19/06/2025	66	Layer 5		98.5%	Pass	Lot 107	D251349-22
20/06/2025	67	Layer 4		97.5%	Pass	Lot 133	D251349-23
20/06/2025	68	Layer 4		97.0%	Pass	Lot 135	D251349-23
20/06/2025	69	Layer 4		98.5%	Pass	Lot 137	D251349-23
23/06/2025	70	Layer 5		104.0%	Pass	Lot 125	D251349-24
23/06/2025	71	Layer 5		100.5%	Pass	Lot 124	D251349-24
23/06/2025	72	Layer 5		104.0%	Pass	Lot 123	D251349-24
27/06/2025	73	Layer 5		98.5%	Pass	Lot 108	D251349-25
27/06/2025	74	Layer 5		101.0%	Pass	Lot 109	D251349-25
27/06/2025	75	Layer 5		100.5%	Pass	Lot 110	D251349-25
30/06/2025	76	Layer 4		98.0%	Pass	Lot 105	D251349-26
30/06/2025	77	Layer 4		97.0%	Pass	Lot 106	D251349-26
30/06/2025	78	Layer 3		98.0%	Pass	Lot 104	D251349-26
7/07/2025	79	Layer 4		97.5%	Pass	Lot 121	D251349-27
7/07/2025	80	Layer 4		98.0%	Pass	Lot 120	D251349-27
7/07/2025	81	Layer 4		98.0%	Pass	Lot 119	D251349-27
9/07/2025	82	Layer 4		95.5%	Pass	Lot 139	D251349-28



Compaction Test Register

Client: LOJAC CIVIL Pty Ltd
Project: TULLOH ST ESTATE Stage 1

Project No: D251349
Specification: 95%

Date:	Test No:	Layer:	Retest of:	Density:	Pass/Fail:	Lot No:	Report No:
9/07/2025	83	Layer 4		95.5%	Pass	Lot 137	D251349-28
9/07/2025	84	Layer 4		98.0%	Pass	Lot 119	D251349-28
18/07/2025	85	Layer 4		98.5%	Pass	Lot 140	D251349-29
18/07/2025	86	Layer 4		98.5%	Pass	Lot 138	D251349-29
18/07/2025	87	Layer 4		98.5%	Pass	Lot 136	D251349-29
25/07/2025	88	Layer 5		100.0%	Pass	Ewood Lane	D251349-30
25/07/2025	89	Layer 5		101.0%	Pass	Ewood Lane	D251349-30
25/07/2025	90	Layer 5		101.5%	Pass	Ewood Lane	D251349-30
28/07/2025	91	Layer 6		100.0%	Pass	Ewood Lane	D251349-31
28/07/2025	92	Layer 7		101.0%	Pass	Ewood Lane	D251349-31
28/07/2025	93	Layer 7		99.5%	Pass	Ewood Lane	D251349-31
29/07/2025	94	Layer 8		101.5%	Pass	Ewood Lane	D251349-32
29/07/2025	95	Layer 8		101.0%	Pass	Ewood Lane	D251349-32
29/07/2025	96	Layer 8		101.0%	Pass	Ewood Lane	D251349-32
30/07/2025	97	Layer 8		101.5%	Pass	Ewood road	D251349-33
30/07/2025	98	Layer 8		97.5%	Pass	Ewood road	D251349-33
30/07/2025	99	Layer 8		101.0%	Pass	Jesmond road	D251349-33
31/07/2025	100	Layer 8		101.5%	Pass	Jesmond road	D251349-34
31/07/2025	101	Layer 8		95.5%	Pass	Jesmond road	D251349-34
31/07/2025	102	Layer 8		100.5%	Pass	Jesmond road	D251349-34
1/08/2025	103	Layer 1		101.5%	Pass	Widecombe way	D251349-35
1/08/2025	104	Layer 2		98.5%	Pass	Widecombe way	D251349-35
1/08/2025	105	Layer 2		97.5%	Pass	Widecombe way	D251349-35
4/08/2025	106	Layer 3		101.5%	Pass	Lot 116	D251349-36
4/08/2025	107	Layer 3		101.0%	Pass	Lot 117	D251349-36
4/08/2025	108	Layer 3		101.0%	Pass	Lot 118	D251349-36
5/08/2025	109	Layer 3		101.0%	Pass	Lot 117	D251349-37
5/08/2025	110	Layer 3		100.5%	Pass	Lot 116	D251349-37
5/08/2025	111	Layer 3		102.5%	Pass	Lot 118	D251349-37
6/08/2025	112	Layer 1		102.0%	Pass	Lot 123	D251349-38
6/08/2025	113	Layer 2		100.5%	Pass	Lot 123	D251349-38
6/08/2025	114	Layer 2		99.5%	Pass	Lot 122	D251349-38
7/08/2025	115	Layer 1		101.5%	Pass	Penton Avenue	D251349-39
7/08/2025	116	Layer 2		102.0%	Pass	Penton Avenue	D251349-39
7/08/2025	117	Layer 2		100.5%	Pass	Penton Avenue	D251349-39
8/08/2025	118	Layer 1		100.5%	Pass	Jesmond road	D251349-40
8/08/2025	119	Layer 1		100.5%	Pass	Highgarden road	D251349-40
8/08/2025	120	Layer 1		99.0%	Pass	Penton avenue	D251349-40
28/08/2025	121	Layer 1		98.0%	Pass	Lot 102	D251349-41
28/08/2025	122	Layer 2		97.0%	Pass	Lot 101	D251349-41
28/08/2025	123	Layer 2		99.5%	Pass	Lot 102	D251349-41



Compaction Test Register

Client: LOJAC CIVIL Pty Ltd
Project: TULLOH ST ESTATE Stage 1

Project No: D251349
Specification: 95%

Date:	Test No:	Layer:	Retest of:	Density:	Pass/Fail:	Lot No:	Report No:
29/08/2025	124	Layer 3		102.0%	Pass	Lot 101	D251349-42
29/08/2025	125	Layer 3		99.5%	Pass	Lot 102	D251349-42
29/08/2025	126	Layer 2		96.0%	Pass	Lot 101	D251349-42
1/09/2025	127	Layer 2		102.5%	Pass	Lot 104	D251349-43
1/09/2025	128	Layer 2		101.0%	Pass	Lot 103	D251349-43
1/09/2025	129	Layer 2		103.0%	Pass	Lot 101	D251349-43
2/09/2025	130	Layer 4		95.0%	Pass	Lot 104	D251349-44
2/09/2025	131	Layer 4		97.0%	Pass	Lot 102	D251349-44
2/09/2025	132	Layer 3		98.5%	Pass	Lot 103	D251349-44
3/09/2025	133	Layer 6		102.0%	Pass	Lot 113	D251349-45
3/09/2025	134	Layer 6		101.5%	Pass	Lot 109	D251349-45
3/09/2025	135	Layer 6		99.5%	Pass	Lot 107	D251349-45
4/09/2025	136	Layer 6		103.5%	Pass	Lot 113	D251349-46
4/09/2025	137	Layer 6		99.0%	Pass	Lot 110	D251349-46
4/09/2025	138	Layer 6		99.5%	Pass	Lot 111	D251349-46
5/09/2025	139	Layer 4		99.5%	Pass	Lot 121	D251349-47
5/09/2025	140	Layer 4		101.0%	Pass	Lot 119	D251349-47
5/09/2025	141	Layer 4		98.5%	Pass	Lot 118	D251349-47
8/09/2025	142	Layer 9		99.5%	Pass	Lot 131	D251349-48
8/09/2025	143	Layer 9		97.0%	Pass	Lot 129	D251349-48
8/09/2025	144	Layer 9		95.0%	Pass	Lot 127	D251349-48
9/09/2025	145	Layer 4		101.5%	Pass	Lot 123	D251349-49
9/09/2025	146	Layer 6		101.0%	Pass	Lot 124	D251349-49
9/09/2025	147	Layer 6		101.5%	Pass	Lot 125	D251349-49
10/09/2025	148	Layer 3		102.0%	Pass	Prenton Avenue	D251349-50
10/09/2025	149	Layer 3		100.0%	Pass	Widecombe Way	D251349-50
10/09/2025	150	Layer 3		100.5%	Pass	Jesmond Road	D251349-50
11/09/2025	151	Layer 3		102.5%	Pass	Jesmond Road	D251349-51
11/09/2025	152	Layer 6		101.0%	Pass	Valley Road	D251349-51
11/09/2025	153	Layer 2		101.5%	Pass	Highgarden Road	D251349-51

Material Test Report

Report Number: D251349-1
Issue Number: 1
Date Issued: 17/04/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9313
Date Sampled: 15/04/2025 14:30
Dates Tested: 15/04/2025 - 16/04/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Material: Clay
Material Source: imported



Deer Park Laboratory
 17 Walhalla Way Ravenhall VIC 3023
 Phone: 0435 751 756
 Email: ehippola@terrafirmalabs.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Eranda Hippola
 Laboratory Manager

NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9313A	D25-9313B	D25-9313C
Test Number	1	2	3
Date Tested	15/04/2025	15/04/2025	15/04/2025
Time Tested	14:30	14:40	14:50
Test Request #/Location	Lot 126	Lot 125	Lot 124
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 (%)	4	2	2
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.85	1.87	1.85
Field Moisture Content %	21.0	17.2	17.6
Field Dry Density (FDD) t/m ³	1.54	1.60	1.58
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	1.86	1.85	1.82
Adj. Optimum Moisture Content % (AS1289.5.4.1)	24.9	21.4	21.8
Adj. Field Moisture Content % (AS1289.5.4.1)	20.2	16.9	17.2
Moisture Ratio % (AS1289.5.4.1)	**	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	81.0	79.0	79.0
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	4.5	4.5	4.5
Hilf Density Ratio (%)	99.5	101.0	101.5
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: D251349-2
Issue Number: 1
Date Issued: 05/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9356
Date Sampled: 01/05/2025
Dates Tested: 01/05/2025 - 02/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 01/05/2025
Material: Clay
Material Source: Imported



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NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9356A	D25-9356B	D25-9356C
Test Number	4	5	6
Date Tested	01/05/2025	01/05/2025	01/05/2025
Time Tested	15:20	15:30	15:40
Test Request #/Location	Lot 127	Lot 128	Lot 111
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	8
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.93	1.91	1.90
Field Moisture Content %	19.5	24.7	22.4
Field Dry Density (FDD) t/m ³	1.61	1.53	1.57
Peak Converted Wet Density t/m ³	1.82	1.81	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.89
Adj. Optimum Moisture Content % (AS1289.5.4.1)	24.2	29.7	25.1
Adj. Field Moisture Content % (AS1289.5.4.1)	19.5	24.7	20.7
Moisture Ratio % (AS1289.5.4.1)	80.5	83.0	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	82.5
Moisture Variation (Wv) %	4.5	5.0	**
Adjusted Moisture Variation %	**	**	4.0
Hilf Density Ratio (%)	105.5	105.5	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: D251349-3
Issue Number: 1
Date Issued: 07/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9367
Date Sampled: 02/05/2025 08:30
Dates Tested: 02/05/2025 - 06/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Material: Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9367A	D25-9367B	D25-9367C
Test Number	7	8	9
Date Tested	02/05/2025	02/05/2025	02/05/2025
Time Tested	14:00	14:10	14:20
Test Request #/Location	Lot 105	Lot 107	Lot 108
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 (%)	6	6	6
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.82	1.81	1.81
Field Moisture Content %	15.9	15.6	13.9
Field Dry Density (FDD) t/m ³	1.58	1.58	1.60
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	1.82	1.85	1.86
Adj. Optimum Moisture Content % (AS1289.5.4.1)	19.4	18.9	17.4
Adj. Field Moisture Content % (AS1289.5.4.1)	15.1	14.6	13.1
Moisture Ratio % (AS1289.5.4.1)	**	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	77.5	77.5	75.0
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	4.5	4.5	4.5
Hilf Density Ratio (%)	99.5	97.5	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: D251349-4
Issue Number: 1
Date Issued: 09/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9378
Date Sampled: 05/05/2025
Dates Tested: 05/05/2025 - 08/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 05/05/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9378A	D25-9378B	D25-9378C
Test Number	10	11	12
Date Tested	05/05/2025	05/05/2025	05/05/2025
Time Tested	15:00	15:10	15:20
Test Request #/Location	Lot 119	Lot 126	Lot 132
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
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 (%)	6	5	8
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.85	1.92	1.86
Field Moisture Content %	23.3	19.6	22.9
Field Dry Density (FDD) t/m ³	1.52	1.61	1.53
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	1.82	1.84	1.83
Adj. Optimum Moisture Content % (AS1289.5.4.1)	26.5	23.3	25.6
Adj. Field Moisture Content % (AS1289.5.4.1)	21.8	18.6	21.0
Moisture Ratio % (AS1289.5.4.1)	**	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	82.5	80.0	82.0
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	4.5	4.5	4.5
Hilf Density Ratio (%)	102.0	104.0	101.5
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: D251349-5
Issue Number: 1
Date Issued: 14/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9398
Date Sampled: 07/05/2025
Dates Tested: 07/05/2025 - 13/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 07/05/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9398A	D25-9398B	D25-9398C
Test Number	13	14	15
Date Tested	07/05/2025	07/05/2025	07/05/2025
Time Tested	14:30	14:40	14:50
Test Request #/Location	Lot 133	Lot 134	Lot 135
Layer / Reduced Level	Layer 1	Layer 1	Layer 1
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 (%)	6	3	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	0
Field Wet Density (FWD) t/m ³	1.82	1.80	1.88
Field Moisture Content %	26.3	25.8	25.5
Field Dry Density (FDD) t/m ³	1.46	1.44	1.50
Peak Converted Wet Density t/m ³	**	**	1.85
Adjusted Peak Converted Wet Density t/m ³	1.76	1.79	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	29.5	30.0	27.9
Adj. Field Moisture Content % (AS1289.5.4.1)	24.8	25.1	25.5
Moisture Ratio % (AS1289.5.4.1)	**	**	91.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	84.0	83.5	**
Moisture Variation (Wv) %	**	**	2.5
Adjusted Moisture Variation %	4.5	4.5	**
Hilf Density Ratio (%)	103.5	100.0	101.5
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: D251349-6
Issue Number: 1
Date Issued: 14/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9407
Date Sampled: 08/05/2025
Dates Tested: 08/05/2025 - 13/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 08/05/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9407A	D25-9407B	D25-9407C
Test Number	16	17	18
Date Tested	08/05/2025	08/05/2025	08/05/2025
Time Tested	14:40	14:50	15:00
Test Request #/Location	Lot 136	Lot 138	Lot 140
Layer / Reduced Level	Layer 1	Layer 1	Layer 1
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 (%)	4	6	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	0
Field Wet Density (FWD) t/m ³	1.76	1.86	1.94
Field Moisture Content %	24.4	23.9	21.8
Field Dry Density (FDD) t/m ³	1.43	1.52	1.60
Peak Converted Wet Density t/m ³	**	**	1.88
Adjusted Peak Converted Wet Density t/m ³	1.75	1.80	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	28.3	27.2	26.7
Adj. Field Moisture Content % (AS1289.5.4.1)	23.5	22.5	21.8
Moisture Ratio % (AS1289.5.4.1)	**	**	81.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	83.0	82.5	**
Moisture Variation (Wv) %	**	**	4.5
Adjusted Moisture Variation %	5.0	4.5	**
Hilf Density Ratio (%)	100.5	103.5	103.5
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: D251349-7
Issue Number: 1
Date Issued: 16/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9421
Date Sampled: 09/05/2025
Dates Tested: 09/05/2025 - 15/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 09/05/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04

Sample Number	D25-9421A	D25-9421B	D25-9421C
Test Number	19	20	21
Date Tested	09/05/2025	09/05/2025	09/05/2025
Time Tested	14:45	14:55	15:05
Test Request #/Location	Lot 121	Lot 123	Lot 120
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
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 (%)	4	13	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	0
Field Wet Density (FWD) t/m ³	1.93	1.88	1.94
Field Moisture Content %	12.1	9.9	16.8
Field Dry Density (FDD) t/m ³	1.73	1.73	1.66
Peak Converted Wet Density t/m ³	**	**	1.85
Adjusted Peak Converted Wet Density t/m ³	1.89	1.94	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	15.9	12.4	21.6
Adj. Field Moisture Content % (AS1289.5.4.1)	11.6	8.6	16.8
Moisture Ratio % (AS1289.5.4.1)	**	**	78.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	73.0	69.5	**
Moisture Variation (Wv) %	**	**	4.5
Adjusted Moisture Variation %	4.5	4.0	**
Hilf Density Ratio (%)	102.0	97.5	104.5
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: D251349-8
Issue Number: 1
Date Issued: 19/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9428
Date Sampled: 12/05/2025
Dates Tested: 12/05/2025 - 16/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 12/05/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9428A	D25-9428B	D25-9428C
Test Number	22	23	24
Date Tested	12/05/2025	12/05/2025	12/05/2025
Time Tested	14:30	14:40	14:50
Test Request #/Location	Lot 139	Lot 137	Lot 125
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
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	1.89	1.89	1.88
Field Moisture Content %	23.3	22.0	24.8
Field Dry Density (FDD) t/m ³	1.53	1.55	1.51
Peak Converted Wet Density t/m ³	1.93	1.92	1.95
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	23.5	24.5	24.7
Adj. Field Moisture Content % (AS1289.5.4.1)	23.3	22.0	24.8
Moisture Ratio % (AS1289.5.4.1)	99.0	90.0	100.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	0.0	2.5	0.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	98.0	98.5	96.5
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: D251349-9
Issue Number: 1
Date Issued: 21/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9441
Date Sampled: 13/05/2025
Dates Tested: 13/05/2025 - 20/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 13/05/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9441A	D25-9441B	D25-9441C
Test Number	25	26	27
Date Tested	13/05/2025	13/05/2025	13/05/2025
Time Tested	14:00	14:10	14:20
Test Request #/Location	Lot 109	Lot 106	Lot 138
Layer / Reduced Level	Layer 1	Layer 1	Layer 2
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	1.87	1.91	1.84
Field Moisture Content %	24.0	21.2	20.6
Field Dry Density (FDD) t/m ³	1.51	1.57	1.52
Peak Converted Wet Density t/m ³	1.83	1.90	1.86
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	26.5	23.6	23.0
Adj. Field Moisture Content % (AS1289.5.4.1)	24.0	21.2	20.6
Moisture Ratio % (AS1289.5.4.1)	90.5	90.0	89.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	2.5	2.5	2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	102.0	100.5	99.0
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: D251349-10
Issue Number: 1
Date Issued: 21/05/2025
Client: Lojac Civil Pty Ltd
35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9447
Date Sampled: 14/05/2025 15:00
Dates Tested: 14/05/2025 - 20/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 14/05/2025
Material: Silty Clay
Material Source: imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9447A	D25-9447B	D25-9447C
Test Number	28	29	30
Date Tested	14/05/2025	14/05/2025	14/05/2025
Time Tested	15:10	15:20	15:30
Test Request #/Location	Lot 125	Lot 128	Lot 111
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	1.76	1.77	1.73
Field Moisture Content %	19.1	19.0	17.2
Field Dry Density (FDD) t/m ³	1.48	1.49	1.48
Peak Converted Wet Density t/m ³	1.80	1.83	1.78
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	24.4	23.9	21.8
Adj. Field Moisture Content % (AS1289.5.4.1)	19.1	19.0	17.2
Moisture Ratio % (AS1289.5.4.1)	78.5	79.5	79.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	5.0	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	98.0	96.5	97.5
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: D251349-11
Issue Number: 1
Date Issued: 23/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9458
Date Sampled: 15/05/2025
Dates Tested: 15/05/2025 - 22/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 15/05/2025
Material: Silty Clay
Material Source: imported



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NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9458A	D25-9458B	D25-9458C
Test Number	31	32	33
Date Tested	15/05/2025	15/05/2025	15/05/2025
Time Tested	15:00	15:10	15:20
Test Request #/Location	Lot 124	Lot 112	Lot 110
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	7
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.72	1.82	1.81
Field Moisture Content %	17.6	21.7	20.6
Field Dry Density (FDD) t/m ³	1.46	1.50	1.51
Peak Converted Wet Density t/m ³	1.76	1.78	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.82
Adj. Optimum Moisture Content % (AS1289.5.4.1)	22.3	26.5	21.5
Adj. Field Moisture Content % (AS1289.5.4.1)	17.6	21.7	19.2
Moisture Ratio % (AS1289.5.4.1)	79.0	81.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	89.5
Moisture Variation (Wv) %	5.0	5.0	**
Adjusted Moisture Variation %	**	**	2.5
Hilf Density Ratio (%)	97.5	102.5	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

Material Test Report

Report Number: D251349-12
Issue Number: 1
Date Issued: 27/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9472
Date Sampled: 16/05/2025
Dates Tested: 16/05/2025 - 26/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 16/05/2025
Material: Silty Clay
Material Source: imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9472A	D25-9472B	D25-9472C
Test Number	34	35	36
Date Tested	16/05/2025	16/05/2025	16/05/2025
Time Tested	15:00	15:10	15:20
Test Request #/Location	Lot 125	Lot 126	Lot 127
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	7
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.80	1.77	1.72
Field Moisture Content %	21.8	17.6	20.9
Field Dry Density (FDD) t/m ³	1.48	1.50	1.44
Peak Converted Wet Density t/m ³	1.74	1.70	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.77
Adj. Optimum Moisture Content % (AS1289.5.4.1)	26.7	22.3	21.7
Adj. Field Moisture Content % (AS1289.5.4.1)	21.8	17.6	19.5
Moisture Ratio % (AS1289.5.4.1)	82.0	78.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	89.5
Moisture Variation (Wv) %	5.0	5.0	**
Adjusted Moisture Variation %	**	**	2.5
Hilf Density Ratio (%)	103.5	103.5	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: D251349-13
Issue Number: 1
Date Issued: 28/05/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9488
Date Sampled: 20/05/2025
Dates Tested: 20/05/2025 - 27/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 20/05/2025
Material: Silty Clay
Material Source: On site



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9488A	D25-9488B	D25-9488C
Test Number	37	38	39
Date Tested	20/05/2025	20/05/2025	20/05/2025
Time Tested	15:00	15:10	15:20
Test Request #/Location	Lot 115	Lot 118	Lot 122
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	13	11
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	**
Field Wet Density (FWD) t/m ³	1.87	1.77	1.78
Field Moisture Content %	23.7	20.4	17.1
Field Dry Density (FDD) t/m ³	1.51	1.51	1.54
Peak Converted Wet Density t/m ³	1.92	**	**
Adjusted Peak Converted Wet Density t/m ³	**	1.76	1.80
Adj. Optimum Moisture Content % (AS1289.5.4.1)	26.0	19.8	19.4
Adj. Field Moisture Content % (AS1289.5.4.1)	23.7	17.7	15.2
Moisture Ratio % (AS1289.5.4.1)	91.0	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	89.5	78.5
Moisture Variation (Wv) %	2.5	**	**
Adjusted Moisture Variation %	**	2.0	4.5
Hilf Density Ratio (%)	97.5	101.0	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: D251349-14
Issue Number: 1
Date Issued: 02/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9536
Date Sampled: 27/05/2025
Dates Tested: 27/05/2025 - 30/05/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 27/05/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9536A	D25-9536B	D25-9536C
Test Number	40	41	42
Date Tested	27/05/2025	27/05/2025	27/05/2025
Time Tested	14:30	14:40	14:50
Test Request #/Location	Lot 129	Lot 130	Lot 131
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
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	1.83	1.88	1.81
Field Moisture Content %	16.8	14.5	13.6
Field Dry Density (FDD) t/m ³	1.57	1.64	1.59
Peak Converted Wet Density t/m ³	1.83	1.84	1.82
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	21.4	19.1	18.1
Adj. Field Moisture Content % (AS1289.5.4.1)	16.8	14.5	13.6
Moisture Ratio % (AS1289.5.4.1)	78.5	76.0	75.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	4.5	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	100.0	102.0	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

Material Test Report

Report Number: D251349-15
Issue Number: 1
Date Issued: 11/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9560
Date Sampled: 29/05/2025 14:30
Dates Tested: 29/05/2025 - 10/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 29/05/2025
Material: Silty Clay
Material Source: imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9560A	D25-9560B	D25-9560C
Test Number	43	44	45
Date Tested	29/05/2025	29/05/2025	29/05/2025
Time Tested	14:30	14:40	14:50
Test Request #/Location	Lot 134	Lot 136	Lot 138
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
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	5
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.85	1.83	1.84
Field Moisture Content %	17.1	16.7	17.4
Field Dry Density (FDD) t/m ³	1.58	1.57	1.58
Peak Converted Wet Density t/m ³	1.85	1.83	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.87
Adj. Optimum Moisture Content % (AS1289.5.4.1)	21.6	21.5	21.1
Adj. Field Moisture Content % (AS1289.5.4.1)	17.1	16.7	16.6
Moisture Ratio % (AS1289.5.4.1)	79.0	77.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	78.5
Moisture Variation (Wv) %	4.5	5.0	**
Adjusted Moisture Variation %	**	**	4.5
Hilf Density Ratio (%)	100.0	99.5	99.0
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: D251349-16
Issue Number: 1
Date Issued: 11/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9570
Date Sampled: 30/05/2025 14:00
Dates Tested: 30/05/2025 - 10/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 30/05/2025
Material: Silty Clay
Material Source: imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9570A	D25-9570B	D25-9570C
Test Number	46	47	48
Date Tested	30/05/2025	30/05/2025	30/05/2025
Time Tested	14:00	14:10	14:20
Test Request #/Location	Lot 130	Lot 131	Lot 132
Layer / Reduced Level	Layer 2	Layer 2	Layer 2
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	4
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.87	1.86	1.85
Field Moisture Content %	14.6	15.3	13.0
Field Dry Density (FDD) t/m ³	1.63	1.61	1.65
Peak Converted Wet Density t/m ³	1.87	1.85	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.86
Adj. Optimum Moisture Content % (AS1289.5.4.1)	19.1	19.8	16.6
Adj. Field Moisture Content % (AS1289.5.4.1)	14.6	15.3	12.4
Moisture Ratio % (AS1289.5.4.1)	76.0	77.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	74.5
Moisture Variation (Wv) %	4.5	4.5	**
Adjusted Moisture Variation %	**	**	4.5
Hilf Density Ratio (%)	99.5	101.0	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

Material Test Report

Report Number: D251349-17
Issue Number: 1
Date Issued: 13/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9611
Date Sampled: 06/06/2025 13:15
Dates Tested: 06/06/2025 - 12/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE 06/06/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9611A	D25-9611B	D25-9611C
Test Number	49	50	51
Date Tested	06/06/2025	06/06/2025	06/06/2025
Time Tested	13:15	13:25	13:35
Test Request #/Location	Lot 140	Lot 140	Lot 139
Layer / Reduced Level	Layer 1	Layer 1	Layer 1
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 (%)	9	4	13
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.86	1.85	1.82
Field Moisture Content %	20.6	18.6	19.9
Field Dry Density (FDD) t/m ³	1.57	1.57	1.55
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	1.88	1.85	1.86
Adj. Optimum Moisture Content % (AS1289.5.4.1)	23.2	22.4	21.5
Adj. Field Moisture Content % (AS1289.5.4.1)	18.8	17.8	17.4
Moisture Ratio % (AS1289.5.4.1)	**	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	81.0	79.5	80.5
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	4.5	4.5	4.0
Hilf Density Ratio (%)	99.5	100.5	97.5
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: D251349-18
Issue Number: 1
Date Issued: 17/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9628
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
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 13/06/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9628A	D25-9628B	D25-9628C
Test Number	52	53	54
Date Tested	13/06/2025	13/06/2025	13/06/2025
Time Tested	13:35	13:35	13:35
Test Request #/Location	Lot 115	Lot 114	Lot 112
Layer / Reduced Level	Layer 5	Layer 5	Layer 5
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	8	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	0
Field Wet Density (FWD) t/m ³	1.79	1.80	1.78
Field Moisture Content %	22.2	24.1	22.8
Field Dry Density (FDD) t/m ³	1.46	1.47	1.45
Peak Converted Wet Density t/m ³	1.73	**	1.77
Adjusted Peak Converted Wet Density t/m ³	**	1.83	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	27.2	24.4	27.8
Adj. Field Moisture Content % (AS1289.5.4.1)	22.2	22.1	22.8
Moisture Ratio % (AS1289.5.4.1)	82.0	**	82.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	90.5	**
Moisture Variation (Wv) %	5.0	**	5.0
Adjusted Moisture Variation %	**	2.5	**
Hilf Density Ratio (%)	103.5	98.0	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: D251349-19
Issue Number: 1
Date Issued: 18/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9629
Date Sampled: 16/06/2025
Dates Tested: 16/06/2025 - 17/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 16/06/2025
Material: Silty Clay
Material Source: imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9629A	D25-9629B	D25-9629C
Test Number	55	56	57
Date Tested	16/06/2025	16/06/2025	16/06/2025
Time Tested	14:35	14:45	14:55
Test Request #/Location	Lot 104	Lot 103	Lot 102
Layer / Reduced Level	Layer 2	Layer 3	Layer 2
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	1.77	1.76	1.75
Field Moisture Content %	18.9	19.1	19.4
Field Dry Density (FDD) t/m ³	1.49	1.48	1.46
Peak Converted Wet Density t/m ³	1.76	1.74	1.74
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	23.7	23.9	24.2
Adj. Field Moisture Content % (AS1289.5.4.1)	18.9	19.1	19.4
Moisture Ratio % (AS1289.5.4.1)	80.0	80.0	80.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	5.0	5.0	5.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	101.0	101.0	100.0
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: D251349-20
Issue Number: 1
Date Issued: 20/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9635
Date Sampled: 17/06/2025
Dates Tested: 17/06/2025 - 19/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 17/06/2025
Material: Silty Clay
Material Source: on site



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9635A	D25-9635B	D25-9635C
Test Number	58	59	60
Date Tested	17/06/2025	17/06/2025	17/06/2025
Time Tested	14:00	14:10	14:20
Test Request #/Location	Lot 107	Lot 105	Lot 103
Layer / Reduced Level	Layer 4	Layer 4	Layer 4
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	10	10
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	**
Field Wet Density (FWD) t/m ³	1.79	1.97	1.78
Field Moisture Content %	27.7	23.9	20.4
Field Dry Density (FDD) t/m ³	1.40	1.62	1.50
Peak Converted Wet Density t/m ³	1.87	**	**
Adjusted Peak Converted Wet Density t/m ³	**	1.95	1.86
Adj. Optimum Moisture Content % (AS1289.5.4.1)	27.7	24.0	22.8
Adj. Field Moisture Content % (AS1289.5.4.1)	27.7	21.5	18.4
Moisture Ratio % (AS1289.5.4.1)	99.5	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	90.0	80.5
Moisture Variation (Wv) %	0.0	**	**
Adjusted Moisture Variation %	**	2.5	4.5
Hilf Density Ratio (%)	96.0	101.0	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: D251349-21
Issue Number: 1
Date Issued: 20/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9644
Date Sampled: 18/06/2025
Dates Tested: 18/06/2025 - 19/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 18/06/2025
Material: Silty Clay
Material Source: imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9644A	D25-9644B	D25-9644C
Test Number	61	62	63
Date Tested	18/06/2025	18/06/2025	18/06/2025
Time Tested	12:50	13:00	13:10
Test Request #/Location	Lot 108	Lot 106	Lot 104
Layer / Reduced Level	Layer 4	Layer 5	Layer 4
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	9	6
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	**
Field Wet Density (FWD) t/m ³	1.80	1.93	1.80
Field Moisture Content %	25.5	24.8	20.5
Field Dry Density (FDD) t/m ³	1.44	1.58	1.51
Peak Converted Wet Density t/m ³	1.85	**	**
Adjusted Peak Converted Wet Density t/m ³	**	1.94	1.85
Adj. Optimum Moisture Content % (AS1289.5.4.1)	28.1	24.6	23.9
Adj. Field Moisture Content % (AS1289.5.4.1)	25.5	22.5	19.2
Moisture Ratio % (AS1289.5.4.1)	90.5	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	91.5	80.5
Moisture Variation (Wv) %	2.5	**	**
Adjusted Moisture Variation %	**	2.0	4.5
Hilf Density Ratio (%)	97.5	100.0	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: D251349-22
Issue Number: 1
Date Issued: 23/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9653
Date Sampled: 19/06/2025 12:45
Dates Tested: 19/06/2025 - 20/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 19/06/2025
Material: Silty Clay
Material Source: imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9653A	D25-9653B	D25-9653C
Test Number	64	65	66
Date Tested	19/06/2025	19/06/2025	19/06/2025
Time Tested	12:45	12:55	13:05
Test Request #/Location	Lot 110	Lot 109	Lot 107
Layer / Reduced Level	Layer 5	Layer 5	Layer 5
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	1.76	1.78	1.78
Field Moisture Content %	25.4	23.2	21.0
Field Dry Density (FDD) t/m ³	1.40	1.44	1.47
Peak Converted Wet Density t/m ³	1.84	1.74	1.80
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	27.9	28.1	26.0
Adj. Field Moisture Content % (AS1289.5.4.1)	25.4	23.2	21.0
Moisture Ratio % (AS1289.5.4.1)	91.0	82.5	80.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	2.5	5.0	5.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	95.5	102.0	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: D251349-23
Issue Number: 1
Date Issued: 24/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9663
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
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 20/06/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9663A	D25-9663B	D25-9663C
Test Number	67	68	69
Date Tested	20/06/2025	20/06/2025	20/06/2025
Time Tested	14:15	14:25	14:35
Test Request #/Location	Lot 133	Lot 135	Lot 137
Layer / Reduced Level	Layer 4	Layer 4	Layer 4
Thickness of Layer (mm)	300	300	300
Soil Description	Silty Clay	Silty Clay	Silty Clay
Test Depth (mm)	2750	2750	2750
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	4	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	0
Field Wet Density (FWD) t/m ³	1.78	1.80	1.79
Field Moisture Content %	22.6	21.0	20.3
Field Dry Density (FDD) t/m ³	1.45	1.50	1.49
Peak Converted Wet Density t/m ³	1.82	**	1.82
Adjusted Peak Converted Wet Density t/m ³	**	1.86	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	25.0	22.4	22.7
Adj. Field Moisture Content % (AS1289.5.4.1)	22.6	20.1	20.3
Moisture Ratio % (AS1289.5.4.1)	90.5	**	89.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	89.5	**
Moisture Variation (Wv) %	2.5	**	2.5
Adjusted Moisture Variation %	**	2.5	**
Hilf Density Ratio (%)	97.5	97.0	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: D251349-24
Issue Number: 1
Date Issued: 25/06/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9668
Date Sampled: 23/06/2025
Dates Tested: 23/06/2025 - 24/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 23/06/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9668A	D25-9668B	D25-9668C
Test Number	70	71	72
Date Tested	23/06/2025	23/06/2025	23/06/2025
Time Tested	14:10	14:20	14:30
Test Request #/Location	Lot 125	Lot 124	Lot 123
Layer / Reduced Level	Layer 5	Layer 5	Layer 5
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	1.79	1.78	1.78
Field Moisture Content %	20.5	18.8	31.0
Field Dry Density (FDD) t/m ³	1.48	1.50	1.36
Peak Converted Wet Density t/m ³	1.72	1.77	1.72
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	25.3	23.4	36.0
Adj. Field Moisture Content % (AS1289.5.4.1)	20.5	18.8	31.0
Moisture Ratio % (AS1289.5.4.1)	81.0	80.0	86.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	5.0	5.0	5.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	104.0	100.5	104.0
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: D251349-25
Issue Number: 1
Date Issued: 01/07/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9701
Date Sampled: 27/06/2025 14:00
Dates Tested: 27/06/2025 - 30/06/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 27/06/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9701A	D25-9701B	D25-9701C
Test Number	73	74	75
Date Tested	27/06/2025	27/06/2025	27/06/2025
Time Tested	14:00	14:10	14:20
Test Request #/Location	Lot 108	Lot 109	Lot 110
Layer / Reduced Level	Layer 5	Layer 5	Layer 5
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	1.79	1.83	1.84
Field Moisture Content %	22.2	24.8	24.3
Field Dry Density (FDD) t/m ³	1.47	1.46	1.48
Peak Converted Wet Density t/m ³	1.82	1.81	1.82
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	27.1	29.8	29.4
Adj. Field Moisture Content % (AS1289.5.4.1)	22.2	24.8	24.3
Moisture Ratio % (AS1289.5.4.1)	82.0	83.0	83.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	4.5	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	98.5	101.0	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: D251349-26
Issue Number: 1
Date Issued: 02/07/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9709
Date Sampled: 30/06/2025 14:15
Dates Tested: 30/06/2025 - 01/07/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 30/06/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9709A	D25-9709B	D25-9709C
Test Number	76	77	78
Date Tested	30/06/2025	30/06/2025	30/06/2025
Time Tested	14:15	14:25	14:45
Test Request #/Location	Lot 105	Lot 106	Lot 104
Layer / Reduced Level	Layer 4	Layer 4	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 (%)	13	11	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	0
Field Wet Density (FWD) t/m ³	1.96	1.86	1.73
Field Moisture Content %	27.9	23.9	20.5
Field Dry Density (FDD) t/m ³	1.57	1.53	1.44
Peak Converted Wet Density t/m ³	**	**	1.76
Adjusted Peak Converted Wet Density t/m ³	2.00	1.92	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	24.5	21.3	25.3
Adj. Field Moisture Content % (AS1289.5.4.1)	24.4	21.2	20.5
Moisture Ratio % (AS1289.5.4.1)	**	**	81.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	99.5	100.0	**
Moisture Variation (Wv) %	**	**	5.0
Adjusted Moisture Variation %	0.0	0.0	**
Hilf Density Ratio (%)	98.0	97.0	98.0
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: D251349-27
Issue Number: 1
Date Issued: 09/07/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9747
Date Sampled: 07/07/2025 14:15
Dates Tested: 07/07/2025 - 08/07/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 07/07/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9747A	D25-9747B	D25-9747C
Test Number	79	80	81
Date Tested	07/07/2025	07/07/2025	07/07/2025
Time Tested	14:15	14:25	14:35
Test Request #/Location	Lot 121	Lot 120	Lot 119
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 (%)	12	10	9
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.86	1.83	1.80
Field Moisture Content %	20.7	21.7	26.8
Field Dry Density (FDD) t/m ³	1.58	1.53	1.45
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	1.91	1.87	1.84
Adj. Optimum Moisture Content % (AS1289.5.4.1)	18.2	19.5	24.3
Adj. Field Moisture Content % (AS1289.5.4.1)	18.2	19.5	24.3
Moisture Ratio % (AS1289.5.4.1)	**	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	100.0	100.0	100.0
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	0.0	0.0	0.0
Hilf Density Ratio (%)	97.5	98.0	98.0
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: D251349-28
Issue Number: 1
Date Issued: 15/07/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9760
Date Sampled: 09/07/2025
Dates Tested: 09/07/2025 - 14/07/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 09/07/2025
Material: Silty Clay
Material Source: Imported



Deer Park Laboratory
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 Phone: 0435 751 756
 Email: ehippola@terrafirmalabs.com.au



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Eranda Hippola
 Laboratory Manager

NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9760A	D25-9760B	D25-9760C
Test Number	82	83	84
Date Tested	09/07/2025	09/07/2025	09/07/2025
Time Tested	14:30	14:40	14:50
Test Request #/Location	Lot 139	Lot 137	Lot 119
Layer / Reduced Level	Layer 4	Layer 4	Layer 4
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 (%)	20	20	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	0
Field Wet Density (FWD) t/m ³	1.81	1.81	1.93
Field Moisture Content %	22.0	19.8	15.7
Field Dry Density (FDD) t/m ³	1.54	1.56	1.67
Peak Converted Wet Density t/m ³	**	**	1.96
Adjusted Peak Converted Wet Density t/m ³	1.89	1.89	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	21.6	19.7	20.3
Adj. Field Moisture Content % (AS1289.5.4.1)	17.6	15.9	15.7
Moisture Ratio % (AS1289.5.4.1)	**	**	77.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	81.5	80.5	**
Moisture Variation (Wv) %	**	**	4.5
Adjusted Moisture Variation %	4.0	4.0	**
Hilf Density Ratio (%)	95.5	95.5	98.0
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: D251349-29
Issue Number: 1
Date Issued: 24/07/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9834
Date Sampled: 18/07/2025
Dates Tested: 18/07/2025 - 23/07/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 09/07/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9834A	D25-9834B	D25-9834C
Test Number	85	86	87
Date Tested	18/07/2025	18/07/2025	18/07/2025
Time Tested	14:30	14:40	14:50
Test Request #/Location	Lot 140	Lot 138	Lot 136
Layer / Reduced Level	Layer 4	Layer 4	Layer 4
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	1.81	1.81	1.80
Field Moisture Content %	20.6	20.6	20.5
Field Dry Density (FDD) t/m ³	1.50	1.50	1.50
Peak Converted Wet Density t/m ³	1.84	1.83	1.83
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	25.5	25.5	25.3
Adj. Field Moisture Content % (AS1289.5.4.1)	20.6	20.6	20.5
Moisture Ratio % (AS1289.5.4.1)	81.0	81.0	81.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	4.5	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	98.5	98.5	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: D251349-30
Issue Number: 1
Date Issued: 01/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9863
Date Sampled: 25/07/2025
Dates Tested: 25/07/2025 - 31/07/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: TULLOH ST ESTATE STAGE 1 - LEVEL ONE - 25/07/2025
Material: Silty Clay
Material Source: Imported



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9863A	D25-9863B	D25-9863C
Test Number	88	89	90
Date Tested	25/07/2025	25/07/2025	25/07/2025
Time Tested	02:30	02:30	02:30
Test Request #/Location	Ewood Lane	Ewood Lane	Ewood Lane
Easting	289618	289621	289622
Northing	5822241	5822263	5822279
Layer / Reduced Level	Layer 5	Layer 5	Layer 5
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	0	0
Field Wet Density (FWD) t/m ³	1.89	1.89	1.88
Field Moisture Content %	15.5	20.1	18.5
Field Dry Density (FDD) t/m ³	1.63	1.57	1.59
Peak Converted Wet Density t/m ³	1.89	1.87	1.85
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	20.2	25.0	23.3
Adj. Field Moisture Content % (AS1289.5.4.1)	15.5	20.1	18.5
Moisture Ratio % (AS1289.5.4.1)	77.0	80.5	79.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	4.5	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	100.0	101.0	101.5
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: D251349-31
Issue Number: 1
Date Issued: 01/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9874
Date Sampled: 28/07/2025
Dates Tested: 28/07/2025 - 31/07/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1 - Level one - 28/07/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9874A	D25-9874B	D25-9874C
Test Number	91	92	93
Date Tested	28/07/2025	28/07/2025	28/07/2025
Time Tested	14:50	15:00	15:05
Test Request #/Location	Ewood Lane	Ewood Lane	Ewood Lane
Easting	289616	289626	289620
Northing	5822292	5822280	5822274
Layer / Reduced Level	Layer 6	Layer 7	Layer 7
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 (%)	7	0	6
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	0	**
Field Wet Density (FWD) t/m ³	1.96	1.95	1.90
Field Moisture Content %	18.6	17.5	19.6
Field Dry Density (FDD) t/m ³	1.68	1.66	1.60
Peak Converted Wet Density t/m ³	**	1.93	**
Adjusted Peak Converted Wet Density t/m ³	1.96	**	1.91
Adj. Optimum Moisture Content % (AS1289.5.4.1)	21.6	22.3	22.9
Adj. Field Moisture Content % (AS1289.5.4.1)	17.2	17.5	18.4
Moisture Ratio % (AS1289.5.4.1)	**	78.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	79.5	**	80.5
Moisture Variation (Wv) %	**	4.5	**
Adjusted Moisture Variation %	4.0	**	4.5
Hilf Density Ratio (%)	100.0	101.0	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

Material Test Report

Report Number: D251349-32
Issue Number: 1
Date Issued: 04/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9885
Date Sampled: 29/07/2025
Dates Tested: 29/07/2025 - 01/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh St Estate Stage 1- Level one - 29/07/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9885A	D25-9885B	D25-9885C
Test Number	94	95	96
Date Tested	29/07/2025	29/07/2025	29/07/2025
Time Tested	14:50	14:55	15:05
Test Request #/Location	EWOOD LANE	EWOOD LANE	EWOOD LANE
Easting	289620	289622	289618
Northing	5822290	5822277	5822270
Layer / Reduced Level	Layer 8	Layer 8	Layer 8
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	0	0
Field Wet Density (FWD) t/m ³	1.91	1.95	1.94
Field Moisture Content %	17.9	17.7	18.3
Field Dry Density (FDD) t/m ³	1.62	1.66	1.64
Peak Converted Wet Density t/m ³	1.88	1.92	1.92
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	22.6	22.5	23.0
Adj. Field Moisture Content % (AS1289.5.4.1)	17.9	17.7	18.3
Moisture Ratio % (AS1289.5.4.1)	79.0	79.0	79.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	4.5	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	101.5	101.0	101.0
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: D251349-33
Issue Number: 1
Date Issued: 04/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9895
Date Sampled: 30/07/2025
Dates Tested: 30/07/2025 - 01/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1- Level One - 30/07/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9895A	D25-9895B	D25-9895C
Test Number	97	98	99
Date Tested	30/07/2025	30/07/2025	30/07/2025
Time Tested	14:50	14:55	15:00
Test Request #/Location	Ewood road	Ewood road	Jesmond road
Easting	289626	289623	289621
Northing	5822234	5822210	5822245
Layer / Reduced Level	Layer 8	Layer 8	Layer 8
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	0	0
Field Wet Density (FWD) t/m ³	1.80	1.79	1.81
Field Moisture Content %	19.8	17.6	17.3
Field Dry Density (FDD) t/m ³	1.50	1.52	1.54
Peak Converted Wet Density t/m ³	1.77	1.83	1.79
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	24.6	22.3	22.0
Adj. Field Moisture Content % (AS1289.5.4.1)	19.8	17.6	17.3
Moisture Ratio % (AS1289.5.4.1)	80.5	79.0	78.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	5.0	4.5	5.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	101.5	97.5	101.0
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: D251349-34
Issue Number: 1
Date Issued: 05/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9907
Date Sampled: 31/07/2025
Dates Tested: 31/07/2025 - 04/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1- Level one - 31/07/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9907A	D25-9907B	D25-9907C
Test Number	100	101	102
Date Tested	31/07/2025	31/07/2025	31/07/2025
Time Tested	14:45	14:50	15:00
Test Request #/Location	Jesmond road	Jesmond road	Jesmond road
Easting	289602	289593	289611
Northing	5822166	5822171	5822168
Layer / Reduced Level	Layer 8	Layer 8	Layer 8
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	7
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.93	1.80	1.93
Field Moisture Content %	26.1	20.9	22.7
Field Dry Density (FDD) t/m ³	1.53	1.49	1.59
Peak Converted Wet Density t/m ³	1.90	1.88	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.91
Adj. Optimum Moisture Content % (AS1289.5.4.1)	28.7	25.8	23.5
Adj. Field Moisture Content % (AS1289.5.4.1)	26.1	20.9	21.2
Moisture Ratio % (AS1289.5.4.1)	91.0	81.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	90.5
Moisture Variation (Wv) %	2.5	4.5	**
Adjusted Moisture Variation %	**	**	2.0
Hilf Density Ratio (%)	101.5	95.5	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: D251349-35
Issue Number: 1
Date Issued: 06/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9915
Date Sampled: 01/08/2025
Dates Tested: 01/08/2025 - 05/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1- Level one - 01/08/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9915A	D25-9915B	D25-9915C
Test Number	103	104	105
Date Tested	01/08/2025	01/08/2025	01/08/2025
Time Tested	14:15	14:25	14:30
Test Request #/Location	Widecombe way	Widecombe way	Widecombe way
Easting	289599	289581	289583
Northing	5822131	5822125	5822138
Layer / Reduced Level	Layer 1	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	12
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.82	1.80	1.83
Field Moisture Content %	18.9	19.6	19.1
Field Dry Density (FDD) t/m ³	1.53	1.50	1.57
Peak Converted Wet Density t/m ³	1.80	1.83	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.87
Adj. Optimum Moisture Content % (AS1289.5.4.1)	23.7	24.4	20.9
Adj. Field Moisture Content % (AS1289.5.4.1)	18.9	19.6	16.7
Moisture Ratio % (AS1289.5.4.1)	79.5	80.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	80.0
Moisture Variation (Wv) %	5.0	4.5	**
Adjusted Moisture Variation %	**	**	4.0
Hilf Density Ratio (%)	101.5	98.5	97.5
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: D251349-36
Issue Number: 1
Date Issued: 08/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9924
Date Sampled: 04/08/2025
Dates Tested: 04/08/2025 - 07/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1-Level one - 04/08/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9924A	D25-9924B	D25-9924C
Test Number	106	107	108
Date Tested	04/08/2025	04/08/2025	04/08/2025
Time Tested	10:20	10:20	10:20
Test Request #/Location	Lot 116	Lot 117	Lot 118
Layer / Reduced Level	Layer 3	Layer 3	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	0	0
Field Wet Density (FWD) t/m ³	1.94	1.97	1.95
Field Moisture Content %	19.3	26.9	20.8
Field Dry Density (FDD) t/m ³	1.63	1.55	1.61
Peak Converted Wet Density t/m ³	1.92	1.95	1.92
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	24.1	32.1	25.7
Adj. Field Moisture Content % (AS1289.5.4.1)	19.3	26.9	20.8
Moisture Ratio % (AS1289.5.4.1)	80.0	84.0	81.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	4.5	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	101.5	101.0	101.0
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: D251349-37
Issue Number: 1
Date Issued: 08/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9936
Date Sampled: 05/08/2025
Dates Tested: 05/08/2025 - 07/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1- Level one - 05/08/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9936A	D25-9936B	D25-9936C
Test Number	109	110	111
Date Tested	05/08/2025	05/08/2025	05/08/2025
Time Tested	14:45	14:45	14:45
Test Request #/Location	Lot 117	Lot 116	Lot 118
Layer / Reduced Level	Layer 3	Layer 3	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	0	0
Field Wet Density (FWD) t/m ³	1.88	1.84	1.87
Field Moisture Content %	17.0	16.6	15.0
Field Dry Density (FDD) t/m ³	1.60	1.58	1.63
Peak Converted Wet Density t/m ³	1.86	1.84	1.83
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	20.2	19.8	18.2
Adj. Field Moisture Content % (AS1289.5.4.1)	17.0	16.6	15.0
Moisture Ratio % (AS1289.5.4.1)	84.0	84.0	82.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	3.0	3.5	3.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	101.0	100.5	102.5
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: D251349-38
Issue Number: 1
Date Issued: 11/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9943
Date Sampled: 06/08/2025
Dates Tested: 06/08/2025 - 08/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1- Level one - 06/08/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9943A	D25-9943B	D25-9943C
Test Number	112	113	114
Date Tested	06/08/2025	06/08/2025	06/08/2025
Time Tested	14:30	14:40	14:45
Test Request #/Location	Lot 123	Lot 123	Lot 122
Layer / Reduced Level	Layer 1	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	4
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.93	1.96	1.94
Field Moisture Content %	22.6	21.8	17.1
Field Dry Density (FDD) t/m ³	1.57	1.61	1.67
Peak Converted Wet Density t/m ³	1.89	1.95	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.95
Adj. Optimum Moisture Content % (AS1289.5.4.1)	27.5	26.7	20.9
Adj. Field Moisture Content % (AS1289.5.4.1)	22.6	21.8	16.4
Moisture Ratio % (AS1289.5.4.1)	82.5	81.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	78.5
Moisture Variation (Wv) %	4.5	4.5	**
Adjusted Moisture Variation %	**	**	4.5
Hilf Density Ratio (%)	102.0	100.5	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

Material Test Report

Report Number: D251349-39
Issue Number: 1
Date Issued: 11/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9951
Date Sampled: 07/08/2025
Dates Tested: 07/08/2025 - 08/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1-Level one - 07/08/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9951A	D25-9951B	D25-9951C
Test Number	115	116	117
Date Tested	07/08/2025	07/08/2025	07/08/2025
Time Tested	14:45	14:55	15:00
Test Request #/Location	Penton Avenue	Penton Avenue	Penton Avenue
Easting	289656	289660	289660
Northing	5822156	5822176	5822202
Layer / Reduced Level	Layer 1	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 (%)	11	4	4
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.96	1.86	1.86
Field Moisture Content %	17.4	20.5	19.7
Field Dry Density (FDD) t/m ³	1.70	1.56	1.56
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	1.93	1.83	1.85
Adj. Optimum Moisture Content % (AS1289.5.4.1)	19.6	24.3	23.5
Adj. Field Moisture Content % (AS1289.5.4.1)	15.4	19.6	18.9
Moisture Ratio % (AS1289.5.4.1)	**	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	79.0	81.0	80.5
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	4.0	4.5	4.5
Hilf Density Ratio (%)	101.5	102.0	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: D251349-40
Issue Number: 1
Date Issued: 13/08/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Contact: Craig
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 9964
Date Sampled: 08/08/2025
Dates Tested: 08/08/2025 - 12/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Site Selection: Selected by Client
Location: Tulloh St Estate Stage 1- Level one - 08/08/2025
Material: Clay
Material Source: Onsite



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-9964A	D25-9964B	D25-9964C
Test Number	118	119	120
Date Tested	08/08/2025	08/08/2025	08/08/2025
Time Tested	14:50	15:00	15:05
Test Request #/Location	Jesmond road	Highgarden road	Penton avenue
Easting	289646	289658	289651
Northing	5822217	5822244	5822272
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	7	4
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	**
Field Wet Density (FWD) t/m ³	1.83	1.86	1.82
Field Moisture Content %	21.2	22.0	23.1
Field Dry Density (FDD) t/m ³	1.51	1.54	1.49
Peak Converted Wet Density t/m ³	1.82	**	**
Adjusted Peak Converted Wet Density t/m ³	**	1.85	1.84
Adj. Optimum Moisture Content % (AS1289.5.4.1)	26.0	24.8	26.9
Adj. Field Moisture Content % (AS1289.5.4.1)	21.2	20.3	22.1
Moisture Ratio % (AS1289.5.4.1)	81.5	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	82.0	82.5
Moisture Variation (Wv) %	4.5	**	**
Adjusted Moisture Variation %	**	4.5	4.5
Hilf Density Ratio (%)	100.5	100.5	99.0
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: D251349-41
Issue Number: 1
Date Issued: 01/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10075
Date Sampled: 28/08/2025 9:00
Dates Tested: 28/08/2025 - 29/08/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 28/08/2025
Material: Clay
Material Source: On site



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10075A	D25-10075B	D25-10075C
Test Number	121	122	123
Date Tested	28/08/2025	28/08/2025	28/08/2025
Time Tested	13:15	13:25	13:35
Test Request #/Location	Lot 102	Lot 101	Lot 102
Layer / Reduced Level	Layer 1	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 (%)	15	8	7
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	**
Field Wet Density (FWD) t/m ³	1.86	1.86	1.92
Field Moisture Content %	16.8	17.1	17.6
Field Dry Density (FDD) t/m ³	1.62	1.61	1.65
Peak Converted Wet Density t/m ³	**	**	**
Adjusted Peak Converted Wet Density t/m ³	1.89	1.92	1.93
Adj. Optimum Moisture Content % (AS1289.5.4.1)	18.3	20.0	20.6
Adj. Field Moisture Content % (AS1289.5.4.1)	14.3	15.7	16.3
Moisture Ratio % (AS1289.5.4.1)	**	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	78.0	78.5	79.0
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	4.0	4.0	4.0
Hilf Density Ratio (%)	98.0	97.0	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

Material Test Report

Report Number: D251349-42
Issue Number: 1
Date Issued: 03/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10082
Date Sampled: 29/08/2025 8:30
Dates Tested: 29/08/2025 - 01/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 29/08/2025
Material: Clay
Material Source: On site



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10082A	D25-10082B	D25-10082C
Test Number	124	125	126
Date Tested	29/08/2025	29/08/2025	29/08/2025
Time Tested	11:30	11:40	11:50
Test Request #/Location	Lot 101	Lot 102	Lot 101
Layer / Reduced Level	Layer 3	Layer 3	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	4
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.98	1.86	1.84
Field Moisture Content %	15.8	17.2	15.6
Field Dry Density (FDD) t/m ³	1.71	1.59	1.60
Peak Converted Wet Density t/m ³	1.93	1.87	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.92
Adj. Optimum Moisture Content % (AS1289.5.4.1)	20.4	21.9	19.5
Adj. Field Moisture Content % (AS1289.5.4.1)	15.8	17.2	15.0
Moisture Ratio % (AS1289.5.4.1)	77.5	78.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	77.0
Moisture Variation (Wv) %	4.5	4.5	**
Adjusted Moisture Variation %	**	**	4.5
Hilf Density Ratio (%)	102.0	99.5	96.0
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: D251349-43
Issue Number: 1
Date Issued: 04/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10092
Date Sampled: 01/09/2025 9:00
Dates Tested: 01/09/2025 - 03/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 01/09/2025
Material: Clay
Material Source: On site



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10092A	D25-10092B	D25-10092C
Test Number	127	128	129
Date Tested	01/09/2025	01/09/2025	01/09/2025
Time Tested	14:20	14:30	14:40
Test Request #/Location	Lot 104	Lot 103	Lot 101
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	6
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.85	1.86	1.95
Field Moisture Content %	19.0	19.4	17.6
Field Dry Density (FDD) t/m ³	1.55	1.56	1.67
Peak Converted Wet Density t/m ³	1.81	1.84	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.89
Adj. Optimum Moisture Content % (AS1289.5.4.1)	23.7	24.1	21.2
Adj. Field Moisture Content % (AS1289.5.4.1)	19.0	19.4	16.7
Moisture Ratio % (AS1289.5.4.1)	80.0	80.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	78.5
Moisture Variation (Wv) %	4.5	4.5	**
Adjusted Moisture Variation %	**	**	4.5
Hilf Density Ratio (%)	102.5	101.0	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: D251349-44
Issue Number: 1
Date Issued: 09/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10100
Date Sampled: 02/09/2025 8:45
Dates Tested: 02/09/2025 - 08/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 02/09/2025
Material: Clay
Material Source: On Site



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10100A	D25-10100B	D25-10100C
Test Number	130	131	132
Date Tested	02/09/2025	02/09/2025	02/09/2025
Time Tested	14:08	14:18	14:28
Test Request #/Location	Lot 104	Lot 102	Lot 103
Layer / Reduced Level	Layer 4	Layer 4	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 (%)	4	0	12
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	0	**
Field Wet Density (FWD) t/m ³	1.79	1.84	1.81
Field Moisture Content %	16.9	20.5	15.9
Field Dry Density (FDD) t/m ³	1.54	1.52	1.59
Peak Converted Wet Density t/m ³	**	1.90	**
Adjusted Peak Converted Wet Density t/m ³	1.89	**	1.84
Adj. Optimum Moisture Content % (AS1289.5.4.1)	20.6	25.3	18.1
Adj. Field Moisture Content % (AS1289.5.4.1)	16.2	20.5	14.0
Moisture Ratio % (AS1289.5.4.1)	**	81.0	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	78.5	**	77.0
Moisture Variation (Wv) %	**	4.5	**
Adjusted Moisture Variation %	4.5	**	4.5
Hilf Density Ratio (%)	95.0	97.0	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: D251349-45
Issue Number: 1
Date Issued: 09/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10110
Date Sampled: 03/09/2025 8:30
Dates Tested: 03/09/2025 - 08/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 03/09/2025
Material: Clay
Material Source: On site



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Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10110A	D25-10110B	D25-10110C
Test Number	133	134	135
Date Tested	03/09/2025	03/09/2025	03/09/2025
Time Tested	14:05	14:05	14:05
Test Request #/Location	Lot 113	Lot 109	Lot 107
Layer / Reduced Level	Layer 6	Layer 6	Layer 6
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 (%)	11	7	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	**	0
Field Wet Density (FWD) t/m ³	1.86	1.86	1.78
Field Moisture Content %	20.1	19.9	17.0
Field Dry Density (FDD) t/m ³	1.57	1.57	1.52
Peak Converted Wet Density t/m ³	**	**	1.79
Adjusted Peak Converted Wet Density t/m ³	1.82	1.83	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	22.2	23.1	21.7
Adj. Field Moisture Content % (AS1289.5.4.1)	17.9	18.6	17.0
Moisture Ratio % (AS1289.5.4.1)	**	**	78.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	80.5	80.5	**
Moisture Variation (Wv) %	**	**	5.0
Adjusted Moisture Variation %	4.5	4.5	**
Hilf Density Ratio (%)	102.0	101.5	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

Material Test Report

Report Number: D251349-46
Issue Number: 1
Date Issued: 10/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10125
Date Sampled: 04/09/2025 8:30
Dates Tested: 04/09/2025 - 09/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 04/09/2025
Material: Clay
Material Source: On site



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Approved Signatory: Eranda Hippola
 Laboratory Manager

NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10125D	D25-10125E	D25-10125F
Test Number	136	137	138
Date Tested	04/09/2025	04/09/2025	04/09/2025
Time Tested	14:58	14:58	14:58
Test Request #/Location	Lot 113	Lot 110	Lot 111
Layer / Reduced Level	Layer 6	Layer 6	Layer 6
Thickness of Layer (mm)	250	250	250
Soil Description	Clay	Clay	Clay
Test Depth (mm)	225	225	225
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	1.87	1.87	1.83
Field Moisture Content %	20.4	19.1	17.6
Field Dry Density (FDD) t/m ³	1.55	1.57	1.56
Peak Converted Wet Density t/m ³	1.81	1.89	1.84
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	25.3	23.8	22.3
Adj. Field Moisture Content % (AS1289.5.4.1)	20.4	19.1	17.6
Moisture Ratio % (AS1289.5.4.1)	81.0	80.0	79.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	4.5	4.5	4.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	103.5	99.0	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

Material Test Report

Report Number: D251349-47
Issue Number: 1
Date Issued: 15/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10133
Date Sampled: 05/09/2025 8:30
Dates Tested: 05/09/2025 - 12/09/2025
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 05/09/2025
Material: Clay
Material Source: On Site



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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Eranda Hippola
 Laboratory Manager

NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10133A	D25-10133B	D25-10133C
Test Number	139	140	141
Date Tested	05/09/2025	05/09/2025	05/09/2025
Time Tested	14:01	14:20	14:50
Test Request #/Location	Lot 121	Lot 119	Lot 118
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 (%)	4	0	8
Percentage of Dry Oversize (%) (AS1289.5.4.1)	**	0	**
Field Wet Density (FWD) t/m ³	1.74	1.75	1.83
Field Moisture Content %	35.0	18.1	15.3
Field Dry Density (FDD) t/m ³	1.30	1.48	1.60
Peak Converted Wet Density t/m ³	**	1.74	**
Adjusted Peak Converted Wet Density t/m ³	1.75	**	1.85
Adj. Optimum Moisture Content % (AS1289.5.4.1)	38.8	22.9	18.2
Adj. Field Moisture Content % (AS1289.5.4.1)	33.6	18.1	14.0
Moisture Ratio % (AS1289.5.4.1)	**	79.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	86.5	**	76.5
Moisture Variation (Wv) %	**	5.0	**
Adjusted Moisture Variation %	5.0	**	4.5
Hilf Density Ratio (%)	99.5	101.0	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: D251349-48
Issue Number: 1
Date Issued: 17/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10144
Date Sampled: 08/09/2025 10:00
Dates Tested: 08/09/2025 - 15/09/2025
Sampling Method: AS 1141.3.1 10.1 - Sampling from a placed layer of pavement
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 08/09/2025
Material: Clay
Material Source: On Site



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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Eranda Hippola
 Laboratory Manager
 NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10144A	D25-10144B	D25-10144C
Test Number	142	143	144
Date Tested	08/09/2025	08/09/2025	08/09/2025
Time Tested	15:11	15:20	15:40
Test Request #/Location	Lot 131	Lot 129	Lot 127
Layer / Reduced Level	Layer 9	Layer 9	Layer 9
Thickness of Layer (mm)	300	250	250
Soil Description	Clay	Clay	Clay
Test Depth (mm)	275	225	225
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	5
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	0	**
Field Wet Density (FWD) t/m ³	1.80	1.82	1.84
Field Moisture Content %	17.9	13.2	13.4
Field Dry Density (FDD) t/m ³	1.52	1.60	1.63
Peak Converted Wet Density t/m ³	1.80	1.87	**
Adjusted Peak Converted Wet Density t/m ³	**	**	1.93
Adj. Optimum Moisture Content % (AS1289.5.4.1)	22.7	17.8	17.1
Adj. Field Moisture Content % (AS1289.5.4.1)	17.9	13.2	12.7
Moisture Ratio % (AS1289.5.4.1)	79.0	74.5	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	74.5
Moisture Variation (Wv) %	5.0	4.5	**
Adjusted Moisture Variation %	**	**	4.5
Hilf Density Ratio (%)	99.5	97.0	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: D251349-49
Issue Number: 1
Date Issued: 17/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10152
Date Sampled: 09/09/2025
Dates Tested: 09/09/2025 - 15/09/2025
Sampling Method: AS 1141.3.1 10.1 - Sampling from a placed layer of pavement
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 09/09/2025
Material: Clay
Material Source: On Site



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Approved Signatory: Eranda Hippola
 Laboratory Manager
 NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10152A	D25-10152B	D25-10152C
Test Number	145	146	147
Date Tested	09/09/2025	09/09/2025	09/09/2025
Time Tested	13:11	13:25	13:40
Test Request #/Location	Lot 123	Lot 124	Lot 125
Layer / Reduced Level	Layer 4	Layer 6	Layer 6
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	5	0
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	0
Field Wet Density (FWD) t/m ³	1.90	1.88	1.87
Field Moisture Content %	18.2	19.9	17.2
Field Dry Density (FDD) t/m ³	1.61	1.58	1.59
Peak Converted Wet Density t/m ³	1.88	**	1.84
Adjusted Peak Converted Wet Density t/m ³	**	1.86	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	22.9	23.5	21.9
Adj. Field Moisture Content % (AS1289.5.4.1)	18.2	18.8	17.2
Moisture Ratio % (AS1289.5.4.1)	79.5	**	78.5
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	80.0	**
Moisture Variation (Wv) %	4.5	**	4.5
Adjusted Moisture Variation %	**	4.5	**
Hilf Density Ratio (%)	101.5	101.0	101.5
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: D251349-50
Issue Number: 1
Date Issued: 17/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10162
Date Sampled: 10/09/2025 13:10
Dates Tested: 10/09/2025 - 16/09/2025
Sampling Method: AS 1141.3.1 10.1 - Sampling from a placed layer of pavement
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 10/09/2025
Material: Clay
Material Source: On Site



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Approved Signatory: Eranda Hippola
 Laboratory Manager
 NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10162A	D25-10162B	D25-10162C
Test Number	148	149	150
Date Tested	10/09/2025	10/09/2025	10/09/2025
Time Tested	14:07	14:27	14:47
Test Request #/Location	Prenton Avenue	Widecombe Way	Jesmond Road
Layer / Reduced Level	Layer 3	Layer 3	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	4	4
Percentage of Dry Oversize (%) (AS1289.5.4.1)	0	**	**
Field Wet Density (FWD) t/m ³	1.91	1.90	1.90
Field Moisture Content %	24.5	23.4	23.3
Field Dry Density (FDD) t/m ³	1.54	1.56	1.55
Peak Converted Wet Density t/m ³	1.87	**	**
Adjusted Peak Converted Wet Density t/m ³	**	1.90	1.89
Adj. Optimum Moisture Content % (AS1289.5.4.1)	29.4	27.0	26.9
Adj. Field Moisture Content % (AS1289.5.4.1)	24.5	22.4	22.3
Moisture Ratio % (AS1289.5.4.1)	83.0	**	**
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	83.0	82.5
Moisture Variation (Wv) %	4.5	**	**
Adjusted Moisture Variation %	**	4.5	4.5
Hilf Density Ratio (%)	102.0	100.0	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: D251349-51
Issue Number: 1
Date Issued: 18/09/2025
Client: Lojac Civil Pty Ltd
 35/148 Chesterville Road, Moorabbin Vic 3189
Project Number: D251349
Project Name: TULLOH ST ESTATE STAGE 1 - LEVEL ONE
Project Location: MELTON
Work Request: 10168
Date Sampled: 11/09/2025 13:30
Dates Tested: 11/09/2025 - 17/09/2025
Sampling Method: AS 1141.3.1 10.1 - Sampling from a placed layer of pavement
Specification: 95% STD
Location: Tulloh Estate Stage 1 - Level One - 11/09/2025
Material: Clay
Material Source: On Site



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Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Eranda Hippola
 Laboratory Manager

NATA Accredited Laboratory Number: 15357

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1 & RC 330.04			
Sample Number	D25-10168A	D25-10168B	D25-10168C
Test Number	151	152	153
Date Tested	11/09/2025	11/09/2025	11/09/2025
Time Tested	13:10	13:30	13:45
Test Request #/Location	Jesmond Road	Valley Road	Highgarden Road
Layer / Reduced Level	Layer 3	Layer 6	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)	0	0	0
Field Wet Density (FWD) t/m ³	1.98	1.97	1.96
Field Moisture Content %	30.7	31.0	28.9
Field Dry Density (FDD) t/m ³	1.51	1.50	1.52
Peak Converted Wet Density t/m ³	1.93	1.95	1.93
Adjusted Peak Converted Wet Density t/m ³	**	**	**
Adj. Optimum Moisture Content % (AS1289.5.4.1)	33.3	33.8	31.4
Adj. Field Moisture Content % (AS1289.5.4.1)	30.7	31.0	28.9
Moisture Ratio % (AS1289.5.4.1)	92.0	91.5	92.0
Adjusted Moisture Ratio % (AS1289.5.4.1)	**	**	**
Moisture Variation (Wv) %	2.5	2.5	2.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	102.5	101.0	101.5
Compaction Method	Standard	Standard	Standard
Remarks	**	**	**

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 101

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 101 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 102

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 102 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 103

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 103 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 104

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 104 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 105

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 105 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 106

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 106 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 107

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 107 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 108

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 108 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 109

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 109 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 110

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 110 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 111

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 111 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 112

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 112 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 113

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 113 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 114

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 114 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 115

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 115 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 116

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 116 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 117

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 117 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 118

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 118 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 119

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 119 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 120

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 120 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 121

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 121 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 122

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 122 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 123

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 123 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 124

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 124 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 125

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 125 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 126

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 126 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 127

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 127 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

A GITA Inspection Verification report (Reference: D251349A) has been published on 12 Nov 2025 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 128

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 128 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 129

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 129 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 130

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 130 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 131

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 131 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 132

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 132 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
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- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 133

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 133 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 134

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 134 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 135

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 135 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
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For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 136

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 136 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 137

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 137 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 138

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 138 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "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" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m² in area and across several house lots.

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For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 139

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 139 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
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For and on behalf of
Terra Firma Laboratories



Eranda Hippola
Laboratory Manager

12 Nov 2025

TO WHOM IT MAY CONCERN

Re: TULLOH ST ESTATE Stage 1
Cobblebank
LOT 140

Terra Firma Laboratories was engaged by LOJAC CIVIL Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for TULLOH ST ESTATE, Stage 1, Cobblebank in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.

Lot LOT 140 as defined in drawing Ref 23862E/P1/1 from *REEDS Consulting*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 200mm below finished surface level. The final 200mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
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For and on behalf of

Terra Firma Laboratories



Eranda Hippola
Laboratory Manager