C&T
CONSULTING ENGINEERS

Alamora Estate, Stage 32
Tarneit, Victoria

Level 1 Inspection & Testing Report

2 September 2026

2 September 2026

Winslow Constructors Pty Ltd

50 Barry Road

Campbellfield, VIC 3061

Level 1 Inspection & Testing Report

Alamora Estate, Stage 32, Tarneit, Victoria

C&T Consulting Engineers has prepared this report to summarise the Level 1 Inspection & Testing activities conducted for the abovementioned project.

Distribution

Original held by	C&T Consulting Engineers
1 electronic copy	Winslow Constructors
1 electronic copy	C&T Geotechnical (Melbourne)

This report is detailed for the sole use of the intended recipient(s). Should you have any questions related to this report please do not hesitate to contact the undersigned.

For and on behalf of C&T Consulting Engineers

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1. Introduction

This report presents the results of the Level 1 inspection activities, compaction control services and laboratory testing services completed for the Alamora Estate, Stage 32 located in Tarneit (the site).

2. Project Background

C&T Geotechnical (Melbourne) was engaged to provide Level 1 Inspection and testing services for the construction of fill materials within the proposed residential allotments. Authorisation to proceed was provided by Winslow Constructors (the 'Client') who were the nominated earthworks contractors.

Level 1 Inspection & Testing, as defined in AS3798 (2007) Guidelines on Earthworks for Commercial and Residential Developments provides for full time inspection of the construction of controlled fill and compaction testing in accordance with AS1289 Methods of Testing Soils for Engineering Purposes and AS1726 (2017) Geotechnical Site Investigations.

C&T Geotechnical (Melbourne) performed the role of the project Geotechnical Inspection & Testing Authority (GITA) with all Level 1 Inspection and Testing services undertaken by an experienced GITA site representative.

3. Scope of Works

3.1 Areas & Duration of Works

This report covers Level 1 Inspection & Testing commencing on 22 January 2026 and completed on 5 May 2026, completed over eight days. The filling works generally took place in the areas shown on Figure 1:

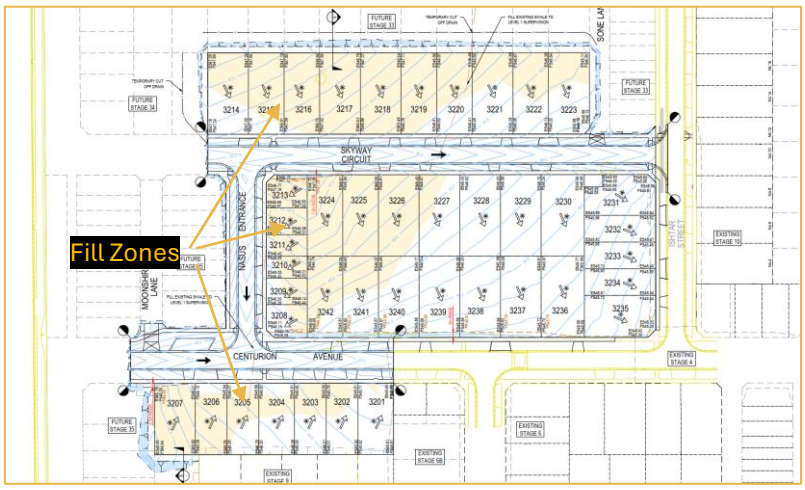

Figure 1: Moisture Conditioning During Fill Placement (Source: C&T)

3.2 Placement Methodology

A geotechnical bulk earthworks specification was not available for the project. The placement of the controlled fill on the above-mentioned areas was carried out in general accordance with the guidelines presented in AS3798 (2007) Guidelines on Earthworks for Commercial & Residential Developments.

The fill placement methodology for the works generally involved:

1) preparing the base by stripping all loose surficial fill, soft material, vegetation, and materials containing significant organic matter to expose a natural subgrade comprising residual Newer Volcanic Group deposits

2) scarifying and moisture conditioning the stripped subgrade

3) proof rolling the subgrade using a fully loaded dump truck under inspection by the project GITA

4) removing oversize particles and unsuitable materials from the fill matrix

5) placing approved fill material in loose, horizontal layers not exceeding 150 mm - 200 mm in thickness

6) moisture conditioning the fill to within +/- 3 % of the Standard Optimum Moisture Content (SOMC)

7) compacting the fill to achieve a target density ratio of not less than 95 % Standard Compaction

8) completing field density testing at a frequency for large scale developments (Type 1 AS3798) which nominates a frequency of the following:

    - one test per layer or 200 mm per 2500 m^2
    - one test per 500 m^3 distributed reasonably evenly throughout the full depth and area, or
    - three tests per site visit; whichever requires the most tests
    - it should be noted that a minimum frequency of one field density test per lot was requested by the project contractors.

4. Level 1 Inspection & Testing Results

4.1 Subgrade Preparation

Subgrade preparation works commenced prior to CTGM's arrival, with some areas completed progressively over the course of the works. The fill placement zones generally required stripping of topsoil, vegetation and organics.

Scrapers were used to carry out the site stripping until a base comprising residual Newer Volcanic Group Silty CLAY / CLAY (CH), high plasticity, dark brown was achieved. Varying proportions of sand and gravel, as well as BASALT boulders were observed in the base soils.

The subgrade was subsequently scarified, moisture conditioned and proof rolled using a fully loaded water cart. No soft spots, deflections, springing or rutting was observed and the subgrade was considered suitable for fill placement.

Figure 1: Subgrade Preparation (Source: C&T)

4.2 Fill Source Materials

Fill source materials were nominated by the project contractors and are understood to comprise site won material from local stages within the development. The fill was sourced from onsite stockpiles understood to have been generated from localised site cuts / road boxing.

4.3 Inspection of Fill Source Materials

C&T performed a visual assessment of the fill source materials for the following:

1) identifying fill material suitability (engineering properties) including cohesion and composition
2) observing building debris and vegetative matter
3) observing oversize rock particles

4) examining the fill moisture.

4.3.1 Material Suitability

The fill materials were noted to be compliant with AS3798 Section 4.0 for the intent and purpose of general filling. The materials typically comprised Gravelly CLAY / Silty CLAY (CH), high plasticity, dark brown with sand and gravel.

4.3.2 Building Debris & Vegetative Matter

Building debris and vegetative matter were not observed in the nominated fill material.

4.3.3 Oversize Particles

Basalt boulders and cobbles were intermittently encountered during fill placement; and were sidecasted during placement / spreading, at the instruction of the onsite GITA. Basalt cobble inclusions were observed within the fill matrix, however were generally less than two-thirds of the nominated layer thickness.

4.3.4 Fill Moisture

The fill was assessed to range between the wet to dry side of the inferred optimum moisture content (OMC), typically dependent on climatic conditions during the works (rain / fine weather).

4.4 Fill Construction

The contractor had the following plant available for the construction of the engineered fill:

1. 815 Compactor
2. Excavator
3. Grader
4. Scraper
5. Water Carts
6. Dump Trucks.

4.4.1 Climate

Weather conditions ranged between fine / sunny to overcast / rainy over the course of the works.

4.4.2 Filling Process

The filling process was generally consistent throughout the project. The fill materials were spread over

the fill placement zones using the scrapers, excavators and graders into thin layers not exceeding 150 mm – 200 mm thick. The 815 Compactor was used to compact each layer of fill, applying a minimum of 8 – 12 passes per layer observed.

A water cart was used to moisture condition the fill during placement where required. The thin layers of fill were compacted to achieve a composite layer measuring approximately 150 mm thick. Field density testing was carried out on each composite layer at a frequency of one test per lot.

Figure 2: Moisture Conditioning During Fill Placement (Source: C&T)

Figure 3: Fill Compaction (Source: C&T)

4.5 Compaction Control & Moisture Testing Results

Throughout the filling process and / or at the completion of the day's production, compaction control testing was performed to assess the achieved density ratio of each layer. The onsite GITA nominated the location and performed each test. Testing comprised field density tests using a nuclear moisture-density gauge and rapid HILF compaction tests in C&T Geotechnical's NATA accredited testing laboratory (AS1289 5.8.1 and AS1289 5.7.1).

A summary of the field density tests performed for the project is presented in **Appendix A**. Field density and compaction control testing report sheets are presented in **Appendix B** which also includes test location plans. It should be noted that the tests are a representation of the fill placed and support the visual assessment of the works completed.

Test S9 and S10 failed to achieve the adopted moisture variation of + / - 3 % of OMC. Test S11 failed to achieve the target density ratio of 95 % Standard Compaction. These test areas were subsequently reworked, moisture conditioned, recompacted and re-tested with compliant test results achieved (retests S12, S13 & S34, respectively).

All other tests (including the associated re-tests) achieved the minimum target density ratio of 95 % Standard Compaction and adopted moisture variation of within + / - 3 % of OMC.

4.6 Compliance Statement

C&T Geotechnical (Melbourne) has undertaken Level 1 Inspection and Testing services for the construction of the fill in the aforementioned areas. **Based on observations made and the results of density tests, it is considered that the controlled fill placed has been constructed in accordance with the guidelines provided by AS3798 (2007).**

5. Post-Earthworks Maintenance & Operational Considerations

5.1 Post-Filling Condition Monitoring & Maintenance

Upon completion of earthworks and issuance of this Level 1 Inspection & Testing report, the following considerations must be observed by the built form team to ensure the long-term performance of the fill platform:

1) **soft spot development**: localised softening or disturbances may occur due to:
    - climatic influences
    - temporary water ponding (e.g. in footings, road boxing or similar)
    - construction traffic
    - inadequate surface drainage.

These are not indicative of fill performance failure but are typically the result of environmental or construction operational factors. The remediation of soft spots caused by insufficient maintenance is to be managed by the site operator/owner in accordance with their geotechnical engineer's guidance.

2) **maintenance responsibility**: any softening or surface degradation observed after final proof rolling or handover is considered a maintenance requirement

3) **drainage management**: it is strongly advised that surface drainage be established and maintained effectively to prevent water ingress into the fill materials

4) **intrusive investigations**: any post-completion intrusive geotechnical investigations (e.g. trial pits or boreholes) may compromise the compaction and integrity of the fill
    - such activities must be carefully planned and documented, particularly if undertaken by third parties

- any intrusive works within the engineered fill (e.g. trial pits, boreholes or service excavations) must include appropriate reinstatement and recompaction to maintain the integrity of the fill. Failure to do so may affect the performance of the fill platform.

5.2 As Built Survey Requirements

1) an as-built survey of engineered fill levels is a critical component of the handover documentation

2) this survey must be provided by the project contractor, as it falls outside the scope of the Level 1 Inspection & Testing report.

6. Closure

Should you have any questions related to this report please do not hesitate to contact the undersigned.

For and on behalf of C&T Consulting Engineers

Gee Singh (RPEng), Director

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(m) 0404 879 558

7. Statement of Limitations

This report has been prepared by C&T Consulting Engineers exclusively for the commissioning client and the project described. The scope of work was limited to the services outlined herein and does not include investigation of all possible site conditions or risks.

Findings, opinions, and recommendations are based on conditions observed during limited sampling, testing, and fieldwork at the time of investigation. Subsurface conditions may vary across the site, and changes can occur after the investigation. No warranty is given that conditions described are representative of the entire site or future conditions.

If site conditions encountered during works differ from those described, C&T Consulting Engineers must be contacted promptly for reassessment and advice. Reliance on this report without such consultation is at the user's risk.

Where information has been provided by the client or third parties, it is assumed to be correct unless otherwise stated. C&T Consulting Engineers accepts no liability for errors, omissions, or misinterpretations arising from such information.

The advice in this report is based on information available at the time of preparation. C&T Consulting Engineers has no ongoing obligation to update or revise this document unless separately engaged.

Plans, diagrams, and sketches included are for illustrative purposes only and should not be used for construction or detailed design without independent verification.

This report is intended for the commissioning client's use for the stated project only. No responsibility is accepted for use by other parties or for other purposes. This report must not be altered or reproduced except in full without written approval.

Appendix A – Field Density Testing Summary

Project Summary Report

Report Date: 02/09/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Project Location:
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Test Methods: AS 1289 5.7.1 STD & 5.8.1 & 2.1.1

GEOTECHNICAL
C & T Geotechnical (Melbourne) Pty Ltd
47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
Email: Tim@ctgeotech.com.au

Lot #	Sample #	Date Sampled	Location	Easting	Northing	Elevation (m)	Layer	Relative Compaction (%)	Moisture Variation (%)	Moisture Content (%)	Field Wet Density (t/m3)
**	0341-S1	17/03/2026	Lot 3201	291819	5808738	**	1 (150mm)	103.5	1.5	24.7	1.90
**	0341-S2	17/03/2026	Lot 3202	291810	5808740	**	1 (150mm)	99.0	-0.5	28.2	1.87
**	0341-S3	17/03/2026	Lot 3203	291797	5808742	**	1 (150mm)	101.0	0.0	28.3	1.90
**	0341-S4	17/03/2026	Lot 3204	291784	5808743	**	2 (300mm)	102.5	0.0	31.1	1.89
**	0341-S5	17/03/2026	Lot 3205	291771	5808747	**	2 (300mm)	101.0	0.0	30.3	1.85
**	0341-S6	17/03/2026	Lot 3206	291757	5808749	**	2 (300mm)	103.0	3.0	24.5	1.88
**	0341-S8	19/03/2026	Lots 3215	291792	5808876	**	1	98.5	0.0	25.3	1.93
**	0341-S9	19/03/2026	Lots 3217	291814	5808872	**	1	104.5	-4.5	28.7	1.98
**	0341-S7	19/03/2026	Lots 3214	291782	5808880	**	1	102.0	0.5	27.7	1.95
**	0341-S10	23/03/2026	Lot 3242	291817	5808817	**	1	100.5	4.0	22.2	1.84
**	0341-S11	23/03/2026	Lot 3240	291827	5808799	**	1	92.5	0.5	26.0	1.82
**	0341-S12	01/05/2026	Retestof sample #9	291809	5808824	**	FSL	102.0	-0.5	23.1	1.98
**	0341-S13	01/05/2026	Retestof sample #10	291825	5808819	**	FSL	100.5	0.0	26.9	1.97
**	0341-S14	01/05/2026	Lot. 3224	291823	5808807	**	FSL	101.5	-0.5	26.4	1.97
**	0341-S15	01/05/2026	Lot 3225	291821	5808808	**	FSL	99.5	-0.5	23.8	1.98
**	0341-S16	01/05/2026	Lot 3226	291816	5808807	**	FSL	101.0	-3.0	29.6	1.97
**	0341-S17	04/05/2026	Lot 3215	291796	5808878	**	FSL	98.0	1.5	25.8	2.01
**	0341-S18	04/05/2026	Lot 3218	291836	5808874	**	FSL	100.5	2.0	24.9	2.02
**	0341-S19	04/05/2026	Lot 3221	291870	5808868	**	FSL	98.5	2.5	27.8	2.00
**	0341-S20	05/05/2026	Lot 3216	291798	5808876	**	FSL	104.0	1.0	25.2	1.95
**	0341-S21	05/05/2026	Lot 3219	291794	5808872	**	FSL	105.0	-0.5	28.4	1.96
**	0341-S22	05/05/2026	Lot 3222	291791	5808870	**	FSL	109.0	-0.5	28.5	2.03
**	0341-S23	27/08/2026	Lot 3207	291742	5808751	**	FSL	103.0	-3.5	30.8	2.00
**	0341-S24	27/08/2026	Lot 3208	291795	5808783	**	FSL	97.5	-3.0	26.6	1.96
**	0341-S25	27/08/2026	Lot 3209	291799	5808795	**	FSL	96.0	-2.0	22.4	1.95
**	0341-S26	27/08/2026	Lot 3210	291801	5808804	**	FSL	100.0	-3.0	29.7	1.97
**	0341-S27	27/08/2026	Lot 3211	291802	5808813	**	FSL	101.5	-1.0	27.4	1.98
**	0341-S28	27/08/2026	Lot 3212	291806	5808821	**	FSL	99.5	-2.5	29.6	1.96
**	0341-S29	27/08/2026	Lot 3213	291808	5808831	**	FSL	100.0	-3.5	30.2	1.97
**	0341-S30	27/08/2026	Lot 3220	291868	5808849	**	FSL	99.0	-2.5	25.1	1.98
**	0341-S31	27/08/2026	Lot 3223	291910	5808846	**	FSL	103.5	-0.5	25.6	2.01
**	0341-S32	27/08/2026	Lot 3227	291846	5808827	**	FSL	99.0	-3.0	29.3	1.96
**	0341-S33	27/08/2026	Lot 3241	291809	5808782	**	FSL	99.5	-1.5	27.6	1.95
**	0341-S34	01/09/2026	Lot 3240 (retest S11)	291827	5808799	**	1	99.0	-2.5	24.0	1.96

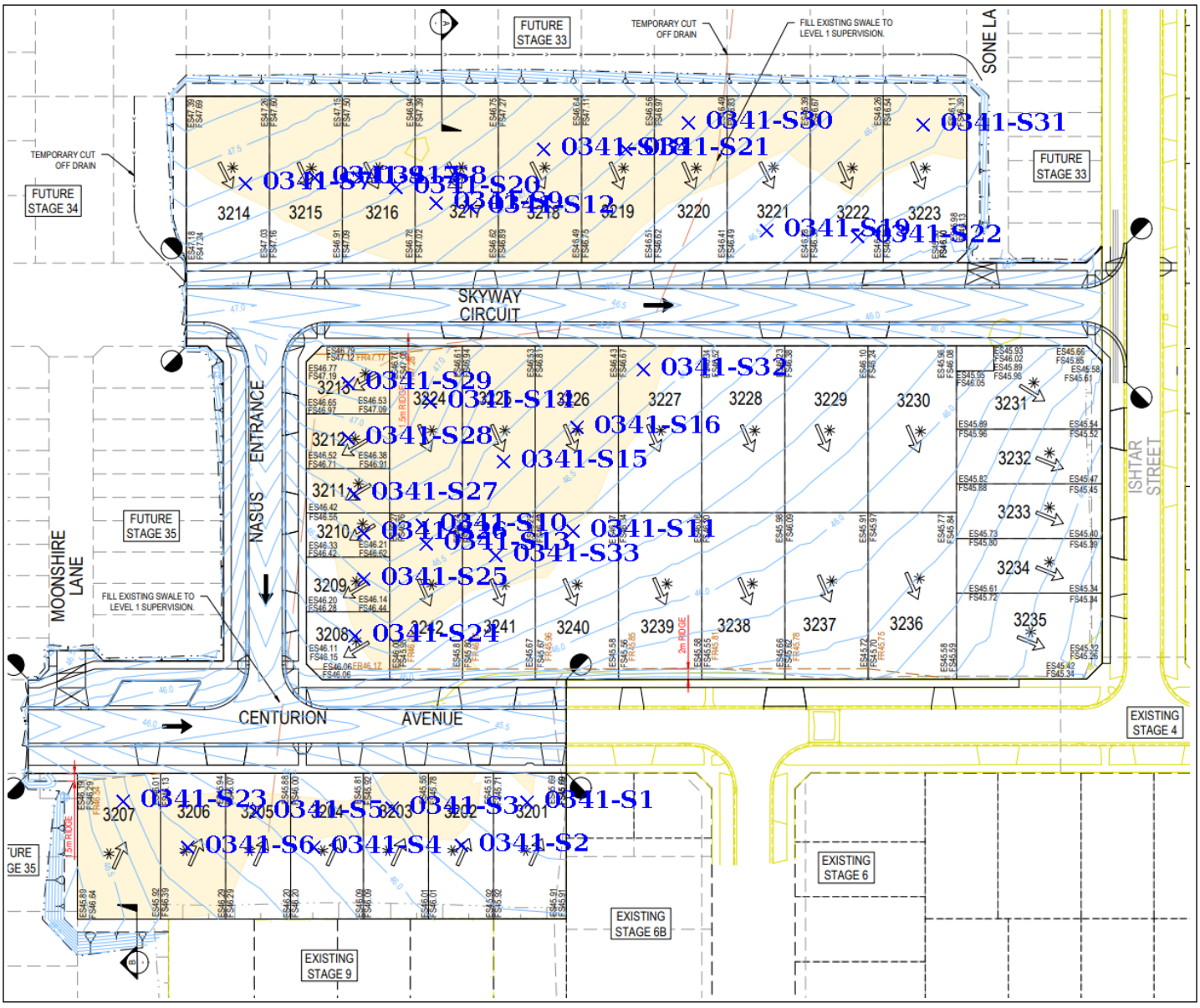
Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Appendix B – Field Density Test Reports

Material Test Report

Report Number: **CTG0341-2**
Issue Number: 1
Date Issued: 24/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 2037
Date Sampled: 17/03/2026 11:00
Dates Tested: 17/03/2026 - 23/03/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Site Selection: Selected by Client
Material: gravelly CLAY, medium to high plasticity, grey/brown
Material Source: Onsite Stockpile

C & T Geotechnical (Melbourne) Pty Ltd
47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
Email: Tim@ctgeotech.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Tim Senserrick
Managing Director

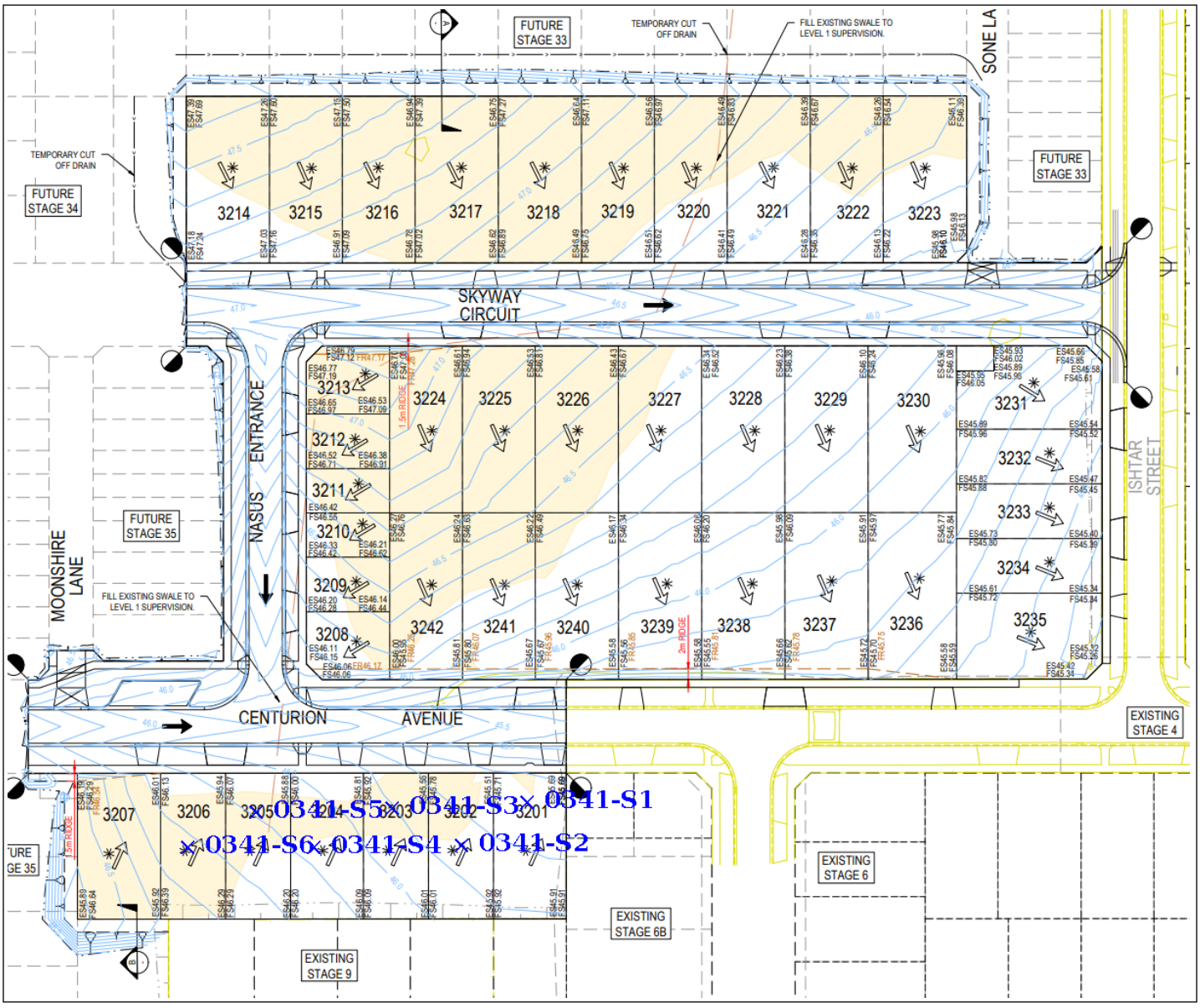
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	0341-S1	0341-S2	0341-S3	0341-S4	0341-S5	0341-S6
Date Tested	17/03/2026	17/03/2026	17/03/2026	17/03/2026	17/03/2026	17/03/2026
Time Tested	14:00	14:10	14:20	15:20	15:30	15:40
Test Request #/Location	Lot 3201	Lot 3202	Lot 3203	Lot 3204	Lot 3205	Lot 3206
Easting	291819	291810	291797	291784	291771	291757
Northing	5808738	5808740	5808742	5808743	5808747	5808749
Layer / Reduced Level	1 (150mm)	1 (150mm)	1 (150mm)	2 (300mm)	2 (300mm)	2 (300mm)
Thickness of Layer (mm)	150	150	150	150	150	150
Soil Description	gravelly CLAY, medium to high plasticity, grey/bro	gravelly CLAY, medium to high plasticity, grey/bro	gravelly CLAY, medium to high plasticity, grey/bro	gravelly CLAY, medium to high plasticity, grey/bro	gravelly CLAY, medium to high plasticity, grey/bro	gravelly CLAY, medium to high plasticity, grey/bro
Test Depth (mm)	125	125	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0	0	0	0
Field Wet Density (FWD) t/m^3	1.90	1.87	1.90	1.89	1.85	1.88
Field Moisture Content %	24.7	28.2	28.3	31.1	30.3	24.5
Field Dry Density (FDD) t/m^3	1.53	1.46	1.48	1.44	1.42	1.51
Peak Converted Wet Density t/m^3	1.84	1.89	1.88	1.84	1.83	1.83
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	1.5	-0.5	0.0	0.0	0.0	3.0
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**103.5**	**99.0**	**101.0**	**102.5**	**101.0**	**103.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0341-1**
Issue Number: 1
Date Issued: 23/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 2054
Date Sampled: 19/03/2026 8:00
Dates Tested: 19/03/2026 - 23/03/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Site Selection: Selected by Client
Location: Werribee
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

GEOTECHNICAL

C & T Geotechnical (Melbourne) Pty Ltd
47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
Email: Tim@ctgeotech.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

NATA WORLD RECOGNISED ACCREDITATION

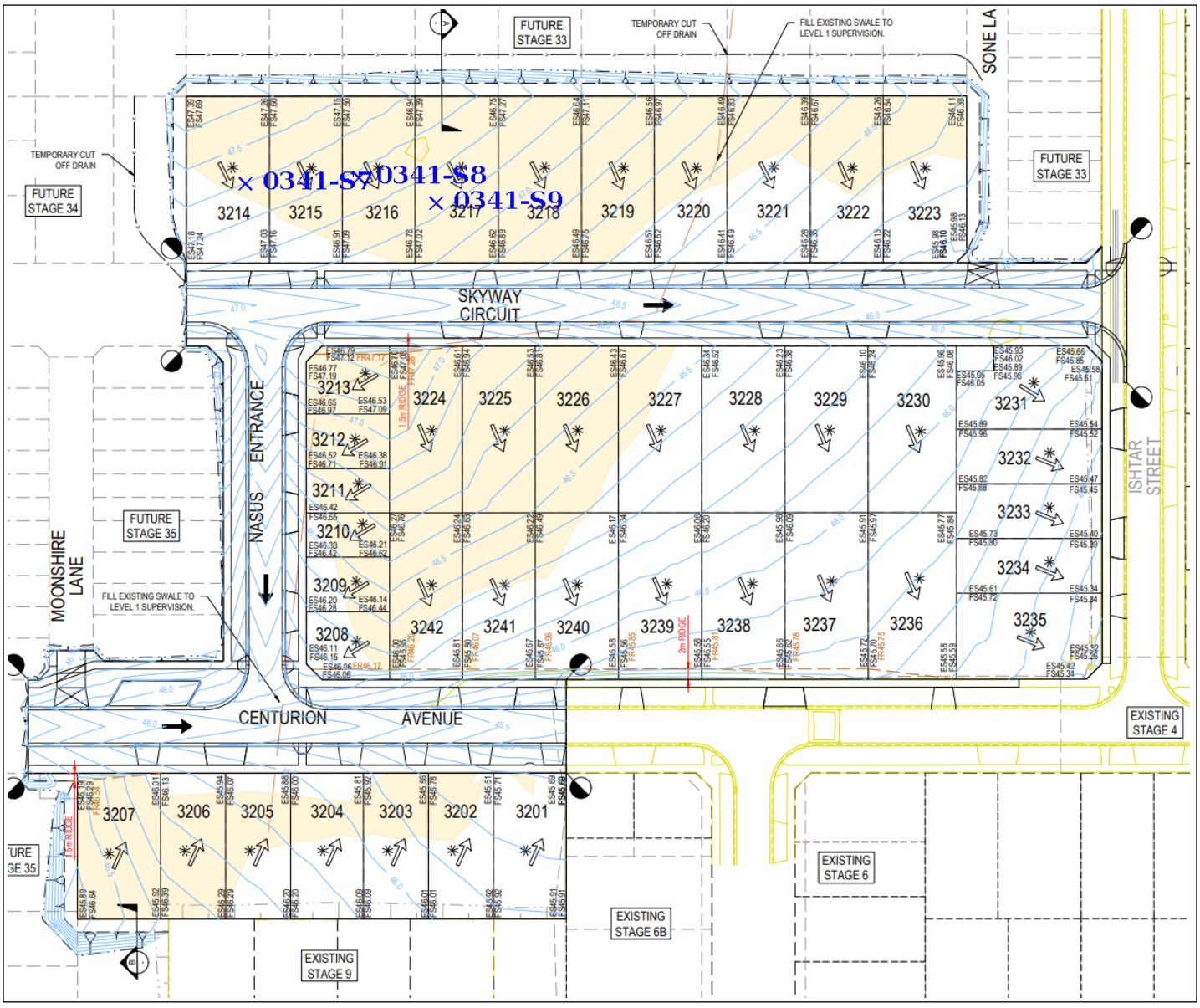
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0341-S7	0341-S8	0341-S9
Date Tested	19/03/2026	19/03/2026	19/03/2026
Time Tested	12:14	**	**
Test Request #/Location	Lots 3214	Lots 3215	Lots 3217
Easting	291782	291792	291814
Northing	5808880	5808876	5808872
Layer / Reduced Level	1	1	1
Thickness of Layer (mm)	150	150	150
Soil Description	gravelly CLAY, med-high plasticity, brown/grey	gravelly CLAY, med-high plasticity, brown/grey	gravelly CLAY, med-high plasticity, brown/grey
Test Depth (mm)	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	4	5	3
Field Wet Density (FWD) t/m^3	1.95	1.93	1.98
Field Moisture Content %	27.7	25.3	28.7
Field Dry Density (FDD) t/m^3	1.53	1.54	1.54
Peak Converted Wet Density t/m^3	**	**	**
Adjusted Peak Converted Wet Density t/m^3	1.92	1.96	1.90
Moisture Variation (Wv) %	**	**	**
Adjusted Moisture Variation %	0.5	0.0	-4.5
Hilf Density Ratio (%)	**102.0**	**98.5**	**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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0341-3**
Issue Number: 1
Date Issued: 26/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 2083
Date Sampled: 23/03/2026 12:30
Dates Tested: 23/03/2026 - 25/03/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Site Selection: Selected by Client
Location: Tarneit
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

GEOTECHNICAL
C & T Geotechnical (Melbourne) Pty Ltd
47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
Email: Tim@ctgeotech.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

NATA WORLD RECOGNISED ACCREDITATION

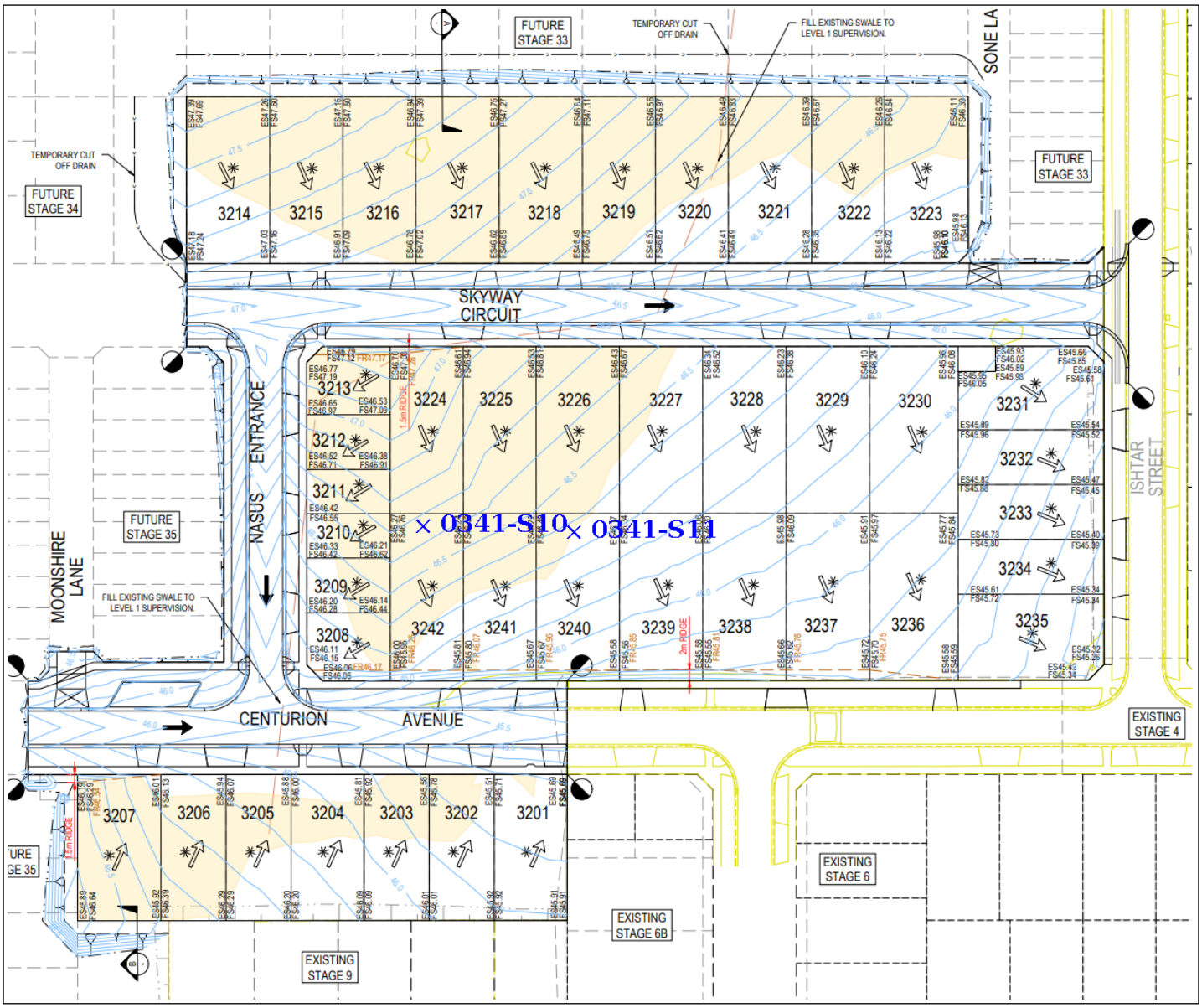
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0341-S10	0341-S11	
Date Tested	23/03/2026	23/03/2026	
Time Tested	15:17	15:31	
Test Request #/Location	Lot 3242	Lot 3240	
Easting	291817	291827	
Northing	5808817	5808799	
Layer / Reduced Level	1	1	
Thickness of Layer (mm)	150	150	
Soil Description	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	
Test Depth (mm)	125	125	
Sieve used to determine oversize (mm)	19.0	19.0	
Percentage of Wet Oversize (%)	0	5	
Field Wet Density (FWD) t/m^3	1.84	1.82	
Field Moisture Content %	22.2	26.0	
Field Dry Density (FDD) t/m^3	1.51	1.44	
Peak Converted Wet Density t/m^3	1.83	**	
Adjusted Peak Converted Wet Density t/m^3	**	1.97	
Moisture Variation (Wv) %	4.0	**	
Adjusted Moisture Variation %	**	0.5	
Hilf Density Ratio (%)	**100.5**	**92.5**	
Compaction Method	**Standard**	**Standard**	
Remarks	**	**	

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0341-4**
Issue Number: 1
Date Issued: 07/05/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 2355
Date Sampled: 01/05/2026 7:00
Dates Tested: 01/05/2026 - 07/05/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Site Selection: Selected by Client
Location: Tarneit
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

GEOTECHNICAL
C & T Geotechnical (Melbourne) Pty Ltd
47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
Email: Tim@ctgeotech.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

NATA WORLD RECOGNISED ACCREDITATION

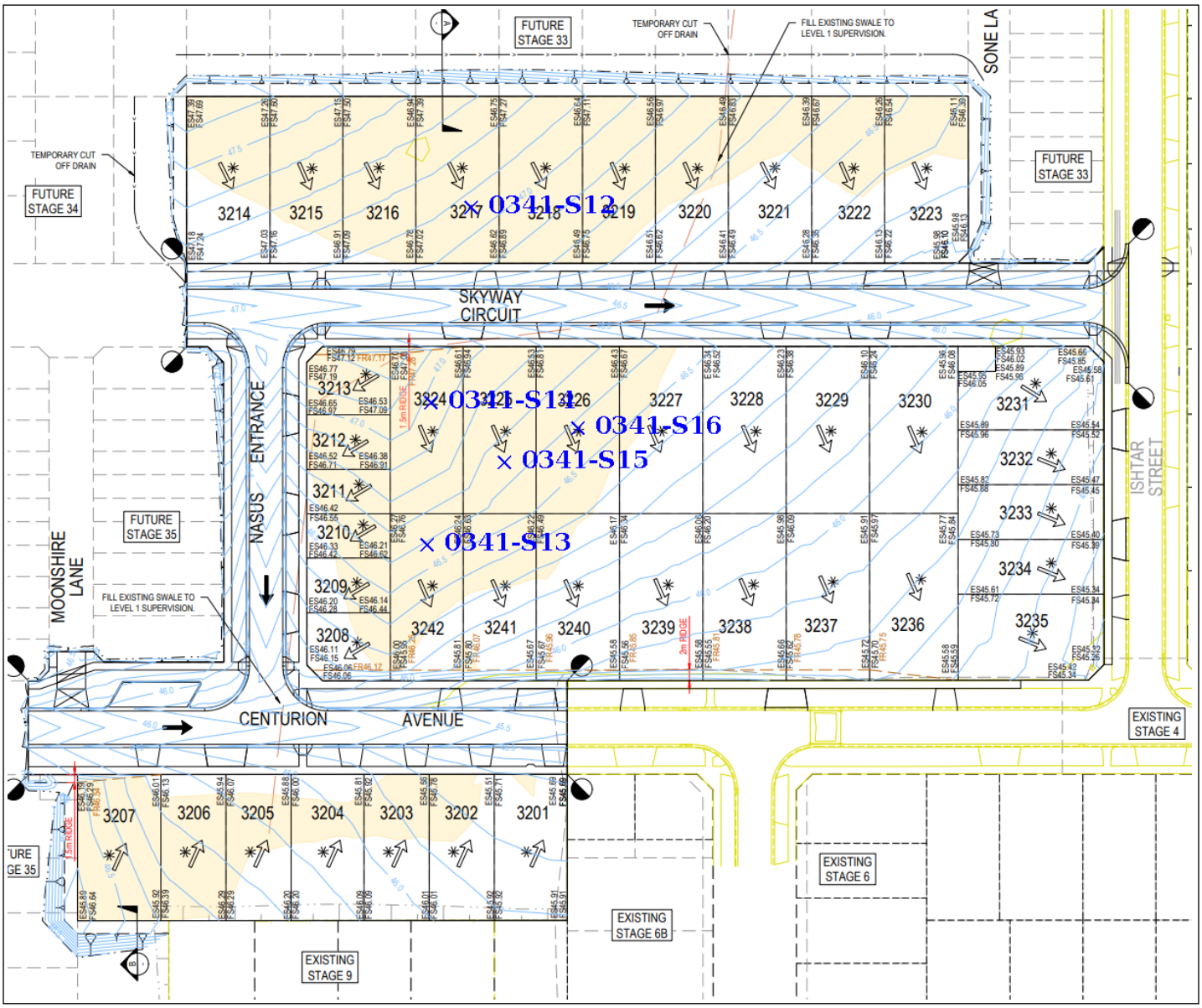
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	0341-S12	0341-S13	0341-S14	0341-S15	0341-S16
Date Tested	01/05/2026	01/05/2026	01/05/2026	01/05/2026	01/05/2026
Time Tested	13:28	13:35	13:45	13:51	13:59
Test Request #/Location	Retestof sample #9	Retestof sample #10	Lot. 3224	Lot 3225	Lot 3226
Easting	291809	291825	291823	291821	291816
Northing	5808824	5808819	5808807	5808808	5808807
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	150	150	150	150	150
Soil Description	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown
Test Depth (mm)	125	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	1	3	0	0
Field Wet Density (FWD) t/m^3	1.98	1.97	1.97	1.98	1.97
Field Moisture Content %	23.1	26.9	26.4	23.8	29.6
Field Dry Density (FDD) t/m^3	1.61	1.55	1.56	1.60	1.52
Peak Converted Wet Density t/m^3	1.94	**	**	1.99	1.95
Adjusted Peak Converted Wet Density t/m^3	**	1.95	1.95	**	**
Moisture Variation (Wv) %	-0.5	**	**	-0.5	-3.0
Adjusted Moisture Variation %	**	0.0	-0.5	**	**
Hilf Density Ratio (%)	**102.0**	**100.5**	**101.5**	**99.5**	**101.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0341-6**
Issue Number: 1
Date Issued: 31/08/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 2385
Date Sampled: 04/05/2026 7:00
Dates Tested: 04/05/2026 - 11/05/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Site Selection: Selected by Client
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Stockpiles

GEOTECHNICAL

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47A Assembly Drive Tullamarine VIC 3043
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NATA WORLD RECOGNISED ACCREDITATION

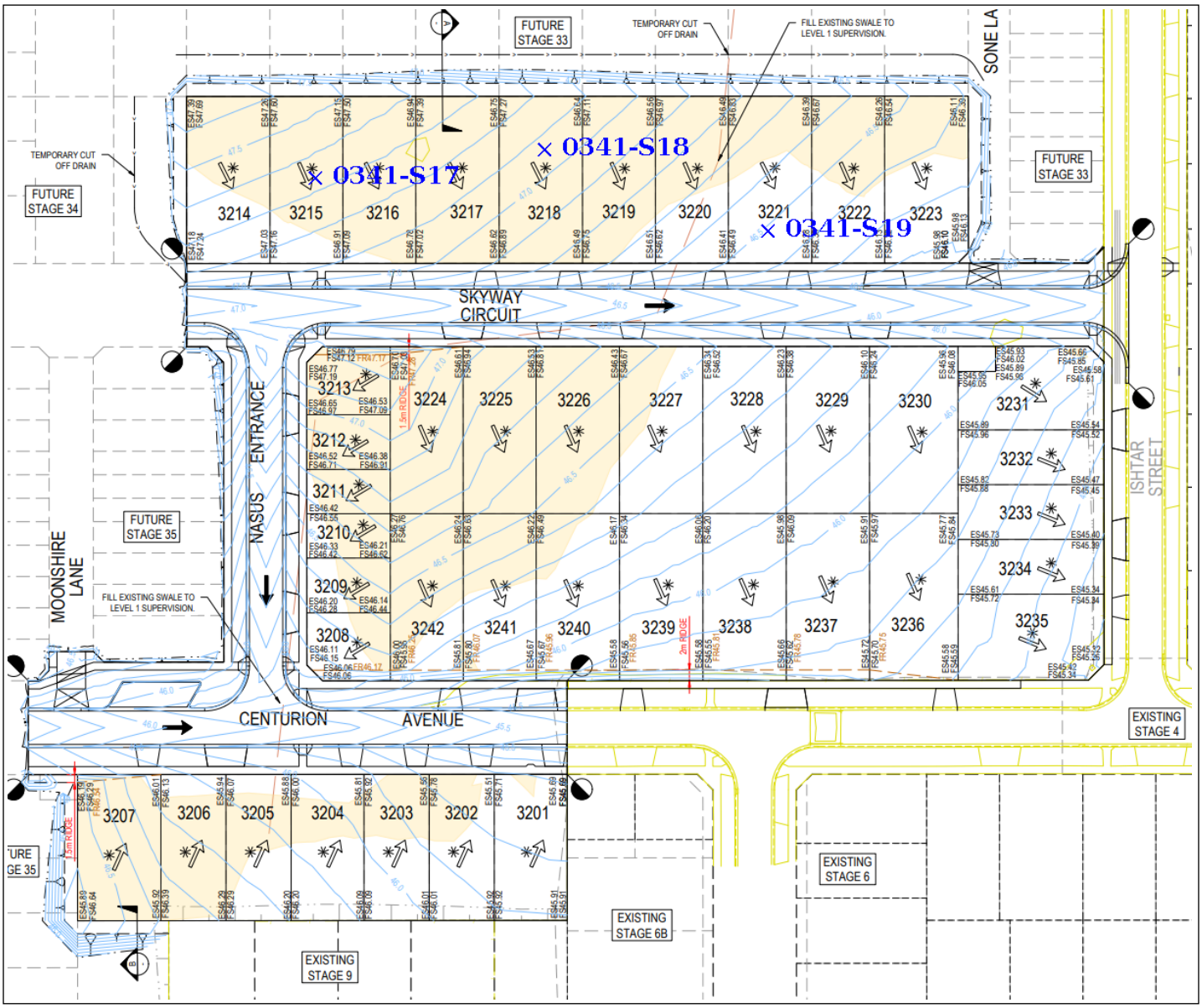
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0341-S17	0341-S18	0341-S19
Date Tested	04/05/2026	04/05/2026	04/05/2026
Time Tested	13:01	13:11	13:21
Test Request #/Location	Lot 3215	Lot 3218	Lot 3221
Easting	291796	291836	291870
Northing	5808878	5808874	5808868
Layer / Reduced Level	FSL	FSL	FSL
Thickness of Layer (mm)	150	150	150
Soil Description	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown
Test Depth (mm)	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	0	0
Field Wet Density (FWD) t/m^3	2.01	2.02	2.00
Field Moisture Content %	25.8	24.9	27.8
Field Dry Density (FDD) t/m^3	1.59	1.61	1.57
Peak Converted Wet Density t/m^3	2.05	2.00	2.03
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	1.5	2.0	2.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**98.0**	**100.5**	**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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0341-5**
Issue Number: 1
Date Issued: 11/05/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 2398
Date Sampled: 05/05/2026 7:00
Dates Tested: 05/05/2026 - 11/05/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Site Selection: Selected by Client
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Stockpiles onsite

GEOTECHNICAL
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Email: Tim@ctgeotech.com.au

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NATA WORLD RECOGNISED ACCREDITATION

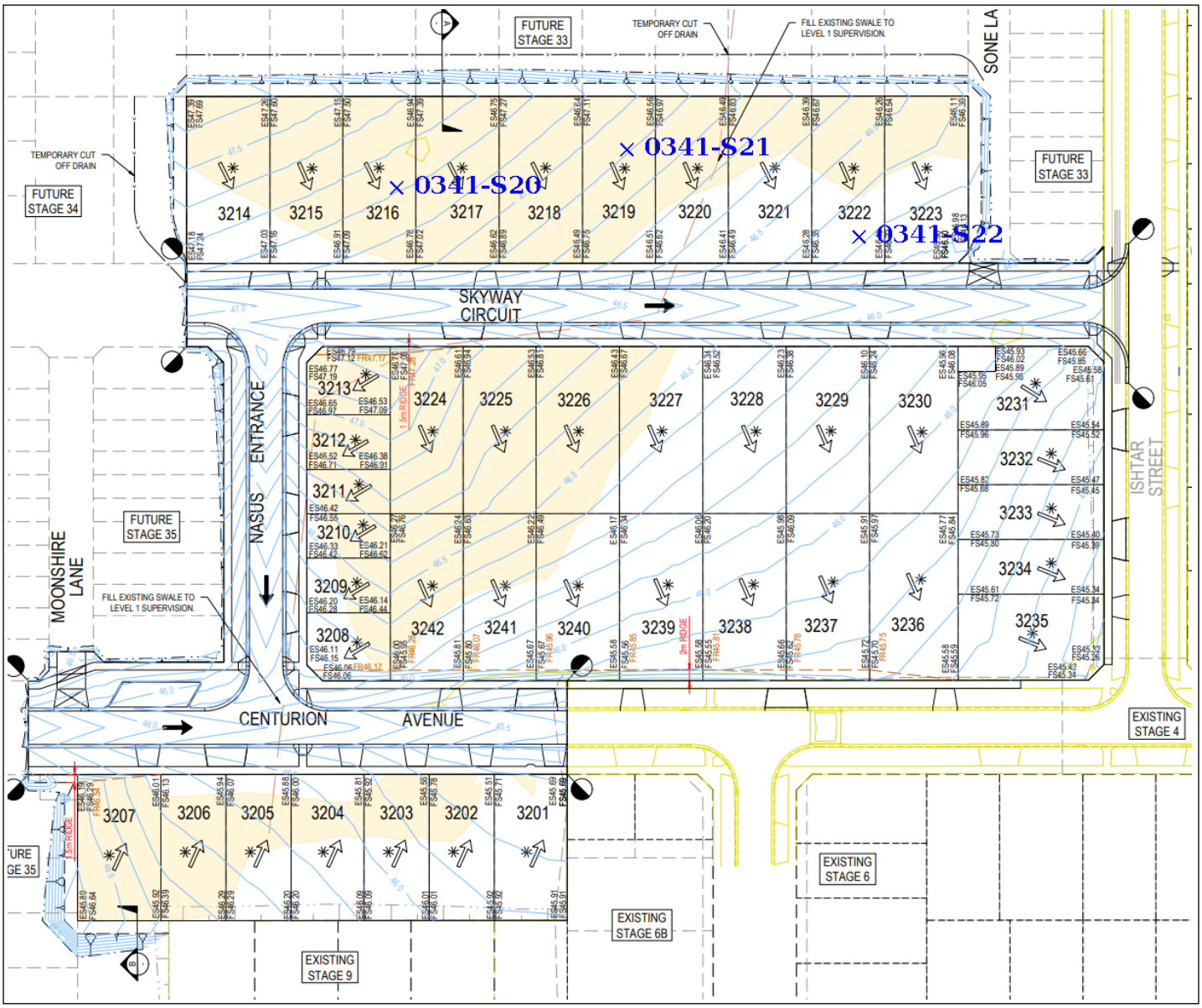
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0341-S20	0341-S21	0341-S22
Date Tested	05/05/2026	05/05/2026	05/05/2026
Time Tested	12:43	12:50	12:58
Test Request #/Location	Lot 3216	Lot 3219	Lot 3222
Easting	291798	291794	291791
Northing	5808876	5808872	5808870
Layer / Reduced Level	FSL	FSL	FSL
Thickness of Layer (mm)	150	150	150
Soil Description	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown
Test Depth (mm)	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	0	0
Field Wet Density (FWD) t/m^3	1.95	1.96	2.03
Field Moisture Content %	25.2	28.4	28.5
Field Dry Density (FDD) t/m^3	1.56	1.53	1.58
Peak Converted Wet Density t/m^3	1.87	1.86	1.86
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	1.0	-0.5	-0.5
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**104.0**	**105.0**	**109.0**
Compaction Method	**Standard**	**Standard**	**Standard**
Remarks	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0341-7**
Issue Number: 1
Date Issued: 31/08/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 3224
Date Sampled: 27/08/2026 8:00
Dates Tested: 27/08/2026 - 31/08/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Location: Stage 32
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite

GEOTECHNICAL
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47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
Email: Tim@ctgeotech.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

NATA WORLD RECOGNISED ACCREDITATION

Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	0341-S23	0341-S24	0341-S25	0341-S26	0341-S27	0341-S28
Date Tested	27/08/2026	27/08/2026	27/08/2026	27/08/2026	27/08/2026	27/08/2026
Time Tested	08:19	08:26	08:33	08:40	08:48	08:54
Test Request #/Location	Lot 3207	Lot 3208	Lot 3209	Lot 3210	Lot 3211	Lot 3212
Easting	291742	291795	291799	291801	291802	291806
Northing	5808751	5808783	5808795	5808804	5808813	5808821
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	150	150	150	150	150	150
Soil Description	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown
Test Depth (mm)	125	125	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	3	3	4	5	3
Field Wet Density (FWD) (t/m^3)	2.00	1.96	1.95	1.97	1.98	1.96
Field Moisture Content (%)	30.8	26.6	22.4	29.7	27.4	29.6
Field Dry Density (FDD) (t/m^3)	1.53	1.55	1.59	1.52	1.56	1.51
Peak Converted Wet Density (t/m^3)	1.94	**	**	**	**	**
Adjusted Peak Converted Wet Density (t/m^3)	**	2.01	2.03	1.97	1.95	1.97
Moisture Variation (Wv) (%)	-3.5	**	**	**	**	**
Adjusted Moisture Variation (%)	**	-3.0	-2.0	-3.0	-1.0	-2.5
Hilf Density Ratio (%)	**103.0**	**97.5**	**96.0**	**100.0**	**101.5**	**99.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**	**

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Material Test Report

Report Number: **CTG0341-7**
Issue Number: 1
Date Issued: 31/08/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 3224
Date Sampled: 27/08/2026 8:00
Dates Tested: 27/08/2026 - 31/08/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Location: Stage 32
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite

GEOTECHNICAL
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NATA WORLD RECOGNISED ACCREDITATION

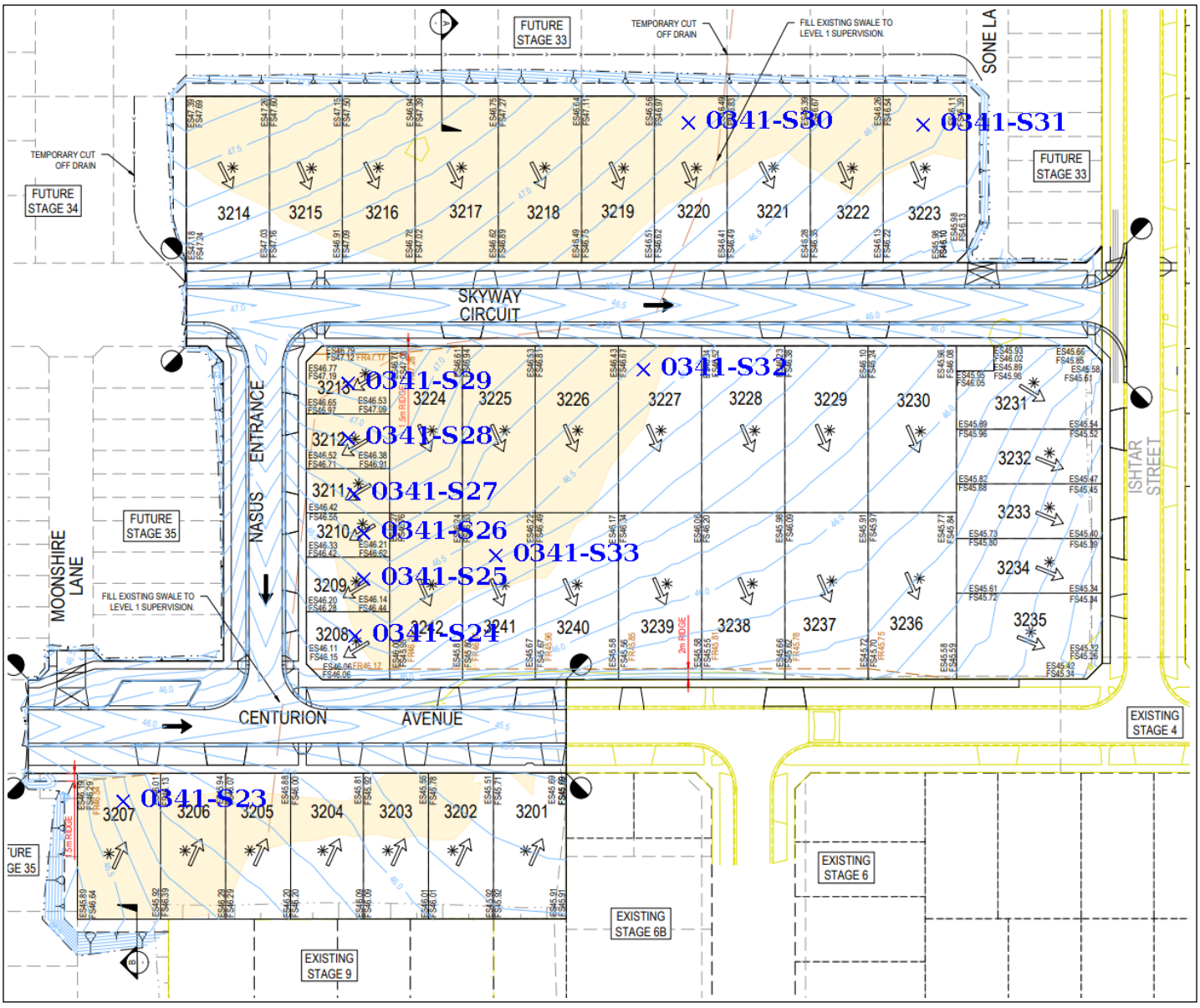
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	0341-S29	0341-S30	0341-S31	0341-S32	0341-S33	
Date Tested	27/08/2026	27/08/2026	27/08/2026	27/08/2026	27/08/2026	
Time Tested	08:59	09:07	09:13	09:21	09:27	
Test Request #/Location	Lot 3213	Lot 3220	Lot 3223	Lot 3227	Lot 3241	
Easting	291808	291868	291910	291846	291809	
Northing	5808831	5808849	5808846	5808827	5808782	
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL	
Thickness of Layer (mm)	150	150	150	150	150	
Soil Description	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	gravelly CLAY, med-high plasticity, brown	
Test Depth (mm)	125	125	125	125	125	
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0	
Percentage of Wet Oversize (%)	3	4	2	4	2	
Field Wet Density (FWD) (t/m^3)	1.97	1.98	2.01	1.96	1.95	
Field Moisture Content (%)	30.2	25.1	25.6	29.3	27.6	
Field Dry Density (FDD) (t/m^3)	1.51	1.58	1.60	1.52	1.53	
Peak Converted Wet Density (t/m^3)	**	**	**	**	**	
Adjusted Peak Converted Wet Density (t/m^3)	1.97	2.00	1.94	1.98	1.96	
Moisture Variation (Wv) (%)	**	**	**	**	**	
Adjusted Moisture Variation (%)	-3.5	-2.5	-0.5	-3.0	-1.5	
Hilf Density Ratio (%)	**100.0**	**99.0**	**103.5**	**99.0**	**99.5**	
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**	
Remarks	**	**	**	**	**	

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0341-8**
Issue Number: 1
Date Issued: 02/09/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0341
Project Name: ALAMORA ESTATE STAGE 32 (LEVEL 1)
Work Request: 3271
Date Sampled: 01/09/2026 9:45
Dates Tested: 01/09/2026 - 02/09/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard Compaction & +/- 3% Moisture Variation
Location: Stage 32
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite

GEOTECHNICAL

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47A Assembly Drive Tullamarine VIC 3043
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Email: Tim@ctgeotech.com.au

Accredited for compliance with ISO/IEC 17025 - Testing

NATA WORLD RECOGNISED ACCREDITATION

Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0341-S34		
Date Tested	01/09/2026		
Time Tested	09:53		
Test Request #/Location	Lot 3240 (retest S11)		
Easting	291827		
Northing	5808799		
Layer / Reduced Level	1		
Thickness of Layer (mm)	150		
Soil Description	gravelly CLAY, med-high plasticity, brown		
Test Depth (mm)	125		
Sieve used to determine oversize (mm)	19.0		
Percentage of Wet Oversize (%)	0		
Field Wet Density (FWD) (t/m^3)	1.96		
Field Moisture Content (%)	24.0		
Field Dry Density (FDD) (t/m^3)	1.58		
Peak Converted Wet Density (t/m^3)	1.98		
Adjusted Peak Converted Wet Density (t/m^3)	**		
Moisture Variation (Wv) (%)	-2.5		
Adjusted Moisture Variation (%)	**		
Hilf Density Ratio (%)	**99.0**		
Compaction Method	**Standard**		
Remarks	**		

Moisture Variation Note:
Positive values = test is dry of OMC
Negative values = test is wet of OMC