C&T
CONSULTING ENGINEERS

Seventh Bend Estate, Stage 15B, 20 & 21, Weir Views

Level 1 Inspection & Testing Report

22 June 2026

22 June 2026

Winslow Constructors Pty Ltd

50 Barry Road

Campbellfield, VIC 3061

Level 1 Inspection & Testing Report

Seventh Bend Estate, Stage 15B, 20 & 21, Weir Views, 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 Seventh Bend Estate, Stage 15B, 20 & 21 located in Weir Views, Victoria (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 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 works performed between 29 January 2026 and 6 March 2026, involving ten days of filling operations. The filling works took place within future residential allotments.

The Level 1 earthworks were completed across Stages 15B, 20 and 21 within the aforementioned project duration, with the contractors working on each stage at a time. The works generally involved backfilling of an old swale drain within Stages 15 & Stage 21, as well as future residential allotments across Stages 15B, 20 and 21.

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 as well as the general notes on the supplied construction drawings prepared by Spiire Australia including

drawings 308945CR100 Rev E (Stage 15B), 308948CR100 Rev 0 (Stage 20) and 308949CR100 Rev E (Stage 21).

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
2) scarifying and moisture conditioning the stripped subgrade
3) proof rolling the subgrade 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 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.

4. Level 1 Inspection & Testing Results

4.1 Subgrade Preparation

The fill placement zones underwent stripping of topsoil, vegetation / organics and loose / saturated soils (within the former swale) until a base comprising residual Newer Volcanic Group logged as Silty CLAY / CLAY (CH), high plasticity, brown to dark brown / red, with varying proportions of sand and gravel was achieved.

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

Site stripping also included the removal of oversize particles (boulders) during the stripping and scarifying phase.

Figure 1: Subgrade Moisture Conditioning Within Stage 21 (Source: CTGM)

Figure 2: Oversize Particles Removed During Subgrade Preparation (Source: CTGM)

4.2 Fill Source Materials

Fill source materials were nominated by the project contractors and are understood to comprise site won material, sourced from onsite cuts, drainage and road boxing works.

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 CLAY / Silty CLAY (CH), high plasticity, brown / red to light brown / yellow, with varying proportions of 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 cobbles were intermittently encountered during fill placement, however were generally less than two thirds of the layer thickness. Oversize boulders were instructed to be side-casted during spreading / placement of fill.

4.3.4 Fill Moisture

The fill was assessed as ranging between the dry to wet side of the inferred optimum moisture content (OMC). A water cart was however required to moisture condition the fill materials throughout the works.

4.4 Fill Construction

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

1) 815 Compactor

2) Grader

3) Scraper

4) Water Carts (2)

5) Excavator.

4.4.1 Climate

Weather conditions were typically fine to sunny during the works, with intermittent rainfall periods encountered.

4.4.2 Filling Process

The filling process was generally consistent throughout the project. The fill materials were spread over the placement zones in thin / loose layers measuring approximately 250 mm (loose). A water cart was used to moisture condition the materials during spreading, typically requiring several passes.

The 815 Compactor was used to compact the fill, applying a minimum of 10 – 12 passes per layer observed, with a compacted layer thickness measuring approximately 200 mm. Field density testing was subsequently carried out on each composite layer.

Figure 3: Moisture Conditioning of Fill Material on Stage 15B (Source: CTGM)

Figure 4: Fill Compaction on Stage 15B (Source: CTGM)

Figure 5: Fill Compaction on Stage 21 (Source: CTGM)

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.

All tests achieved the minimum target density ratio of 95 % Standard Compaction and moisture variation 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 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.

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

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

3) 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

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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: 05/06/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
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)
**	0345-S1	02/02/2026	Lot 1542	286594	5822399	**	1	101.0	-3.0	31.2	1.94
**	0345-S2	02/02/2026	Lot 1543	286584	5822399	**	1	100.5	-3.0	30.7	1.92
**	0345-S3	02/02/2026	Lot 1544	286588	5822411	**	1	104.0	-3.0	31.0	1.98
**	0345-S4	04/02/2026	Lot 1539	286572	5822376	**	FSL	100.5	0.0	26.5	1.94
**	0345-S5	04/02/2026	Lot 1540	286585	5822377	**	FSL	100.0	2.0	23.6	1.90
**	0345-S6	04/02/2026	Lot 1541	286580	5822388	**	FSL	99.0	0.0	22.8	1.93
**	0345-S7	04/02/2026	Lot 1544	286579	5822370	**	FSL	105.5	3.0	24.4	1.99
**	0345-S8	04/02/2026	Lot 1545	286568	5822371	**	FSL	102.0	0.5	23.0	1.98
**	0345-S9	04/02/2026	Lot 1546	286568	5822371	**	FSL	103.0	0.5	24.2	2.03
**	0345-S10	05/02/2026	Swale drain backfill Lot 2101/2102	286655	5822453	**	FSL	101.0	2.5	15.2	1.93
**	0345-S11	05/02/2026	Swale drain backfill Lot 2103/2104	286672	5822450	**	FSL	102.5	2.5	17.1	1.97
**	0345-S12	05/02/2026	Swale drain backfill Lot 2105/2106	286691	5822449	**	FSL	101.0	2.5	18.1	1.95
**	0345-S13	05/02/2026	Swale drain backfill Lot 2107/2108	286711	5822447	**	FSL	100.5	2.0	23.0	1.90
**	0345-S14	05/02/2026	Swale drain backfill Lot 2109/2110	286727	5822444	**	FSL	102.0	2.5	22.7	1.94
**	0345-S15	05/02/2026	Swale drain backfill Lot 2111/2112	286761	5822441	**	FSL	100.5	2.5	22.4	1.90
**	0345-S19	03/03/2026	Lot 1506	286505	5822390	**	1	95.0	2.0	23.3	1.91
**	0345-S20	03/03/2026	Lot 1505	286508	5822375	**	1	97.5	2.0	21.6	1.87
**	0345-S21	03/03/2026	Lot 1504	286506	5822365	**	FSL	95.0	2.5	21.7	1.82
**	0345-S22	03/03/2026	Lot 1503	286504	5822326	**	FSL	95.5	3.0	16.5	1.90
**	0345-S23	03/03/2026	Lot 1502	286505	5822338	**	FSL	98.5	-0.5	19.4	1.94
**	0345-S24	03/03/2026	Lot 1501	286512	5822348	**	FSL	97.0	0.0	23.5	1.93
**	0345-S16	03/03/2026	Lot 1509	286506	5822428	**	1	101.5	3.0	19.1	1.97
**	0345-S17	03/03/2026	Lot 1508	286506	5822420	**	1	99.5	2.5	19.5	1.95
**	0345-S18	03/03/2026	Lot 1507	286511	5822402	**	1	99.5	0.5	22.8	1.95
**	0345-S25	04/03/2026	Lot 1510	286515	5822448	**	FSL	102.0	2.5	21.1	1.97
**	0345-S26	04/03/2026	Lot 1511	286512	5822468	**	FSL	96.0	2.5	19.2	1.90
**	0345-S27	05/03/2026	Lot 2111	286791	5822436	**	FSL	97.5	2.5	17.1	1.94
**	0345-S28	05/03/2026	Lot 2108	286754	5822442	**	1	106.5	2.0	31.9	2.05
**	0345-S29	05/03/2026	Lot 2105	286715	5822447	**	FSL	96.5	2.0	16.9	2.05
**	0345-S30	05/03/2026	Lot 1512	286559	5822453	**	1	95.5	2.0	21.7	1.86
**	0345-S31	05/03/2026	Lot 1512	286546	5822459	**	3	95.0	2.0	21.0	1.88
**	0345-S32	05/03/2026	Lot 1513	286552	5822457	**	5	95.5	3.0	20.5	1.85
**	0345-S33	05/03/2026	Lot 1514	286560	5822450	**	FSL	96.5	1.5	22.1	1.88
**	0345-S34	06/03/2026	Lot 1542	286555	5822404	**	1	98.0	0.5	23.2	1.97
**	0345-S35	06/03/2026	Lot 1542	286558	5822398	**	FSL	99.0	2.5	23.0	1.91
**	0345-S36	14/04/2026	Lot 1515	286594	5822452	**	FSL	98.0	2.0	18.2	1.92
**	0345-S37	14/04/2026	Lot 1516	286608	5822454	**	FSL	103.0	3.0	19.5	1.96
**	0345-S38	14/04/2026	Lot 1517	286617	5822454	**	FSL	101.0	2.5	19.8	1.97
**	0345-S39	14/04/2026	Lot 1518	286634	5822451	**	FSL	99.5	2.5	18.3	1.92
**	0345-S40	14/04/2026	Lot 1519	286649	5822450	**	FSL	106.0	2.5	19.1	2.00
**	0345-S41	14/04/2026	Lot 1520	286666	5822447	**	FSL	107.0	3.0	18.2	1.93
**	0345-S42	14/04/2026	Lot 1535	286580	5822372	**	FSL	107.0	3.0	19.1	1.92
**	0345-S43	14/04/2026	Lot 1536	286583	5822391	**	FSL	107.0	3.0	19.5	1.91
**	0345-S44	14/04/2026	Lot 1547	286538	5822330	**	FSL	99.0	3.0	17.7	1.92
**	0345-S45	14/04/2026	Lot 2118	286734	5822405	**	FSL	102.0	2.0	20.2	1.95
**	0345-S46	14/04/2026	Lot 2119	286720	5822399	**	FSL	104.0	2.0	19.1	1.97
**	0345-S47	14/04/2026	Lot 2120	286703	5822404	**	FSL	103.5	2.0	18.0	1.96
**	0345-S48	14/04/2026	Lot 2121	286702	5822396	**	FSL	101.0	2.5	17.5	1.97
**	0345-S49	14/04/2026	Lot 2122	286702	5822386	**	FSL	104.5	3.0	16.6	1.98
**	0345-S50	14/04/2026	Lot 2026	286824	5822416	**	FSL	102.0	1.5	18.8	1.97

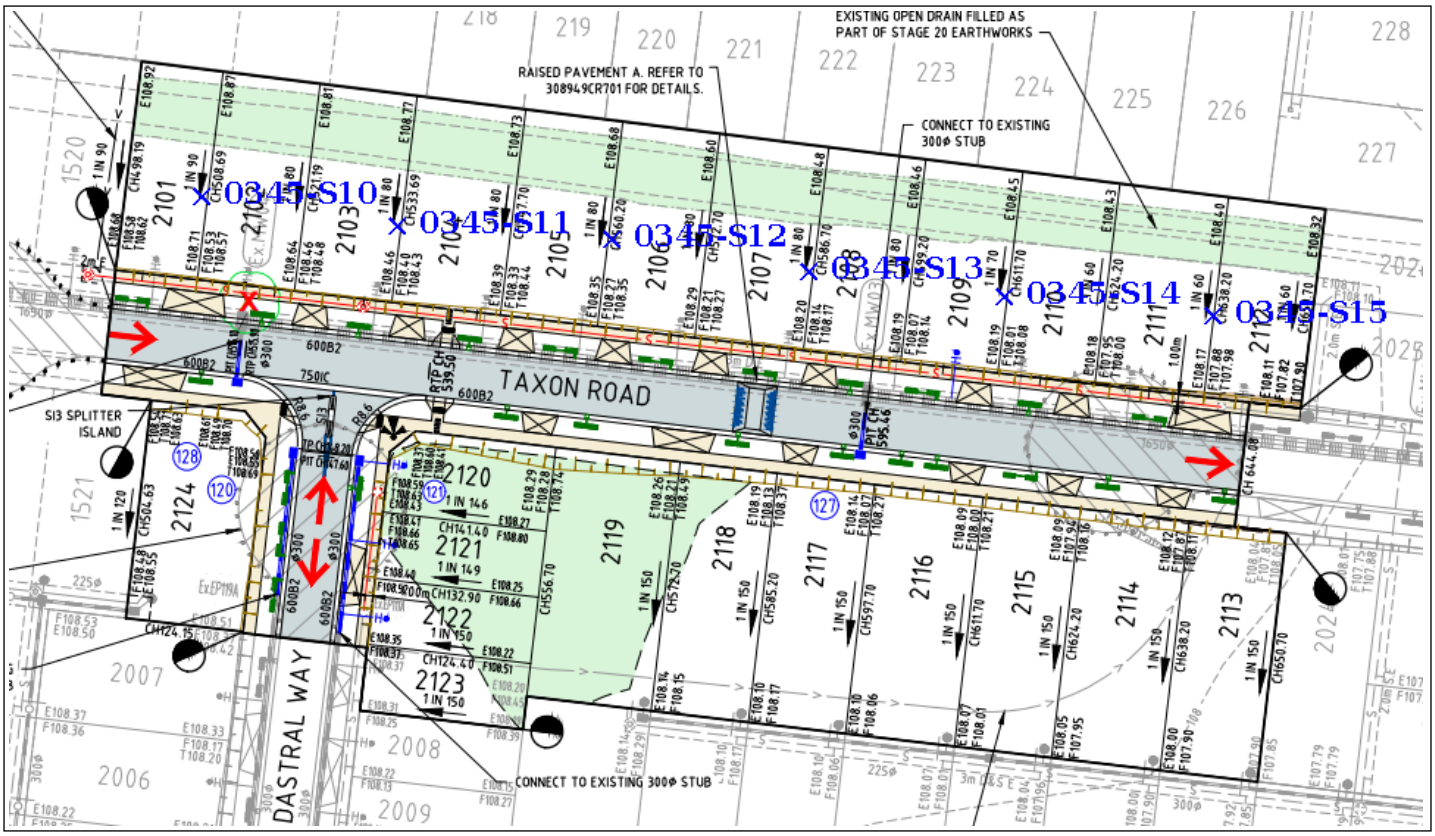
Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

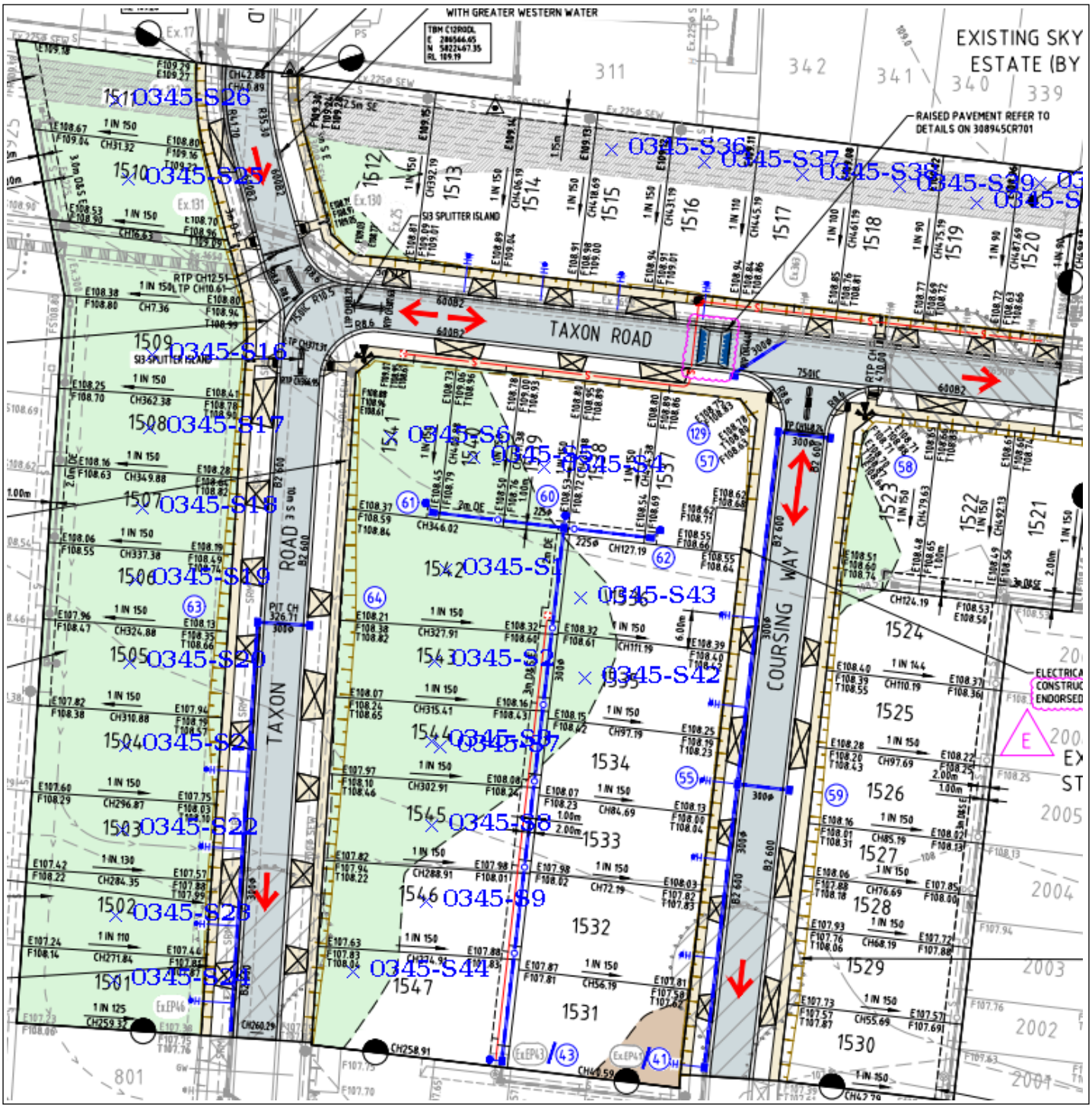
Sample Locations Plan

x - approximate test location



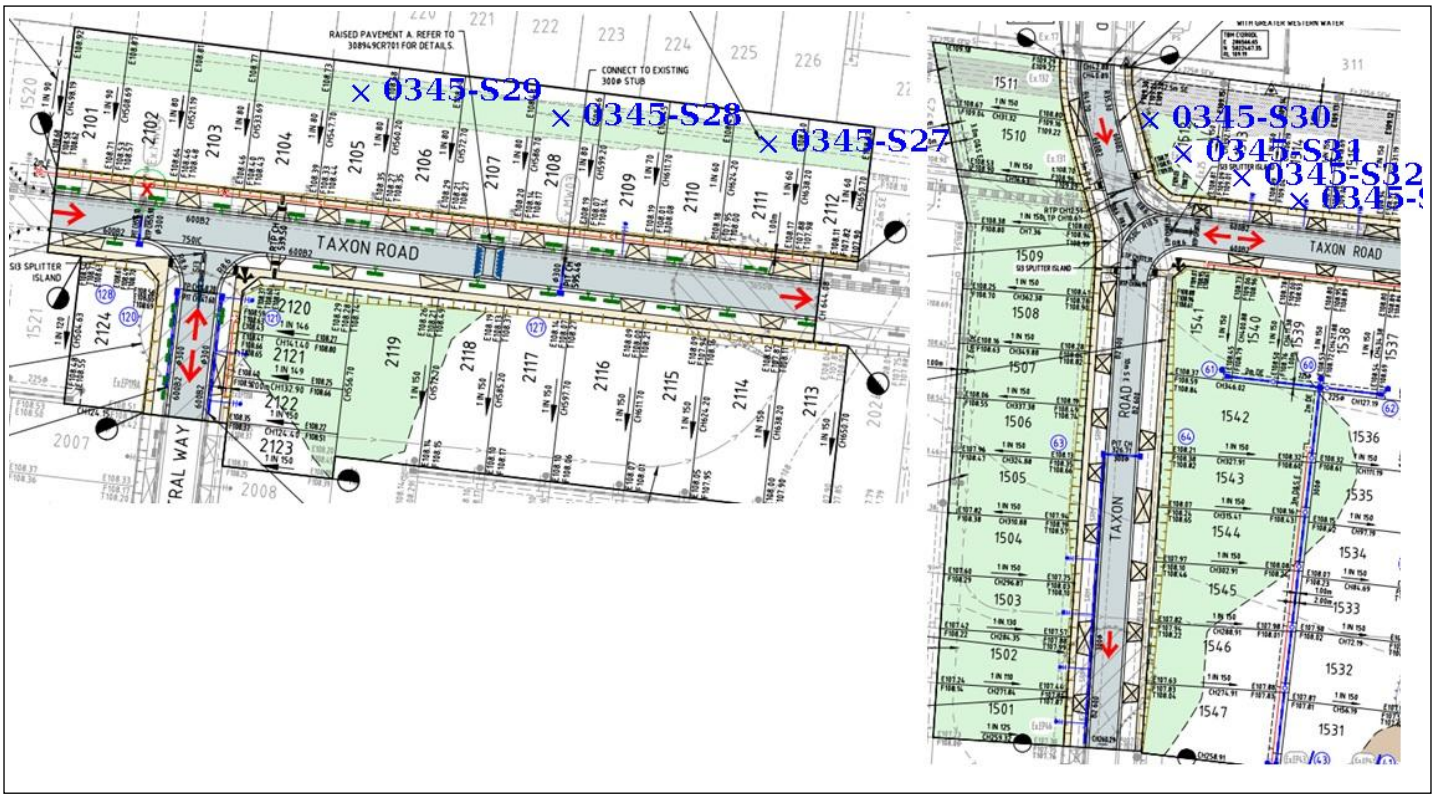
Sample Locations Plan

x - approximate test location



Sample Locations Plan

x - approximate test location



Appendix B – Field Density Test Reports

Material Test Report

Report Number: **CTG0345-1**
Issue Number: 1
Date Issued: 05/02/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1709
Date Sampled: 02/02/2026 7:00
Dates Tested: 02/02/2026 - 05/02/2026
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: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite

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

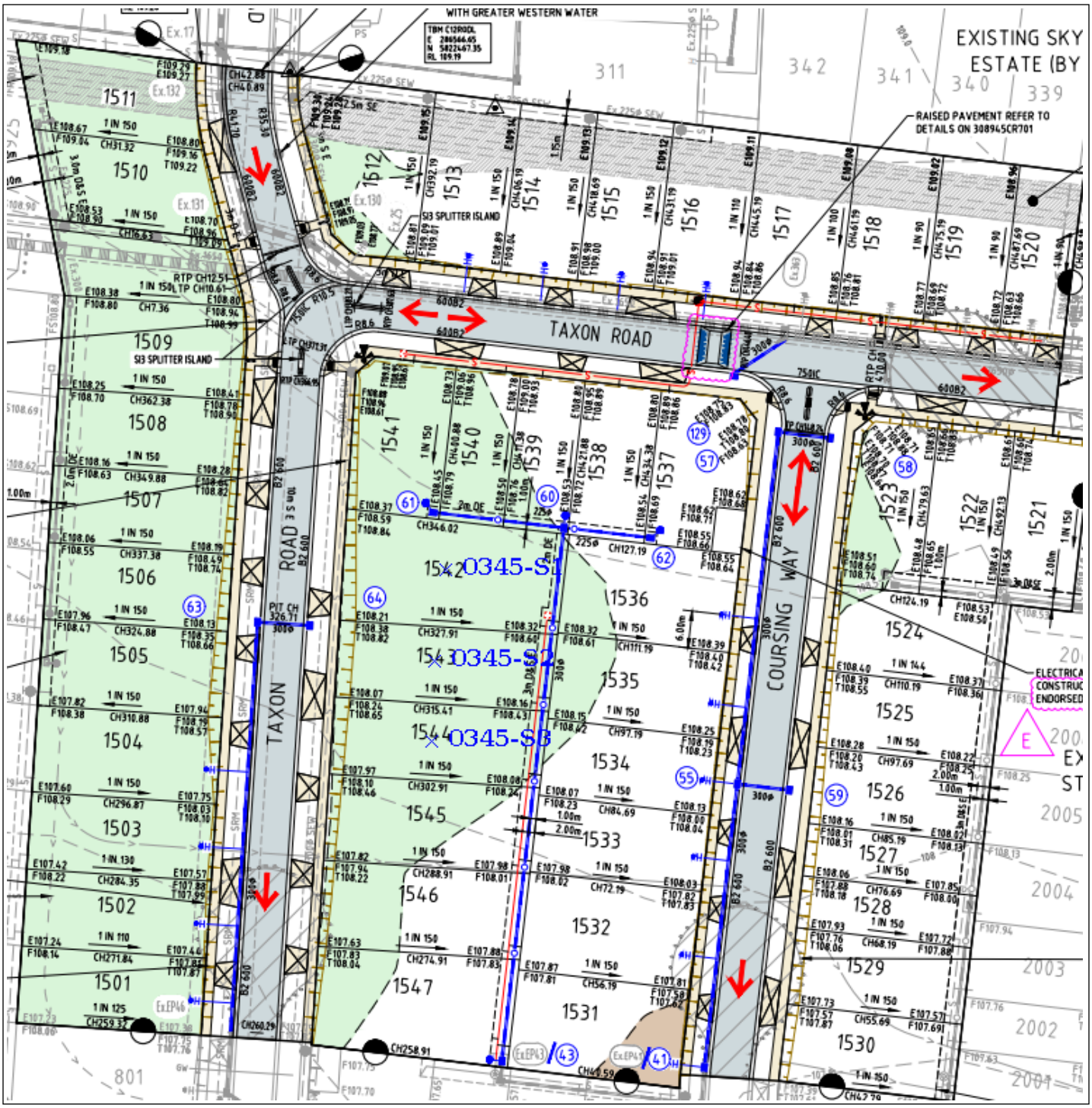
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0345-S1	0345-S2	0345-S3
Date Tested	02/02/2026	02/02/2026	02/02/2026
Time Tested	13:41	13:48	13:59
Test Request #/Location	Lot 1542	Lot 1543	Lot 1544
Easting	286594	286584	286588
Northing	5822399	5822399	5822411
Layer / Reduced Level	1	1	1
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	1.94	1.92	1.98
Field Moisture Content %	31.2	30.7	31.0
Field Dry Density (FDD) t/m^3	1.48	1.47	1.51
Peak Converted Wet Density t/m^3	1.93	1.91	1.90
Adjusted Peak Converted Wet Density t/m^3	**	**	**
Moisture Variation (Wv) %	-3.0	-3.0	-3.0
Adjusted Moisture Variation %	**	**	**
Hilf Density Ratio (%)	**101.0**	**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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0345-2**
Issue Number: 1
Date Issued: 12/02/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1731
Date Sampled: 04/02/2026 7:00
Dates Tested: 04/02/2026 - 12/02/2026
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: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite

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

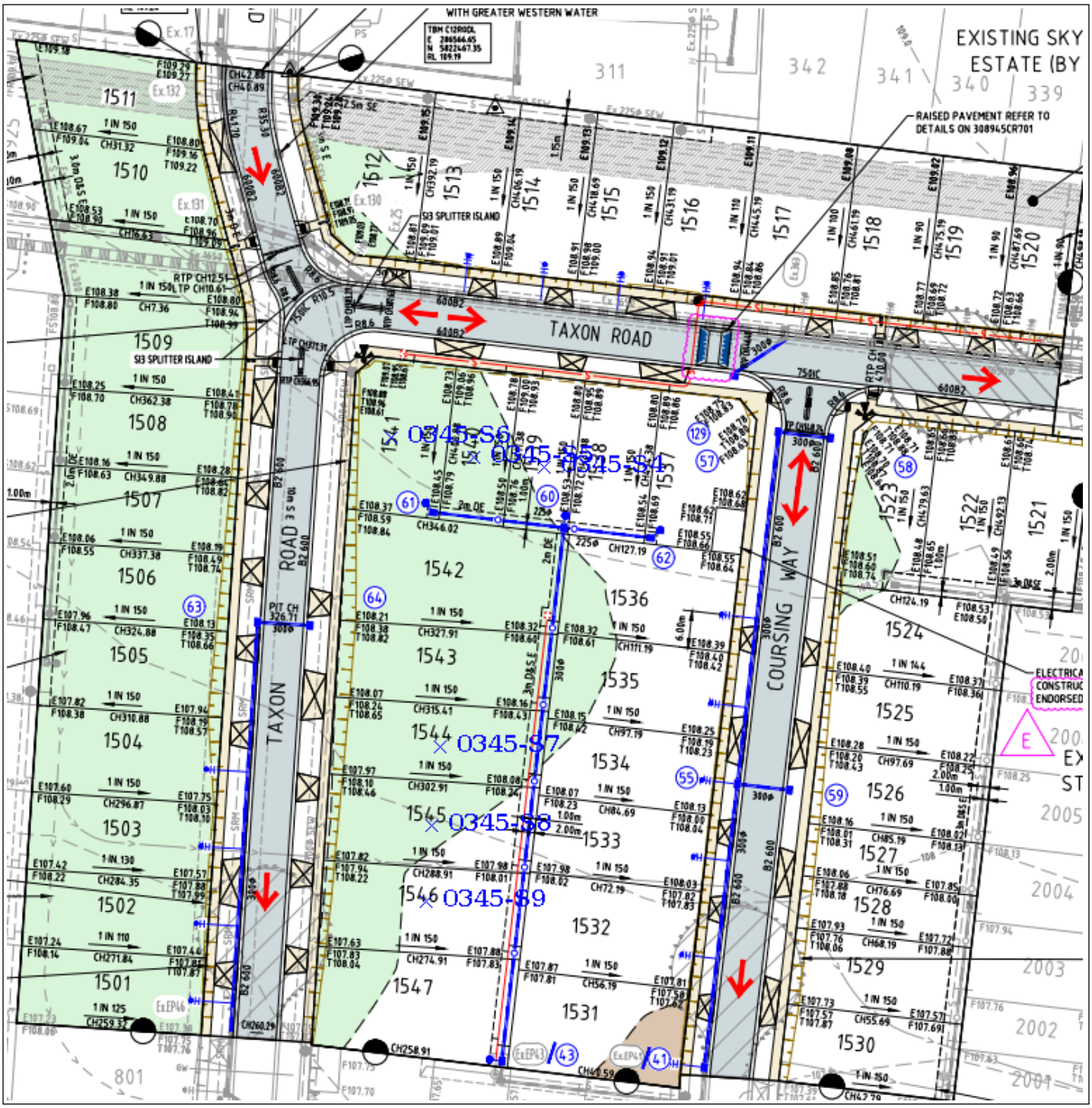
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	0345-S4	0345-S5	0345-S6	0345-S7	0345-S8	0345-S9
Date Tested	04/02/2026	04/02/2026	04/02/2026	04/02/2026	04/02/2026	04/02/2026
Time Tested	11:22	11:32	11:42	11:52	12:02	12:12
Test Request #/Location	Lot 1539	Lot 1540	Lot 1541	Lot 1544	Lot 1545	Lot 1546
Easting	286572	286585	286580	286579	286568	286568
Northing	5822376	5822377	5822388	5822370	5822371	5822371
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	0	0	0	0	0
Field Wet Density (FWD) t/m^3	1.94	1.90	1.93	1.99	1.98	2.03
Field Moisture Content %	26.5	23.6	22.8	24.4	23.0	24.2
Field Dry Density (FDD) t/m^3	1.54	1.54	1.57	1.60	1.61	1.64
Peak Converted Wet Density t/m^3	1.93	1.90	1.95	1.89	1.94	1.98
Adjusted Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Moisture Variation (Wv) %	0.0	2.0	0.0	3.0	0.5	0.5
Adjusted Moisture Variation %	**	**	**	**	**	**
Hilf Density Ratio (%)	**100.5**	**100.0**	**99.0**	**105.5**	**102.0**	**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: CTG0345-3
Issue Number: 1
Date Issued: 13/02/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1754
Date Sampled: 29/01/2026 9:30
Dates Tested: 05/02/2026 - 13/02/2026
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: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite

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

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NATA WORLD RECOGNISED ACCREDITATION

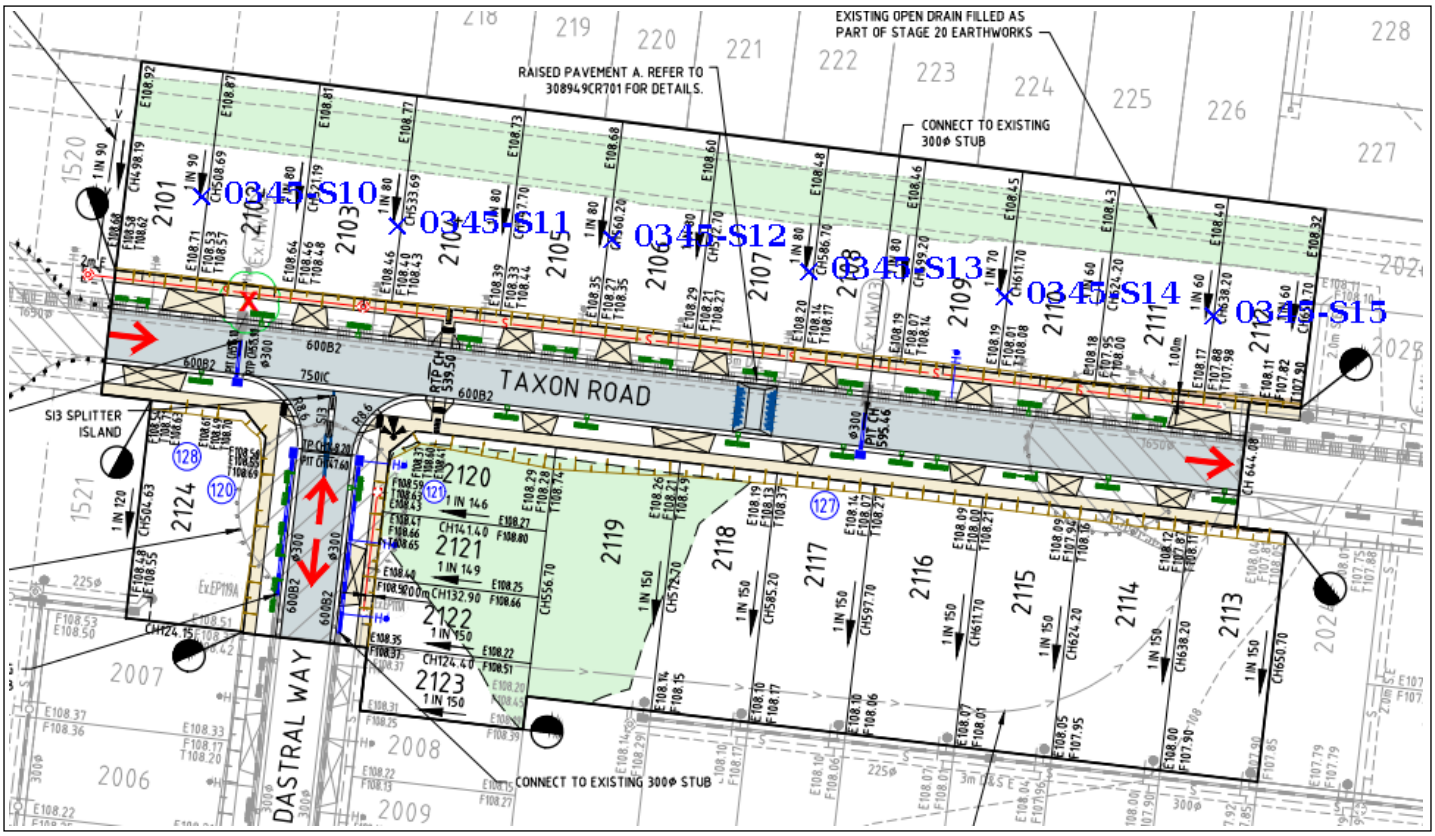
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1						
Sample Number	0345-S10	0345-S11	0345-S12	0345-S13	0345-S14	0345-S15
Date Tested	05/02/2026	05/02/2026	05/02/2026	05/02/2026	05/02/2026	05/02/2026
Time Tested	12:22	12:32	12:42	12:52	13:02	13:12
Test Request #/Location	Swale drain backfill Lot 2101/2102	Swale drain backfill Lot 2103/2104	Swale drain backfill Lot 2105/2106	Swale drain backfill Lot 2107/2108	Swale drain backfill Lot 2109/2110	Swale drain backfill Lot 2111/2112
Easting	286655	286672	286691	286711	286727	286761
Northing	5822453	5822450	5822449	5822447	5822444	5822441
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 (%)	6	0	5	2	0	0
Field Wet Density (FWD) t/m^3	1.93	1.97	1.95	1.90	1.94	1.90
Field Moisture Content %	15.2	17.1	18.1	23.0	22.7	22.4
Field Dry Density (FDD) t/m^3	1.68	1.69	1.65	1.54	1.58	1.55
Peak Converted Wet Density t/m^3	**	1.92	**	**	1.90	1.89
Adjusted Peak Converted Wet Density t/m^3	1.91	**	1.93	1.88	**	**
Moisture Variation (Wv) %	**	2.5	**	**	2.5	2.5
Adjusted Moisture Variation %	2.5	**	2.5	2.0	**	**
Hilf Density Ratio (%)	**101.0**	**102.5**	**101.0**	**100.5**	**102.0**	**100.5**
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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0345-5**
Issue Number: 1
Date Issued: 12/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1931
Date Sampled: 03/03/2026
Dates Tested: 03/03/2026 - 11/03/2026
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
Location: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite

GEOTECHNICAL
C & T Geotechnical (Melbourne) Pty Ltd
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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	0345-S16	0345-S17	0345-S18	0345-S19	0345-S20
Date Tested	03/03/2026	03/03/2026	03/03/2026	03/03/2026	03/03/2026
Time Tested	12:27	12:39	12:51	01:44	02:06
Test Request #/Location	Lot 1509	Lot 1508	Lot 1507	Lot 1506	Lot 1505
Easting	286506	286506	286511	286505	286508
Northing	5822428	5822420	5822402	5822390	5822375
Layer / Reduced Level	1	1	1	1	1
Thickness of Layer (mm)	150	150	150	150	150
Soil Description	silty CLAY, med-high plasticity, brown	silty CLAY, med-high plasticity, brown	silty CLAY, med-high plasticity, brown	silty CLAY, med-high plasticity, brown	silty 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	0	0	19	0
Field Wet Density (FWD) t/m^3	1.97	1.95	1.95	1.91	1.87
Field Moisture Content %	19.1	19.5	22.8	23.3	21.6
Field Dry Density (FDD) t/m^3	1.66	1.63	1.59	1.55	1.54
Peak Converted Wet Density t/m^3	1.95	1.96	1.96	**	1.92
Adjusted Peak Converted Wet Density t/m^3	**	**	**	2.01	**
Moisture Variation (Wv) %	3.0	2.5	0.5	**	2.0
Adjusted Moisture Variation %	**	**	**	2.0	**
Hilf Density Ratio (%)	**101.5**	**99.5**	**99.5**	**95.0**	**97.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**

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

Material Test Report

Report Number: **CTG0345-5**
Issue Number: 1
Date Issued: 12/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1931
Date Sampled: 03/03/2026
Dates Tested: 03/03/2026 - 11/03/2026
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
Location: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: OnsIte

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NATA WORLD RECOGNISED ACCREDITATION

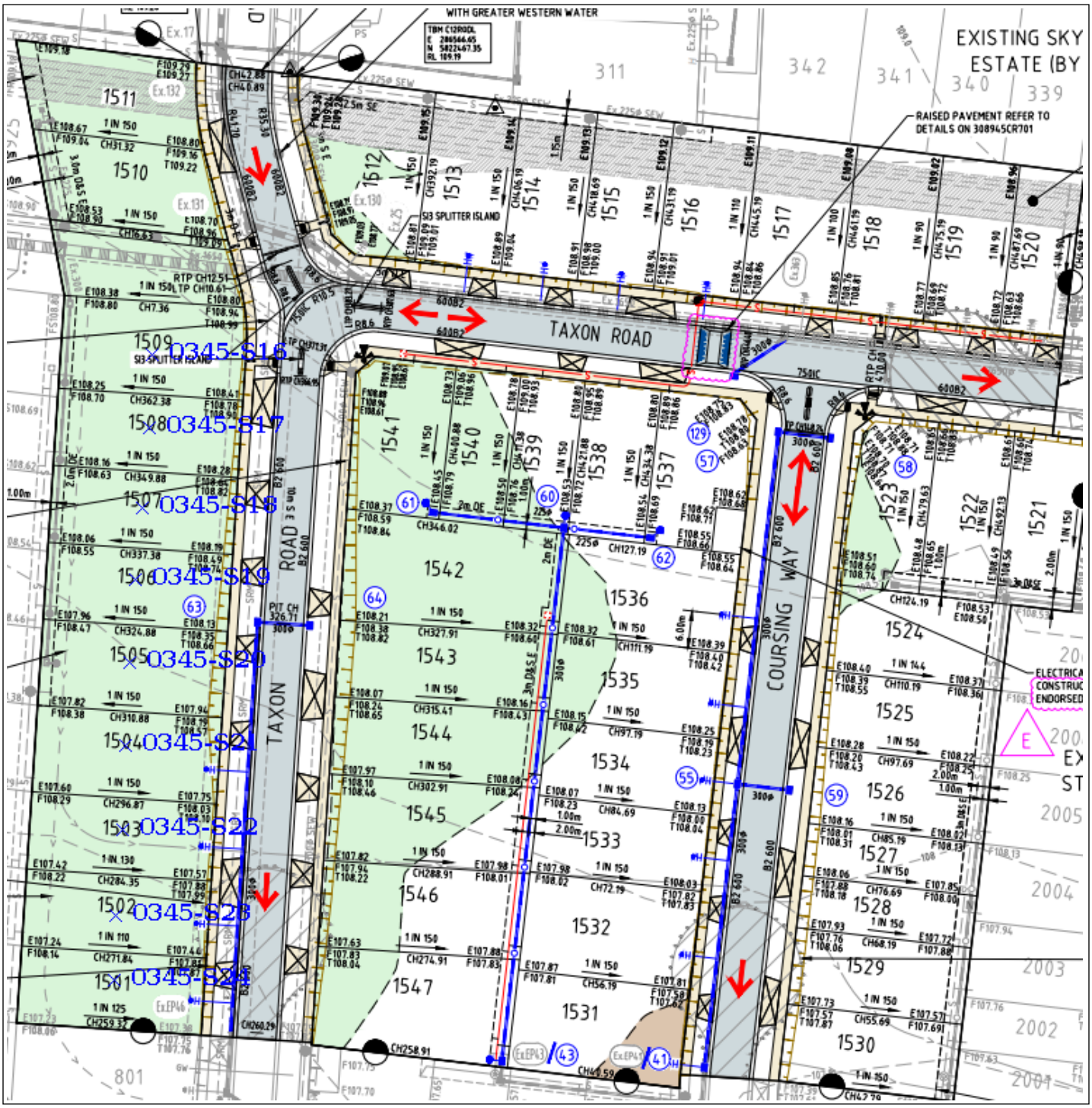
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	0345-S21	0345-S22	0345-S23	0345-S24	
Date Tested	03/03/2026	03/03/2026	03/03/2026	03/03/2026	
Time Tested	02:26	02:34	02:56	03:11	
Test Request #/Location	Lot 1504	Lot 1503	Lot 1502	Lot 1501	
Easting	286506	286504	286505	286512	
Northing	5822365	5822326	5822338	5822348	
Layer / Reduced Level	FSL	FSL	FSL	FSL	
Thickness of Layer (mm)	150	150	150	150	
Soil Description	silty CLAY, med-high plasticity, brown	silty CLAY, med-high plasticity, brown	silty CLAY, med-high plasticity, brown	silty CLAY, med-high plasticity, brown	
Test Depth (mm)	125	125	125	125	
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	
Percentage of Wet Oversize (%)	18	7	0	0	
Field Wet Density (FWD) t/m^3	1.82	1.90	1.94	1.93	
Field Moisture Content %	21.7	16.5	19.4	23.5	
Field Dry Density (FDD) t/m^3	1.49	1.63	1.63	1.56	
Peak Converted Wet Density t/m^3	**	**	1.97	1.99	
Adjusted Peak Converted Wet Density t/m^3	1.92	1.98	**	**	
Moisture Variation (Wv) %	**	**	-0.5	0.0	
Adjusted Moisture Variation %	2.5	3.0	**	**	
Hilf Density Ratio (%)	**95.0**	**95.5**	**98.5**	**97.0**	
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	
Remarks	**	**	**	**	

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0345-4**
Issue Number: 1
Date Issued: 11/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1951
Date Sampled: 04/03/2026
Dates Tested: 04/03/2026 - 11/03/2026
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
Location: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: OnsIte

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NATA
WORLD RECOGNISED ACCREDITATION

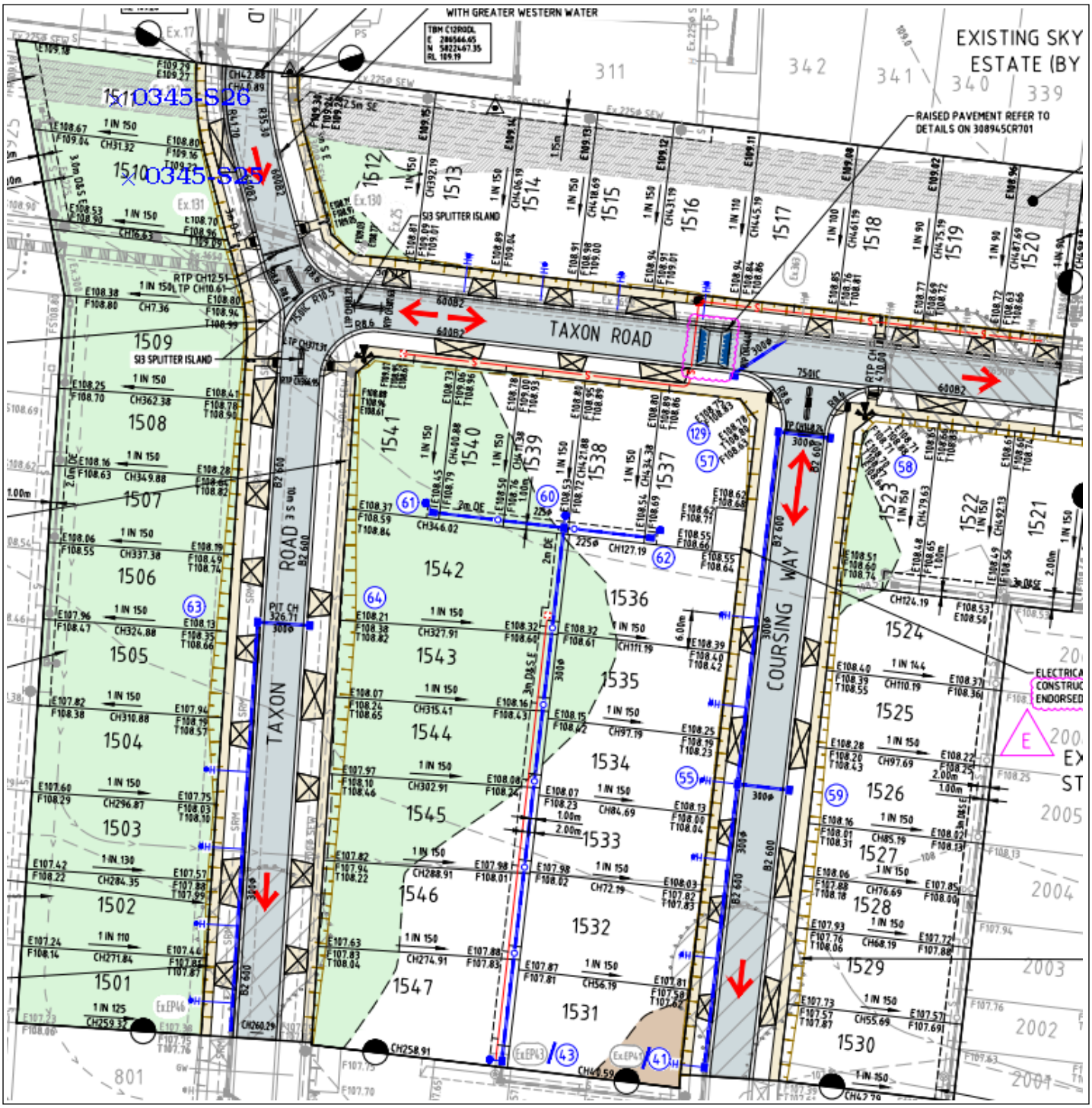
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0345-S25	0345-S26	
Date Tested	04/03/2026	04/03/2026	
Time Tested	14:13	14:25	
Test Request #/Location	Lot 1510	Lot 1511	
Easting	286515	286512	
Northing	5822448	5822468	
Layer / Reduced Level	FSL	FSL	
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 (%)	1	2	
Field Wet Density (FWD) t/m^3	1.97	1.90	
Field Moisture Content %	21.1	19.2	
Field Dry Density (FDD) t/m^3	1.63	1.59	
Peak Converted Wet Density t/m^3	**	**	
Adjusted Peak Converted Wet Density t/m^3	1.93	1.98	
Moisture Variation (Wv) %	**	**	
Adjusted Moisture Variation %	2.5	2.5	
Hilf Density Ratio (%)	**102.0**	**96.0**	
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: **CTG0345-7**
Issue Number: 1
Date Issued: 17/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1963
Date Sampled: 05/03/2026
Dates Tested: 05/03/2026 - 16/03/2026
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
Location: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

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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	0345-S27	0345-S28	0345-S29	0345-S30
Date Tested	05/03/2026	05/03/2026	05/03/2026	05/03/2026
Time Tested	10:24	10:39	10:47	11:48
Test Request #/Location	Lot 2111	Lot 2108	Lot 2105	Lot 1512
Easting	286791	286754	286715	286559
Northing	5822436	5822442	5822447	5822453
Layer / Reduced Level	FSL	1	FSL	1
Thickness of Layer (mm)	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
Test Depth (mm)	125	125	125	125
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	12	19	5
Field Wet Density (FWD) t/m^3	1.94	2.05	2.05	1.86
Field Moisture Content %	17.1	31.9	16.9	21.7
Field Dry Density (FDD) t/m^3	1.66	1.55	1.76	1.53
Peak Converted Wet Density t/m^3	1.99	**	**	**
Adjusted Peak Converted Wet Density t/m^3	**	1.92	2.13	1.94
Moisture Variation (Wv) %	2.5	**	**	**
Adjusted Moisture Variation %	**	2.0	2.0	2.0
Hilf Density Ratio (%)	**97.5**	**106.5**	**96.5**	**95.5**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**

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

Material Test Report

Report Number: **CTG0345-7**
Issue Number: 1
Date Issued: 17/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1963
Date Sampled: 05/03/2026
Dates Tested: 05/03/2026 - 16/03/2026
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
Location: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

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NATA
WORLD RECOGNISED ACCREDITATION

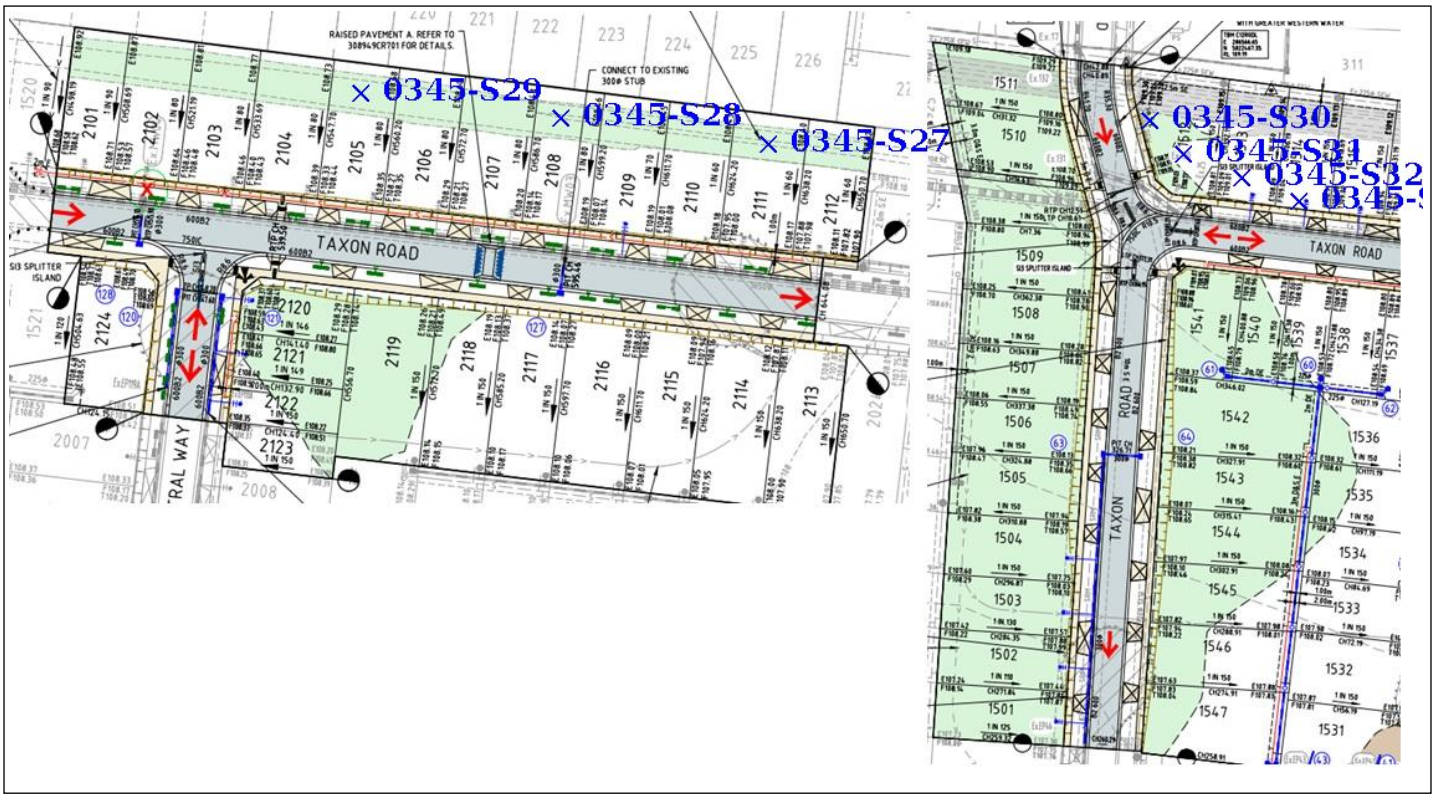
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1				
Sample Number	0345-S31	0345-S32	0345-S33	
Date Tested	05/03/2026	05/03/2026	05/03/2026	
Time Tested	12:17	13:31	14:21	
Test Request #/Location	Lot 1512	Lot 1513	Lot 1514	
Easting	286546	286552	286560	
Northing	5822459	5822457	5822450	
Layer / Reduced Level	3	5	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 (%)	15	7	20	
Field Wet Density (FWD) t/m^3	1.88	1.85	1.88	
Field Moisture Content %	21.0	20.5	22.1	
Field Dry Density (FDD) t/m^3	1.56	1.54	1.54	
Peak Converted Wet Density t/m^3	**	**	**	
Adjusted Peak Converted Wet Density t/m^3	1.98	1.94	1.95	
Moisture Variation (Wv) %	**	**	**	
Adjusted Moisture Variation %	2.0	3.0	1.5	
Hilf Density Ratio (%)	**95.0**	**95.5**	**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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0345-6**
Issue Number: 1
Date Issued: 17/03/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 1972
Date Sampled: 06/03/2026 8:00
Dates Tested: 06/03/2026 - 16/03/2026
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
Location: Weir views
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

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47A Assembly Drive Tullamarine VIC 3043
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Accredited for compliance with ISO/IEC 17025 - Testing

NATA WORLD RECOGNISED ACCREDITATION

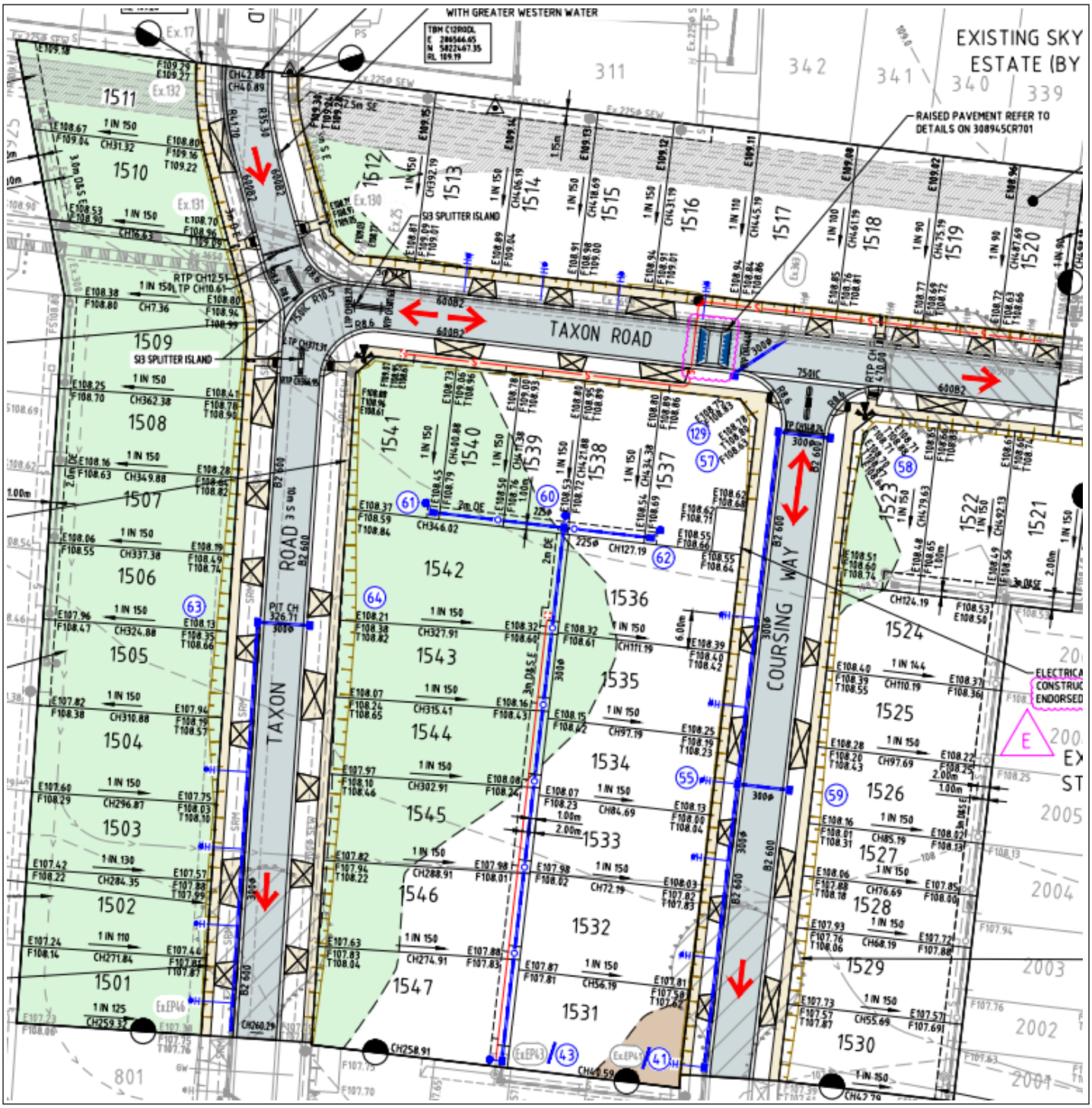
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1			
Sample Number	0345-S34	0345-S35	
Date Tested	06/03/2026	06/03/2026	
Time Tested	12:00	12:23	
Test Request #/Location	Lot 1542	Lot 1542	
Easting	286555	286558	
Northing	5822404	5822398	
Layer / Reduced Level	1	FSL	
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 (%)	6	5	
Field Wet Density (FWD) t/m^3	1.97	1.91	
Field Moisture Content %	23.2	23.0	
Field Dry Density (FDD) t/m^3	1.60	1.55	
Peak Converted Wet Density t/m^3	**	**	
Adjusted Peak Converted Wet Density t/m^3	2.02	1.93	
Moisture Variation (Wv) %	**	**	
Adjusted Moisture Variation %	0.5	2.5	
Hilf Density Ratio (%)	**98.0**	**99.0**	
Compaction Method	**Standard**	**Standard**	
Remarks	**	**	

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0345-8A**
Issue Number: 1
Date Issued: 20/04/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 2209
Date Sampled: 14/04/2026 13:00
Dates Tested: 14/04/2026 - 15/04/2026
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: Seventh Bend
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

GEOTECHNICAL
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47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
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	0345-S36	0345-S37	0345-S38	0345-S39	0345-S40
Date Tested	14/04/2026	14/04/2026	14/04/2026	14/04/2026	14/04/2026
Time Tested	12:45	12:51	12:56	13:01	13:06
Test Request #/Location	Lot 1515	Lot 1516	Lot 1517	Lot 1518	Lot 1519
Easting	286594	286608	286617	286634	286649
Northing	5822452	5822454	5822454	5822451	5822450
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 (%)	13	7	4	7	4
Field Wet Density (FWD) t/m^3	1.92	1.96	1.97	1.92	2.00
Field Moisture Content %	18.2	19.5	19.8	18.3	19.1
Field Dry Density (FDD) t/m^3	1.63	1.64	1.65	1.63	1.68
Peak Converted Wet Density t/m^3	**	**	**	**	**
Adjusted Peak Converted Wet Density t/m^3	1.96	1.90	1.95	1.93	1.89
Moisture Variation (Wv) %	**	**	**	**	**
Adjusted Moisture Variation %	2.0	3.0	2.5	2.5	2.5
Hilf Density Ratio (%)	**98.0**	**103.0**	**101.0**	**99.5**	**106.0**
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	**Standard**
Remarks	**	**	**	**	**

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

Material Test Report

Report Number: **CTG0345-8A**
Issue Number: 1
Date Issued: 20/04/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 2209
Date Sampled: 14/04/2026 13:00
Dates Tested: 14/04/2026 - 15/04/2026
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: Seventh Bend
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

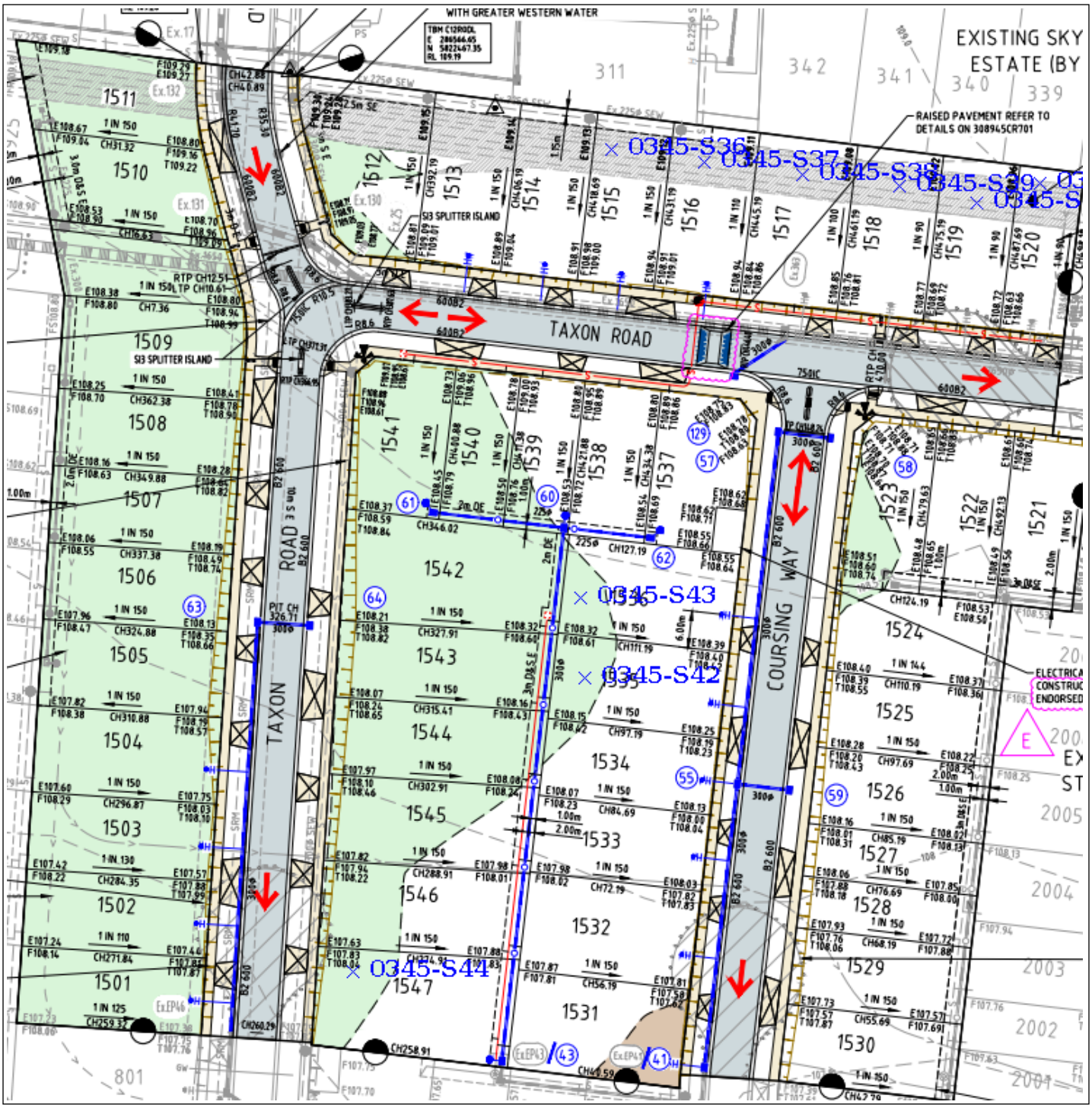
Approved Signatory: Tim Senserrick
Managing Director
Laboratory Number: 21552

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	0345-S41	0345-S42	0345-S43	0345-S44	
Date Tested	14/04/2026	14/04/2026	14/04/2026	14/04/2026	
Time Tested	13:12	13:17	13:22	13:28	
Test Request #/Location	Lot 1520	Lot 1535	Lot 1536	Lot 1547	
Easting	286666	286580	286583	286538	
Northing	5822447	5822372	5822391	5822330	
Layer / Reduced Level	FSL	FSL	FSL	FSL	
Thickness of Layer (mm)	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	
Test Depth (mm)	125	125	125	125	
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	
Percentage of Wet Oversize (%)	5	6	8	10	
Field Wet Density (FWD) t/m^3	1.93	1.92	1.91	1.92	
Field Moisture Content %	18.2	19.1	19.5	17.7	
Field Dry Density (FDD) t/m^3	1.63	1.62	1.60	1.63	
Peak Converted Wet Density t/m^3	**	**	**	**	
Adjusted Peak Converted Wet Density t/m^3	1.80	1.80	1.79	1.94	
Moisture Variation (Wv) %	**	**	**	**	
Adjusted Moisture Variation %	3.0	3.0	3.0	3.0	
Hilf Density Ratio (%)	**107.0**	**107.0**	**107.0**	**99.0**	
Compaction Method	**Standard**	**Standard**	**Standard**	**Standard**	
Remarks	**	**	**	**	

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

Sample Locations Plan

x - approximate test location



Material Test Report

Report Number: **CTG0345-8**
Issue Number: 1
Date Issued: 20/04/2026
Client: WINSLOW CONSTRUCTORS (CAMPBELLFIELD, VIC)
50 Barry Road, Campbellfield Victoria 3061
Project Number: CTG0345
Project Name: SEVENTH BEND STAGES 15B, 20 & 21 (LEVEL 1)
Project Location: WEIR VIEWS
Work Request: 2209
Date Sampled: 14/04/2026 13:00
Dates Tested: 14/04/2026 - 15/04/2026
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: Seventh Bend
Material: gravelly CLAY, med-high plasticity, brown
Material Source: Onsite stockpiles

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C & T Geotechnical (Melbourne) Pty Ltd
47A Assembly Drive Tullamarine VIC 3043
Phone: 0410 530 191
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	0345-S45	0345-S46	0345-S47	0345-S48	0345-S49	0345-S50
Date Tested	14/04/2026	14/04/2026	14/04/2026	14/04/2026	14/04/2026	14/04/2026
Time Tested	13:33	13:39	13:45	13:51	13:55	14:01
Test Request #/Location	Lot 2118	Lot 2119	Lot 2120	Lot 2121	Lot 2122	Lot 2026
Easting	286734	286720	286703	286702	286702	286824
Northing	5822405	5822399	5822404	5822396	5822386	5822416
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 (%)	16	6	9	17	9	6
Field Wet Density (FWD) t/m^3	1.95	1.97	1.96	1.97	1.98	1.97
Field Moisture Content %	20.2	19.1	18.0	17.5	16.6	18.8
Field Dry Density (FDD) t/m^3	1.62	1.66	1.66	1.68	1.70	1.66
Peak Converted Wet Density t/m^3	**	**	**	**	**	**
Adjusted Peak Converted Wet Density t/m^3	1.92	1.89	1.89	1.95	1.90	1.93
Moisture Variation (Wv) %	**	**	**	**	**	**
Adjusted Moisture Variation %	2.0	2.0	2.0	2.5	3.0	1.5
Hilf Density Ratio (%)	**102.0**	**104.0**	**103.5**	**101.0**	**104.5**	**102.0**
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

GEOTECHNICAL