



Pearce Geotech

REDSTONE STAGE 18A

Level One Report

Winslow Constructors

P262601

Date 3rd June 2026



3rd June 2026

Winslow Constructors
2 Shepherds Lane,
Sunbury, Vic, 3429

Attention: Mohamed Ibrahim

Dear Mohamed,

RE: Redstone Stage 18A
Level 1 Report

This letter presents a report by Pearce Geotech Pty Ltd (PG) on Level 1 Testing Services undertaken for the construction of the fill at Redstone Stage 18A. One electronic copy provided.

Please do not hesitate to contact the undersigned should there be any queries regarding this report.

For and on behalf of Pearce Geotech Pty Ltd.

Regards,

A handwritten signature in blue ink, appearing to read "Lee Christie", is positioned above the printed name.

Lee Christie

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**The leading provider of construction
material testing in Australia**

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1 INTRODUCTION

This is a Level One Report for the above-mentioned works and presents the results of compaction control and laboratory testing services provided by Pearce Geotech Pty Ltd (PG) during the construction of fill at Redstone Stage 18A.

PG was engaged by Winslow Constructors to provide Level 1 testing services for the duration of these works in accordance with the project requirements. The work was commissioned by Mohamed Ibrahim.

Level 1 testing, as defined in AS3798-2007 "Guidelines on Earthworks for Commercial and Residential Development", 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". The Level 1 testing was undertaken by a technician from PG during 21st February 2026 and 28th May 2026.

2 SCOPE OF WORK

2.1 Area of Work

PG provided testing and supervision of fill placed for the dates shown in Appendix A. Conditioning and placement methodology was observed by experienced PG technicians during the period of works. The testing locations were chosen by a PG technician within the relevant work areas of each allotment. Additionally, spot checks for density and moisture were conducted to provide feedback to ground staff during the construction of fill.

This report does not include fill other than where-mentioned in this report or any other fill that may be placed during this period or subsequent periods at or surrounding the subject site. Maintenance and protection of the fill is the obligation of the Contractor and PG takes no responsibility for the state of works outside of the dates shown under appendix A which may be influenced by weather events or continued work on the subject site.

2.2 Placement Specification

The works complete at Redstone Stage 18A were complete in accordance with AS3798.2007 Guidelines for Residential Earthworks. No relevant project specification was provided.

3 CONSTRUCTION PLANT

The following construction plant was used on site as required:

- 1 x Watercart
- 1 x 14t Padfoot Roller
- 1 x Compactor
- 1 x Excavator
- Dump Trucks

4 INSPECTION AND TESTING

4.1 Construction Materials

CLAY, medium plasticity, brown, trace of gravel was used as fill for this project.

Fill material was sourced from:

- Site Won

All material was tested for compliance, spread and watered to achieve the specified density and moisture specification.

4.2 Fill Placement

During the initial site inspection, a proof-roll was complete using a fully loaded watercart with a minimum weight exceeding 12t which confirmed a suitable base for placement.

Compaction tests and a proof roll were conducted on each tested layer of compacted allotment fill to ensure compliance with the specification and samples of the fill material were tested in PG's NATA accredited laboratory at 23 Nobility Street Moolap, Vic 3221 (Accreditation Number 18877) to determine the Hilt density ratio and moisture ratio of the material. In total 9 field density tests and 9 moisture contents were conducted.

Controlled Fill material was placed and spread by the appropriate machinery no more than 150/200mm thick and loose, simultaneously water conditioned wherever required and compacted using a 14t padfoot roller and 815 compactor. Oversize and any deleterious material was removed if sighted.

4.2.1 Test Summary

Refer to Appendix A.

5 STATEMENT OF COMPLIANCE

PG personnel have provided Level 1 inspection and testing services during construction of the fill at Redstone Stage 18A. A technician from PG was on site on a fulltime basis during fill placement and observed the construction techniques adopted.

Based on these observations made by PG personnel and the results of field and laboratory tests, we consider that the fill has been placed in accordance with the intent of the specification mentioned.

For and on behalf of Pearce Geotech Pty Ltd

Regards



Lee Christie
Coordinator

Appendix A

Test Results

Material Test Report

Report Number: P262601-1
Issue Number: 4 - This version supersedes all previous issues
Reissue Reason: Test location amended due to data entry error
Date Issued: 03/06/2026
Client: Winslow Constructors Pty Ltd
Level 1, 6 English Street, Essendon Fields Vic 3041
Contact: Adam Liali
Project Number: P262601
Project Name: Redstone Estate - Stage 18A
Project Location: Origin Drive, Sunbury
Client Reference: WC430899
Work Request: 37740
Date Sampled: 21/02/2026
Dates Tested: 21/02/2026 - 25/02/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Remarks: TRN 21486
Specification: 98% Standard
Location: TRN 21486
Material: Clay
Material Source: Site Won



Accredited for compliance with ISO/IEC 17025 - Testing


Approved Signatory: Lee Christie
Client Manager
Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	26-37740A	26-37740B	26-37740C	26-37740D	26-37740E
Date Tested	21/02/2026	21/02/2026	21/02/2026	21/02/2026	21/02/2026
Time Tested	10:29	10:36	10:40	10:51	11:11
Test Request #/Location	Lot 1804	Lot 1805	Lot 1801	Lot 1802	Lot 1803
Layer / Reduced Level	Lift 1	Lift 2	Lift 1	Lift 2	Lift 3
Thickness of Layer (mm)	200	200	200	200	200
Soil Description	Clay	Clay	Clay	Clay	Clay
Test Depth (mm)	175	175	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	**	**	**	**	**
Field Wet Density (FWD) (t/m ³)	2.01	2.02	2.00	1.99	2.00
Field Moisture Content (%)	32.7	33.0	32.8	33.5	34.4
Field Dry Density (FDD) (t/m ³)	1.52	1.52	1.50	1.49	1.49
Peak Converted Wet Density (t/m ³)	1.99	1.98	1.99	1.99	1.98
Adjusted Peak Converted Wet Density (t/m ³)	**	**	**	**	**
Moisture Variation (Wv) (%)	0.0	0.0	0.0	0.0	0.0
Adjusted Moisture Variation (%)	**	**	**	**	**
Hilf Density Ratio (%)	101.0	102.0	100.5	100.0	101.0
Compaction Method	Standard	Standard	Standard	Standard	Standard
Remarks	**	**	**	**	**

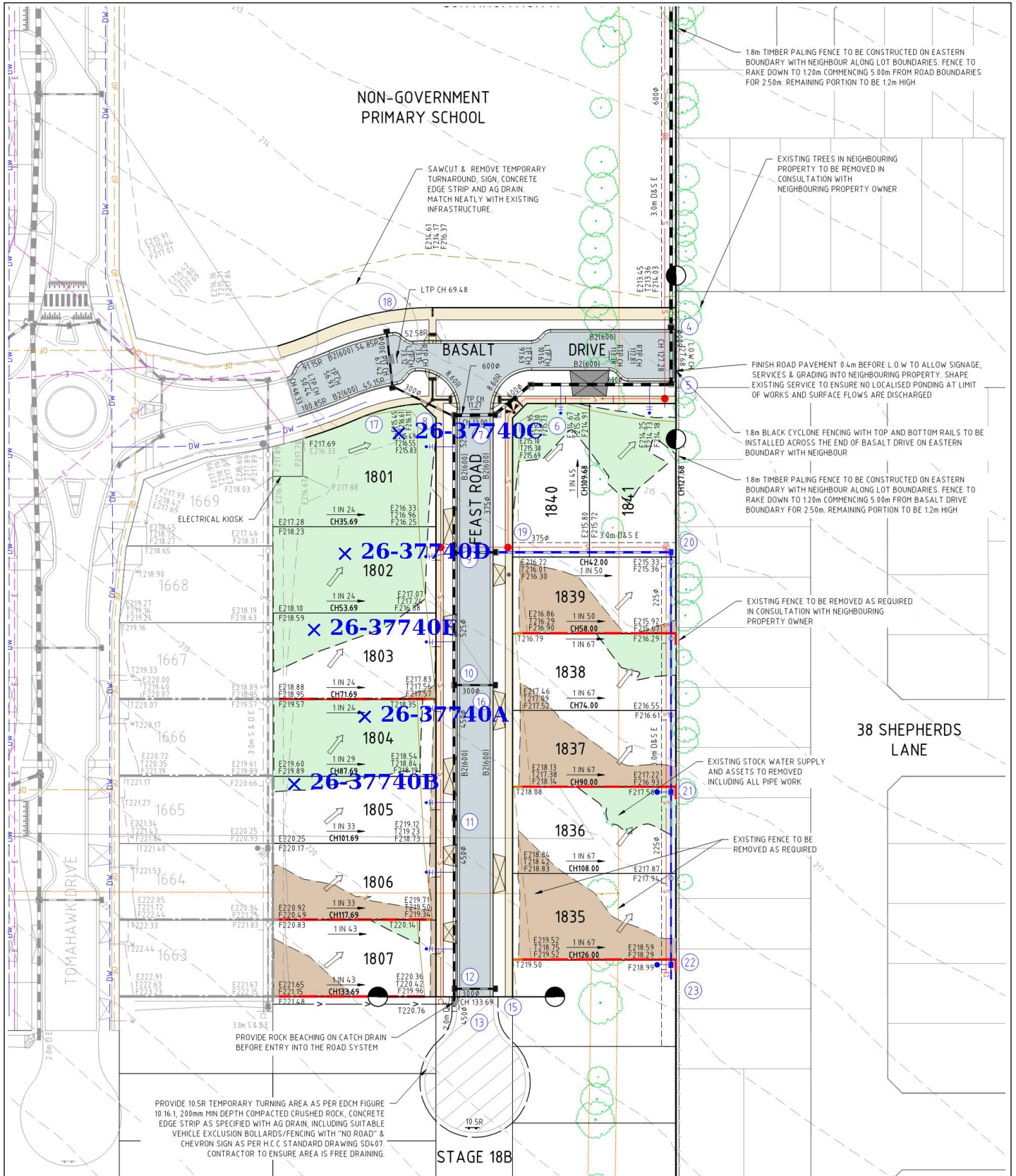
Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC

Sample Locations Plan

x - approximate test location



Material Test Report



Pearce Geotech Pty Ltd

23 Nobility Street Moolap VIC 3221

Phone: 0447693740

Email: LeeC@pgeo.com.au

Report Number: P262601-7
Issue Number: 2 - This version supersedes all previous issues
Reissue Reason: Data entry error - Reported with out sample E. Amended.
Date Issued: 03/06/2026
Client: Winslow Constructors Pty Ltd
Level 1, 6 English Street, Essendon Fields Vic 3041
Contact: Adam Liali
Project Number: P262601
Project Name: Redstone Estate - Stage 18A
Project Location: Origin Drive, Sunbury
Client Reference: WC430899
Work Request: 39126
Date Sampled: 28/05/2026
Dates Tested: 28/05/2026 - 02/06/2026
Sampling Method: AS 1289.1.2.1 6.4 (b) - Sampling from layers in earthworks or pavement - compacted
Specification: 95% Standard
Location: Sunbury
Material: silty CLAY, medium plasticity, brown
Material Source: Onsite



Accredited for compliance with ISO/IEC 17025 - Testing

Approved Signatory: Lee Christie
Client Manager
Laboratory Number: 18877

Compaction Control AS 1289 5.7.1 & 5.8.1 & 2.1.1					
Sample Number	26-39126A	26-39126B	26-39126C	26-39126D	26-39126E
Date Tested	28/05/2026	28/05/2026	28/05/2026	28/05/2026	28/05/2026
Time Tested	13:12	13:27	13:36	13:47	13:55
Test Request #/Location	Refer to plan	Refer to plan	Refer to plan	Refer to plan	Refer to plan
Layer / Reduced Level	FSL	FSL	FSL	FSL	FSL
Thickness of Layer (mm)	200	200	200	200	200
Soil Description	silty, CLAY, med plas, brown	silty, CLAY, med plas, brown	silty, CLAY, med plas, brown	silty, CLAY, med plas, brown	silty, CLAY, med plas, brown
Test Depth (mm)	175	175	175	175	175
Sieve used to determine oversize (mm)	19.0	19.0	19.0	19.0	19.0
Percentage of Wet Oversize (%)	0	3	1	0	0
Field Wet Density (FWD) (t/m ³)	2.08	2.06	1.96	2.05	2.05
Field Moisture Content (%)	19.9	19.3	22.3	19.5	19.5
Field Dry Density (FDD) (t/m ³)	1.74	1.72	1.60	1.72	1.72
Peak Converted Wet Density (t/m ³)	2.08	**	**	2.03	2.06
Adjusted Peak Converted Wet Density (t/m ³)	**	2.09	2.00	**	**
Moisture Variation (Wv) (%)	1.0	**	**	1.5	-0.5
Adjusted Moisture Variation (%)	**	1.5	-0.5	**	**
Hilf Density Ratio (%)	100.0	98.5	98.0	101.0	99.5
Compaction Method	Standard	Standard	Standard	Standard	Standard
Remarks	**	**	**	**	**

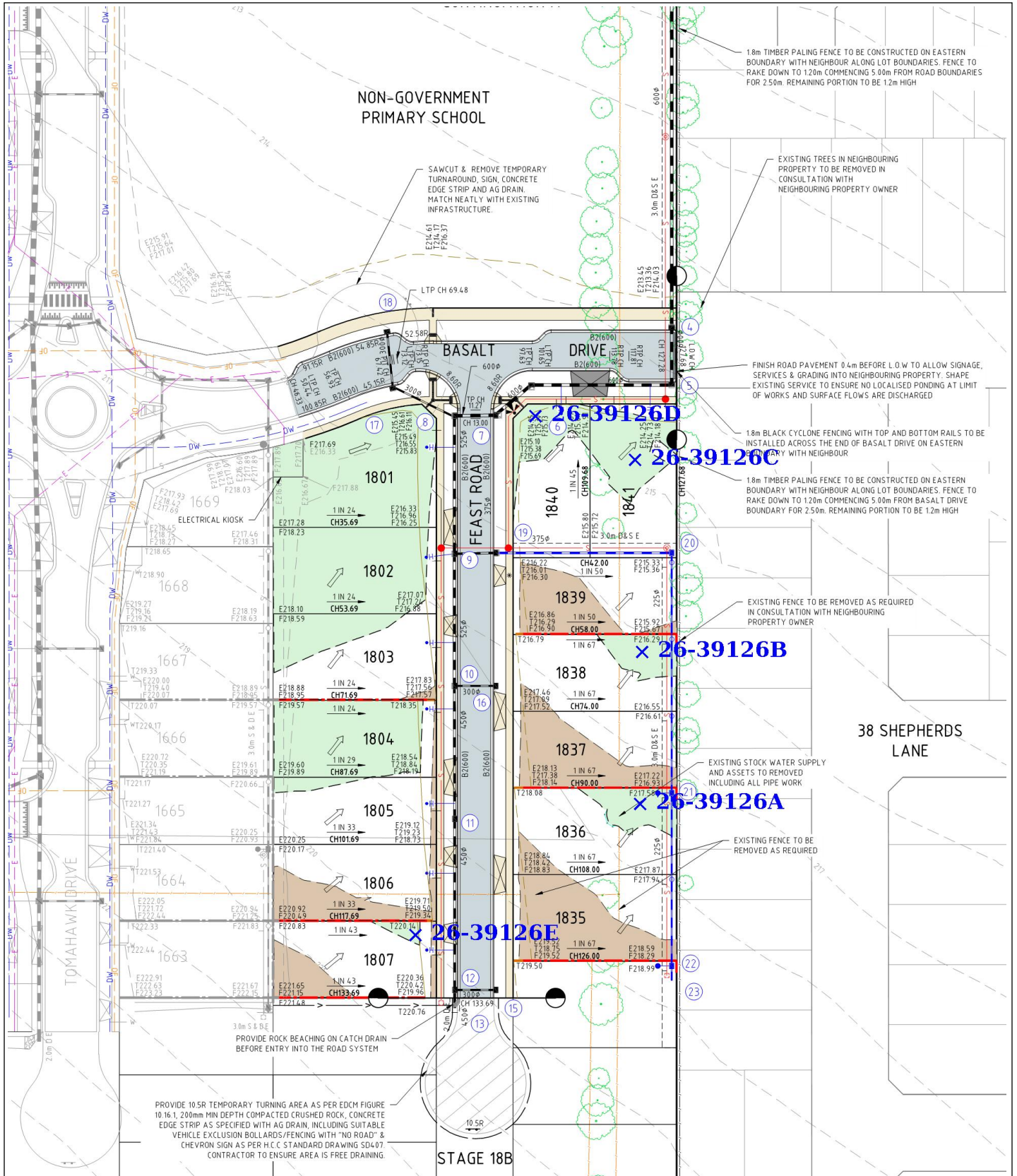
Moisture Variation Note:

Positive values = test is dry of OMC

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Sample Locations Plan

x - approximate test location



Project Summary Report

Report Date: 03/06/2026
Client: Winslow Constructors Pty Ltd
Level 1, 6 English Street, Essendon Fields Vic 3041
Contact: Adam Liali
Project Number: P262601
Client Project Number: WC430899
Project Name: Redstone Estate - Stage 18A
Project Location: Origin Drive, Sunbury
Specification: 98% Standard
Test Methods: AS 1289 5.7.1 STD & 5.8.1 & 2.1.1

Lot #	Sample #	Date Sampled	Location	Location		Elevation (m)	Layer	Relative Compaction (%)	Moisture Variation (%)	Moisture Content (%)	Field Wet Density (t/m3)
**	26-37740A	21/02/2026	Lot 1804	**	**	**	Lift 1	101.0	0.0	32.7	2.01
**	26-37740B	21/02/2026	Lot 1805	**	**	**	Lift 2	102.0	0.0	33.0	2.02
**	26-37740C	21/02/2026	Lot 1801	**	**	**	Lift 1	100.5	0.0	32.8	2.00
**	26-37740D	21/02/2026	Lot 1802	**	**	**	Lift 2	100.0	0.0	33.5	1.99
**	26-37740E	21/02/2026	Lot 1803	**	**	**	Lift 3	101.0	0.0	34.4	2.00

Moisture Variation Note:

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Project Summary Report

Report Date: 03/06/2026
Client: Winslow Constructors Pty Ltd
Level 1, 6 English Street, Essendon Fields Vic 3041
Contact: Adam Liali
Project Number: P262601
Client Project Number: WC430899
Project Name: Redstone Estate - Stage 18A
Project Location: Origin Drive, Sunbury
Specification: 95% Standard
Test Methods: AS 1289 5.7.1 STD & 5.8.1 & 2.1.1

Lot #	Sample #	Date Sampled	Location	Location		Elevation (m)	Layer	Relative Compaction (%)	Moisture Variation (%)	Moisture Content (%)	Field Wet Density (t/m3)
**	26-39126A	28/05/2026	Refer to plan	**	**	**	FSL	100.0	1.0	19.9	2.08
**	26-39126B	28/05/2026	Refer to plan	**	**	**	FSL	98.5	1.5	19.3	2.06
**	26-39126C	28/05/2026	Refer to plan	**	**	**	FSL	98.0	-0.5	22.3	1.96
**	26-39126D	28/05/2026	Refer to plan	**	**	**	FSL	101.0	1.5	19.5	2.05
**	26-39126E	28/05/2026	Refer to plan	**	**	**	FSL	99.5	-0.5	19.5	2.05

Moisture Variation Note:

Positive values = test is dry of OMC

Negative values = test is wet of OMC