Construction Sciences Pty Ltd

ABN 74 128 806 735
Ph +61 3 9364 9301
60-64 Vella Drive, Sunshine West VIC 3020

Our Ref Wollert Rise Stage 2B - Level 1 Report
Contact Daniel Boyd

05/10/2026

Winslow Constructors PTY Ltd
50 Barry Rd, Campbellfield VIC 3061

Email: james.ciavarella@winslow.com.au

Dear James

AS 3798 Level 1 Supervision Report

This letter presents a Level 1 Supervision report for testing services undertaken by Construction Sciences during the placement of fill (earthworks) at Wollert Rise Stage 2B in Donnybrook.

The primary objective of level 1 inspection and testing is for Construction Sciences to express an opinion on the compliance of the work performed during the fill placement of this project.

AS 3798 provides guidance on the specification, execution, and control testing of earthworks and associated site preparation works for commercial and residential developments.

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

For and on behalf of Construction Sciences. Yours faithfully,

Daniel Boyd
Laboratory Manager
For Construction Sciences

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Level 1 Supervision Report

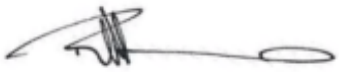
WOLLERT RISE STAGE 2B

Prepared for Winslow Constructors Pty Ltd
05/10/2026



Document Information	
Prepared for	Winslow Constructors Pty Ltd
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Contact Information	
Construction Sciences	ABN 74 128 806 735
Phone	+61 3 9364 9301
Email	melbourne@constructionsciences.net
Address	60-64 Vella Drive, Sunshine West VIC 3020



Bob Harris
Area Manager
Effective date: 5/10/2026



Haris Khan
Senior Technician
Date approved: 5/10/2026

DOCUMENT HISTORY

Version	Effective Date	Revision	Author	Reviewer	Recipient
01	05/10/2026	issue	H. Khan	R. Harris	J. Ciavarella

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1. Introduction

Construction Sciences Pty Ltd was commissioned by Winslow Constructors as the Geotechnical Inspection and Testing Authority (GITA) to provide Level 1 inspection and testing services for the placement of fill for the following project:

PROJECT: Wollert Rise Stage 2B

ADDRESS: Bodycoats Road, Wollert VIC 3750

The earthworks for this project was carried out from 11/06/2026 to 10/07/2026. The proposed development comprised of residential allotments with associated roads and drainage infrastructure.

Figure 1: Stage 2B – Site photo



2. Specification Requirements

Earthworks were carried out in accordance with AS3798-2007 *'Guidelines on earthworks for commercial and residential developments'* for this project.

The specification requirements provided in table 5.1 of AS 3798 item 1 "Residential" requires all fill to be placed and compacted in layers to a density ratio of not less than 95% of the wet density as determined by AS1289.5.7.1 (standard compaction), The moisture range adopted for the project is -2% to +2% of Optimum Moisture Content.

3. Inspection and Testing

3.1 Surface and Ground Preparation

Construction Sciences was present for the site stripping which included removal of topsoil, vegetation, and any other deleterious materials. After stripping, all areas were proof rolled prior to fill placement using a fully loaded water cart. All areas were assessed for movements prior to fill material being placed.

Areas exceeding deflection limits (<5mm) were excavated and reworked using imported fill material. Where no significant deflection was observed, and the foundation was considered appropriately prepared to receive fill placement.

3.2 Earthworks Materials

Supervision and testing for this project included excavation to the design subgrade and placement of fill material to the final surface level. Fill placement was carried out between 11/06/2026 to 10/07/2026. Based on the layout plans provided by the client, a fill volume of approximately 6307m^3 was placed for this project.

The fill material was sourced from onsite cut sections, as nominated by the on-site contractor. The material was transported to the site and stockpiled adjacent to the designated fill zones.

Construction Sciences performed an assessment of the fill source to identify the following material characteristics:

- Material suitability as an engineering property.
- Free of building debris, deleterious material and vegetative matter.
- Free of oversize rock particles.

Visual assessment on the above-mentioned imported fill material was carried out on-site and the fill materials used were considered acceptable for use on this project.

The nominated fill material was visually assessed as Cl Sandy SILT with Gravel, low plasticity, with fine to medium grain sand, brown, moist, W<WP. The classification test results are attached in Appendix A and the Material properties of the imported fill are shown in Table 1 below.

Table 1: Summary of Atterberg limits & PSD results

Sample No	Atterberg limits				Particle size distribution					
	LS %	LL %	PL %	PI %	19 mm	13.2 mm	4.75 mm	2.36 mm	0.425 mm	0.075 mm
S/26-47962	8.0	47	29	18	90	80	69	65	57	53

3.2.1 Material Placement

Fill material was moisture conditioned on site to achieve a moisture condition suitable for compaction. Following moisture conditioning, the material was then placed in near horizontal layers with a loose layer thickness of 350mm and compacted using a pad foot roller. Materials were placed within +/-2% of Optimum Moisture Content (OMC).

3.3 Field and Laboratory Testing

Compaction control tests were carried out at regular intervals throughout the placement of fill in accordance with the minimum test frequency recommendations included in AS3798-2007 *'Guidelines on earthworks for commercial and residential developments'*, table 8.1.

The type of earthworks selected was Type 1 - large scale operation, the frequency of testing was 1 test per 500m^3 distributed evenly throughout full depth and area or 3 tests per lot (Clause 1.2.8) in accordance with AS 3798 – Table 8.1.

A total of 66 field density tests were carried out throughout the earthworks. The average density ratio was 102.6% with a standard deviation of 1.4%.

The test results with the approximate test locations are included in Appendix A. A summary of field density and moisture results is included in Table 2 below and the site plans for Stage 2B are included in Appendix B.

Table 2: Summary of density & moisture results

Date	Test No.	Test Location	Density Ratio (%)	Moisture Ratio (%)
12/06/26	S/26-47954	Refer to Appendix B – Test Locations	103.0	98.5
12/06/26	S/26-47955	Refer to Appendix B – Test Locations	103.0	99.5
12/06/26	S/26-47956	Refer to Appendix B – Test Locations	103.5	98.5
12/06/26	S/26-47957	Refer to Appendix B – Test Locations	103.5	100.0
12/06/26	S/26-47958	Refer to Appendix B – Test Locations	102.5	99.0
12/06/26	S/26-47959	Refer to Appendix B – Test Locations	101.5	99.0
12/06/26	S/26-47960	Refer to Appendix B – Test Locations	101.5	99.5
12/06/26	S/26-47961	Refer to Appendix B – Test Locations	102.0	99.5

Date	Test No.	Test Location	Density Ratio (%)	Moisture Ratio (%)
15/06/26	S/26-47998	Refer to Appendix B – Test Locations	104.5	100.5
15/06/26	S/26-47999	Refer to Appendix B – Test Locations	102.0	100.0
15/06/26	S/26-48000	Refer to Appendix B – Test Locations	104.5	100.0
16/06/26	S/26-48486	Refer to Appendix B – Test Locations	102.5	100.0
16/06/26	S/26-48487	Refer to Appendix B – Test Locations	103.0	100.5
16/06/26	S/26-48488	Refer to Appendix B – Test Locations	105.5	100.5
16/06/26	S/26-48489	Refer to Appendix B – Test Locations	105.0	98.5
16/06/26	S/26-48490	Refer to Appendix B – Test Locations	103.0	100.0
16/06/26	S/26-48491	Refer to Appendix B – Test Locations	103.0	99.5
17/06/26	S/26-50055	Refer to Appendix B – Test Locations	104.0	98.0
17/06/26	S/26-50056	Refer to Appendix B – Test Locations	104.5	97.0
17/06/26	S/26-50057	Refer to Appendix B – Test Locations	102.0	96.5
17/06/26	S/26-50058	Refer to Appendix B – Test Locations	103.5	97.0
17/06/26	S/26-50059	Refer to Appendix B – Test Locations	100.5	97.0
17/06/26	S/26-50060	Refer to Appendix B – Test Locations	100.5	98.0
18/06/26	S/26-50061	Refer to Appendix B – Test Locations	102.5	99.5
18/06/26	S/26-50062	Refer to Appendix B – Test Locations	103.0	96.5
18/06/26	S/26-50063	Refer to Appendix B – Test Locations	102.0	99.0
18/06/26	S/26-50064	Refer to Appendix B – Test Locations	103.0	96.5
18/06/26	S/26-50065	Refer to Appendix B – Test Locations	102.5	99.0
19/06/26	S/26-50067	Refer to Appendix B – Test Locations	103.0	101.0
19/06/26	S/26-50068	Refer to Appendix B – Test Locations	102.5	102.0
19/06/26	S/26-50069	Refer to Appendix B – Test Locations	105.0	102.0
19/06/26	S/26-50070	Refer to Appendix B – Test Locations	103.5	100.0
19/06/26	S/26-50071	Refer to Appendix B – Test Locations	103.5	100.5
22/06/26	S/26-50338	Refer to Appendix B – Test Locations	102.5	97.5
22/06/26	S/26-50339	Refer to Appendix B – Test Locations	102.5	100.0
22/06/26	S/26-50340	Refer to Appendix B – Test Locations	102.0	100.5
23/06/26	S/26-50757	Refer to Appendix B – Test Locations	103.0	100.5
23/06/26	S/26-50758	Refer to Appendix B – Test Locations	103.5	100.0

Date	Test No.	Test Location	Density Ratio (%)	Moisture Ratio (%)
23/06/26	S/26-50759	Refer to Appendix B – Test Locations	103.5	100.0
24/06/26	S/26-51580	Refer to Appendix B – Test Locations	102.5	99.0
24/06/26	S/26-51581	Refer to Appendix B – Test Locations	102.0	99.0
24/06/26	S/26-51582	Refer to Appendix B – Test Locations	102.0	99.5
25/06/26	S/26-52117	Refer to Appendix B – Test Locations	101.5	101.0
25/06/26	S/26-52118	Refer to Appendix B – Test Locations	104.0	100.5
25/06/26	S/26-52119	Refer to Appendix B – Test Locations	105.0	100.5
26/06/26	S/26-52232	Refer to Appendix B – Test Locations	105.5	103.5
26/06/26	S/26-52233	Refer to Appendix B – Test Locations	101.0	102.0
26/06/26	S/26-52234	Refer to Appendix B – Test Locations	104.0	102.5
29/06/26	S/26-52821	Refer to Appendix B – Test Locations	101.0	102.0
29/06/26	S/26-52822	Refer to Appendix B – Test Locations	104.0	103.0
29/06/26	S/26-52823	Refer to Appendix B – Test Locations	105.0	102.0
06/07/26	S/26-55036	Refer to Appendix B – Test Locations	100.5	100.0
06/07/26	S/26-55037	Refer to Appendix B – Test Locations	104.0	101.0
06/07/26	S/26-55038	Refer to Appendix B – Test Locations	103.0	100.0
07/07/26	S/26-55812	Refer to Appendix B – Test Locations	102.0	98.0
07/07/26	S/26-55813	Refer to Appendix B – Test Locations	100.5	99.0
07/07/26	S/26-55814	Refer to Appendix B – Test Locations	102.5	98.0
08/07/26	S/26-56305	Refer to Appendix B – Test Locations	102.5	100.0
08/07/26	S/26-56306	Refer to Appendix B – Test Locations	103.0	100.5
08/07/26	S/26-56307	Refer to Appendix B – Test Locations	103.5	99.0
09/07/26	S/26-56313	Refer to Appendix B – Test Locations	97.5	100.0
09/07/26	S/26-56314	Refer to Appendix B – Test Locations	100.5	101.5
09/07/26	S/26-56315	Refer to Appendix B – Test Locations	101.0	100.5
10/07/26	S/26-56764	Refer to Appendix B – Test Locations	101.0	102.5
10/07/26	S/26-56765	Refer to Appendix B – Test Locations	100.5	100.0
10/07/26	S/26-56766	Refer to Appendix B – Test Locations	101.5	100.5

4. Conclusion

It is considered that the placement of fill at Wollert Rise Stage 2B between 11th of June 2026 to 10th of July 2026 under the Level 1 supervision of Construction Sciences was carried out in a controlled manner and has met the project compaction and placement moisture content requirements.

It is concluded that the fill may be deemed to be 'controlled fill' in accordance with AS2870 – 2011 'Residential Slabs & Footings' and the Level 1 requirements of AS3798-2007.

For and on behalf of Construction Sciences. Yours faithfully,



Daniel Boyd
Laboratory Manager
For Construction Sciences

5. Important Information About This Level One Report

Scope of Works

This report has been prepared in accordance with the requirements of AS 3798 and is limited to the scope of investigation, inspection and testing services commissioned by the client.

Site Conditions

Subsurface conditions may vary significantly between test locations. Boreholes, test pits, density tests and observations represent only the specific locations tested and the conditions encountered at those locations. No warranty is given that the conditions observed are representative of conditions across the entire site.

Reliance of Provided Information

Information provided by the client, designers, contractors, surveyors or other third parties has been assumed to be correct unless stated otherwise. Construction Sciences accepts no responsibility for errors or omissions in data supplied by others.

Construction Variations

Earthworks and construction activities undertaken after inspections may alter conditions on site. Construction Sciences responsibility is limited to the periods during which inspections or tests were conducted. Unobserved works or changes to earthworks procedures beyond the frequency of inspection required by AS 3798 may affect compliance.

Use of Report

This report is intended for the exclusive use of the client for the specific project and purpose stated herein. It should not be relied upon by other parties or for other projects without written approval from Construction Sciences. Misinterpretation of this report or use beyond its stated scope is the responsibility of the user.

Regulatory and design Requirements

Construction Sciences role under AS 3798 is limited to inspection and testing for compliance with the specified earthworks standards. Construction Sciences is not responsible for structural design, drainage design, environmental assessments, or regulatory approvals unless explicitly included in the scope.

Unforeseen Conditions

Natural ground conditions, groundwater levels, or buried obstructions may differ from those encountered during the investigations. Should previously unknown conditions be identified during construction, additional geotechnical assessment may be required.

Changes After Issue

This report is based on site conditions, earthworks specifications and project documentation available at the time of preparation. Any changes to design, site use, or earthworks methodology may render elements of this report invalid.

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Appendix A

Test Results

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-16725-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7222
Component:	Swale & North Basin	Client Reference/s:	Level 1 Supervision 12/06/26
Area Description:	Refer To Map	Report Date / Page:	19/06/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-47954	14874/S/26-47955	14874/S/26-47956	14874/S/26-47957
ID / Client ID	Swale	Swale	Swale	Swale
Lot Number	-	-	-	-
Date / Time Tested	12/06/2026 09:10	12/06/2026 09:10	12/06/2026 11:25	12/06/2026 11:25
Material Source	Imported	Imported	Imported	Imported
Material Type	Insitu	Insitu	Insitu	Insitu
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	275 / 300 / -
Standard or Modified	Standard	Standard	Standard	Standard
Layer Number	1	1	2	2
Location Number	1	2	3	4
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	< 19.0 mm
Sample Oversize (%)	0	0	0	0
Compaction Sample Number	14874/S/26-47954	14874/S/26-47955	14874/S/26-47956	14874/S/26-47957
Sample Description	Insitu	Insitu	Insitu	Insitu
Moisture Test Results:				
Field Moisture Content (%)	18.7	21.2	18.4	21.3
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	**0.0**
Optimum Moisture Content (%)	19.0	21.5	18.5	21.5
Moisture Variation from OMC	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)	(at OMC)
Moisture Ratio (%)	**98.5**	**99.5**	**98.5**	**100.0**
Density Test Results:				
Field Wet Density (t/m³)	2.04	2.06	2.00	2.05
Field Dry Density (t/m³)	1.72	1.70	1.69	1.69
Adj/Peak Conv Wet Density (t/m³)	1.98	2.00	1.93	1.98
Density Ratio Required (%)	95	95	95	95
Hilf Density Ratio (%)	**103.0**	**103.0**	**103.5**	**103.5**

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Accreditation Number: 1986
Corporate Site Number: 14874



Approved Signatory: Nawin Dahal
Form ID: W5ASMRRepSum Rev 4

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-16725-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7222
Component:	Swale & North Basin	Client Reference/s:	Level 1 Supervision 12/06/26
Area Description:	Refer To Map	Report Date / Page:	19/06/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-47958	14874/S/26-47959	14874/S/26-47960	14874/S/26-47961
ID / Client ID	North Basin	North Basin	Swale	Swale
Lot Number	-	-	-	-
Date / Time Tested	12/06/2026 12:25	12/06/2026 12:25	12/06/2026 15:30	12/06/2026 15:30
Material Source	Imported	Imported	Imported	Imported
Material Type	Insitu	Insitu	Insitu	Insitu
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b
Depths: Test / Nom / Actual (mm)	275 / 300 / -	275 / 300 / -	275 / 300 / -	275 / 300 / -
Standard or Modified	Standard	Standard	Standard	Standard
Layer Number	1	1	3	3
Location Number	5	6	7	8
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	< 19.0 mm
Sample Oversize (%)	0	0	0	0
Compaction Sample Number	14874/S/26-47958	14874/S/26-47959	14874/S/26-47960	14874/S/26-47961
Sample Description	Insitu	Insitu	Insitu	Insitu
Moisture Test Results:				
Field Moisture Content (%)	20.3	19.8	21.0	16.9
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	**0.0**
Optimum Moisture Content (%)	20.5	20.0	21.0	17.0
Moisture Variation from OMC	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)
Moisture Ratio (%)	**99.0**	**99.0**	**99.5**	**99.5**
Density Test Results:				
Field Wet Density (t/m³)	2.02	1.99	2.02	2.02
Field Dry Density (t/m³)	1.68	1.66	1.67	1.73
Adj/Peak Conv Wet Density (t/m³)	1.96	1.96	1.99	1.98
Density Ratio Required (%)	95	95	95	95
Hilf Density Ratio (%)	**102.5**	**101.5**	**101.5**	**102.0**

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Approved Signatory: Nawin Dahal
Form ID: W5ASMRRepSum Rev 4

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

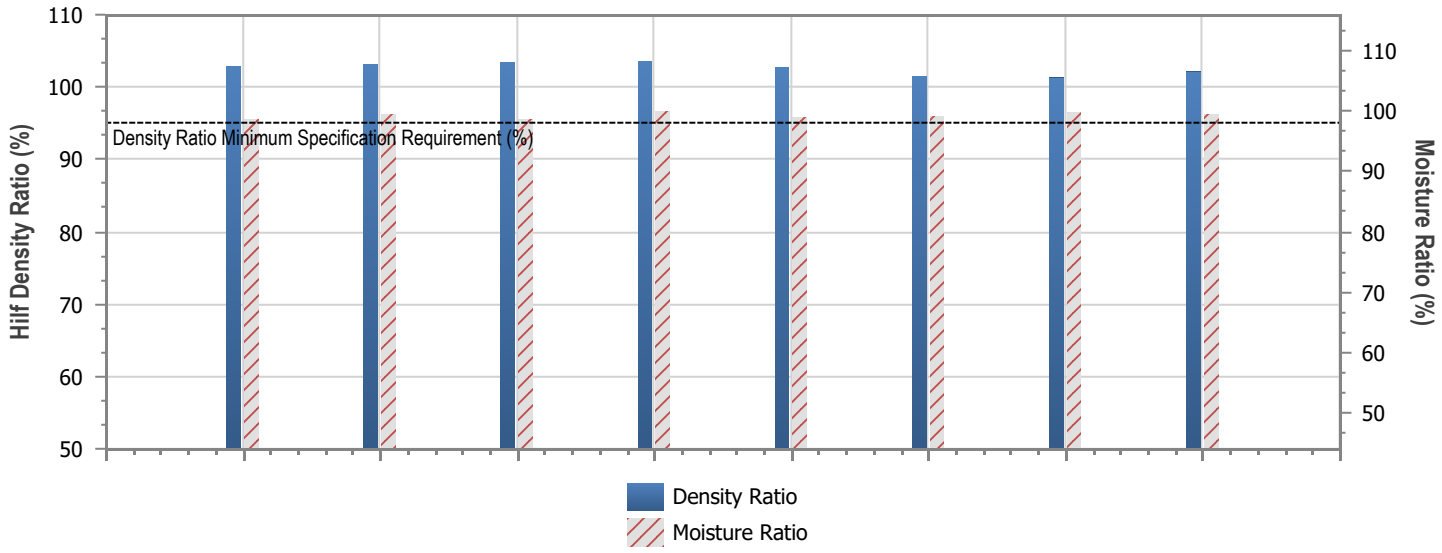
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-16725-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7222
Component:	Swale & North Basin	Client Reference/s:	Level 1 Supervision 12/06/26
Area Description:	Refer To Map	Report Date / Page:	19/06/2026 Page 3 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 8	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	98.7	100.0	99.3	0.474
Hilf Density Ratio (%)	101.3	103.6	102.6	0.859

Lot Number: -

Characteristic Moisture Ratio (%) 98.8

Characteristic Density Ratio (%): 101.8

Remarks

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Corporate Site Number: 14874

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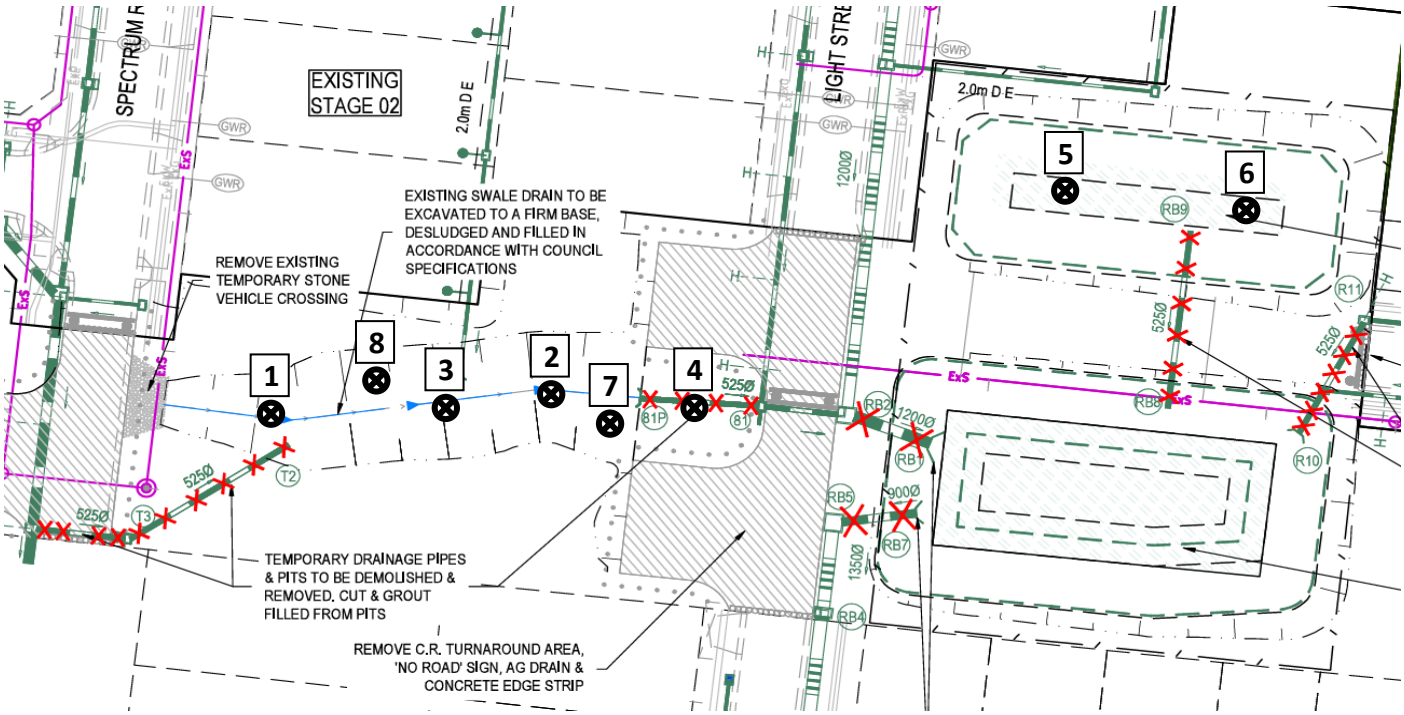
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7222
Date Tested:	12/06/2026



Construction Sciences
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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17037-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7223
Component:	Swale	Client Reference/s:	Level 1 Supervision 15/06/26
Area Description:	Refer To Map	Report Date / Page:	23/06/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-47998	14874/S/26-47999	14874/S/26-48000	
ID / Client ID	Swale	Swale	Swale	
Lot Number	-	-	-	
Date / Time Tested	15/06/2026 11:30	15/06/2026 11:30	15/06/2026 11:30	
Material Source	Onsite	Onsite	Onsite	
Material Type	Insitu	Insitu	Insitu	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	4	4	4	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	0	0	
Compaction Sample Number	14874/S/26-47998	14874/S/26-47999	14874/S/26-48000	
Sample Description	Insitu	Insitu	Insitu	
Moisture Test Results:				
Field Moisture Content (%)	20.4	18.6	14.0	
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	
Optimum Moisture Content (%)	20.5	18.5	14.0	
Moisture Variation from OMC	(Wetter than OMC)	(at OMC)	(at OMC)	
Moisture Ratio (%)	**100.5**	**100.0**	**100.0**	
Density Test Results:				
Field Wet Density (t/m³)	2.11	2.03	2.15	
Field Dry Density (t/m³)	1.76	1.71	1.88	
Adj/Peak Conv Wet Density (t/m³)	2.03	1.99	2.05	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**104.5**	**102.0**	**104.5**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Accreditation Number: 1986
Corporate Site Number: 14874

Approved Signatory: Daniel Boyd
Form ID: W5ASMRRepSum Rev 4

Construction Sciences
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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

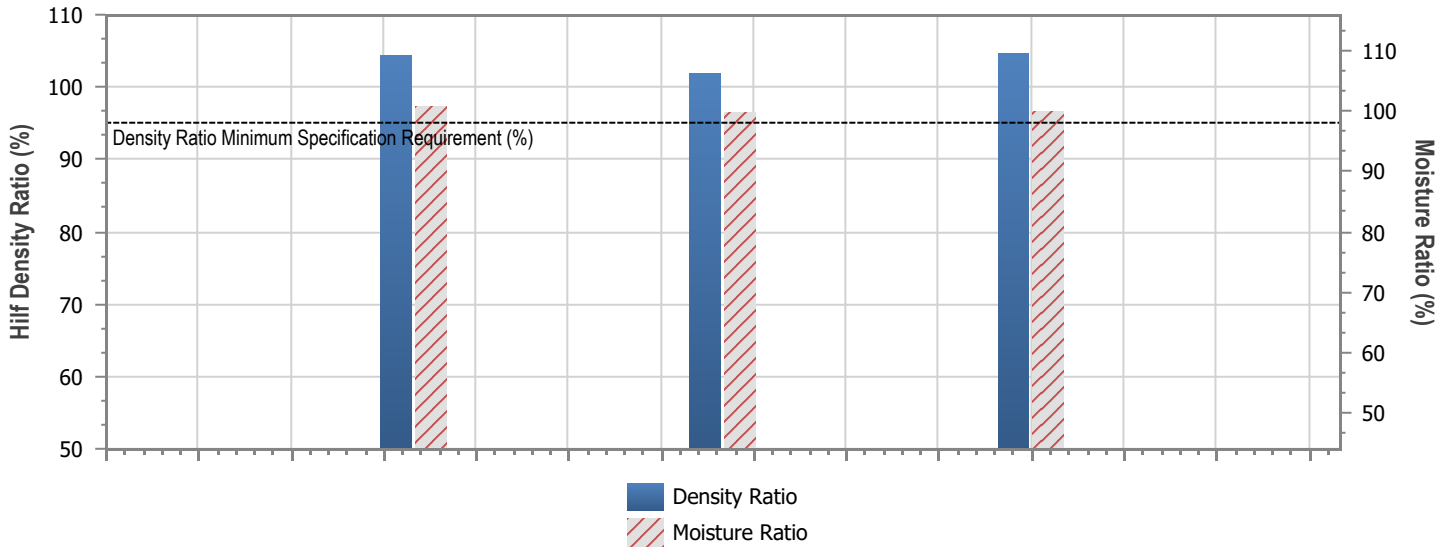
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17037-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7223
Component:	Swale	Client Reference/s:	Level 1 Supervision 15/06/26
Area Description:	Refer To Map	Report Date / Page:	23/06/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	99.8	100.7	100.1	0.493
Hilf Density Ratio (%)	101.8	104.6	103.6	1.537

Lot Number: -

Mean Moisture Ratio (%): 100.1

Mean Density Ratio (%): 103.6

Remarks

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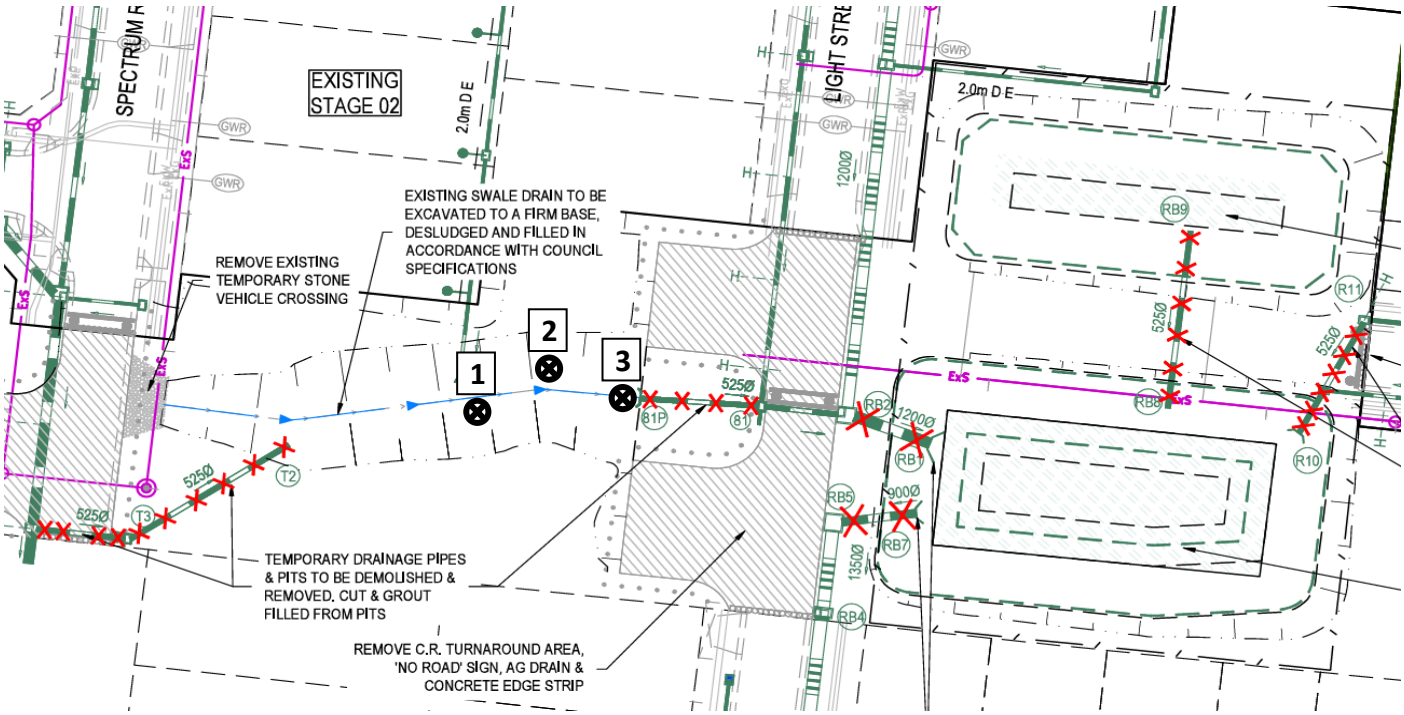
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7223
Date Tested:	15/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: **Melbourne Laboratory**
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17038-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7298
Component:	Swale & North Basin	Client Reference/s:	Level 1 Supervision 16/06/26
Area Description:	Refer To Map	Report Date / Page:	23/06/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-48486	14874/S/26-48487	14874/S/26-48488	14874/S/26-48489
ID / Client ID	Swale	Swale	North Basin	North Basin
Lot Number	-	-	-	-
Date / Time Tested	16/06/2026 08:00	16/06/2026 08:00	16/06/2026 09:00	16/06/2026 09:00
Material Source	Onsite	Onsite	Onsite	Onsite
Material Type	Insitu	Insitu	Insitu	Insitu
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	275 / 300 / -
Standard or Modified	Standard	Standard	Standard	Standard
Layer Number	5	5	2	2
Location Number	1	2	3	4
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	< 19.0 mm
Sample Oversize (%)	0	0	0	0
Compaction Sample Number	14874/S/26-48486	14874/S/26-48487	14874/S/26-48488	14874/S/26-48489
Sample Description	Insitu	Insitu	Insitu	Insitu
Moisture Test Results:				
Field Moisture Content (%)	19.2	19.0	17.0	17.4
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	**0.0**
Optimum Moisture Content (%)	19.0	19.0	17.0	17.5
Moisture Variation from OMC	(at OMC)	(Wetter than OMC)	(Wetter than OMC)	(Drier than OMC)
Moisture Ratio (%)	**100.0**	**100.5**	**100.5**	**98.5**
Density Test Results:				
Field Wet Density (t/m³)	2.03	2.03	2.11	2.10
Field Dry Density (t/m³)	1.70	1.70	1.81	1.79
Adj/Peak Conv Wet Density (t/m³)	1.98	1.97	2.00	2.00
Density Ratio Required (%)	95	95	95	95
Hilf Density Ratio (%)	**102.5**	**103.0**	**105.5**	**105.0**

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17038-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7298
Component:	Swale & North Basin	Client Reference/s:	Level 1 Supervision 16/06/26
Area Description:	Refer To Map	Report Date / Page:	23/06/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-48490	14874/S/26-48491		
ID / Client ID	North Basin	North Basin		
Lot Number	-	-		
Date / Time Tested	16/06/2026 13:00	16/06/2026 13:00		
Material Source	Onsite	Onsite		
Material Type	Insitu	Insitu		
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b		
Depths: Test / Nom / Actual (mm)	275 / 300 / -	275 / 300 / -		
Standard or Modified	Standard	Standard		
Layer Number	3	3		
Location Number	5	6		
Test Fraction (mm)	< 19.0 mm	< 19.0 mm		
Sample Oversize (%)	0	0		
Compaction Sample Number	14874/S/26-48490	14874/S/26-48491		
Sample Description	Insitu	Insitu		
Moisture Test Results:				
Field Moisture Content (%)	17.1	22.0		
Adjusted / Moist. Variation (%)	**0.0**	**0.0**		
Optimum Moisture Content (%)	17.0	22.0		
Moisture Variation from OMC	(at OMC)	(Drier than OMC)		
Moisture Ratio (%)	**100.0**	**99.5**		
Density Test Results:				
Field Wet Density (t/m³)	2.04	2.03		
Field Dry Density (t/m³)	1.74	1.66		
Adj/Peak Conv Wet Density (t/m³)	1.99	1.97		
Density Ratio Required (%)	95	95		
Hilf Density Ratio (%)	**103.0**	**103.0**		

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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ID: 74 128 806 735

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Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

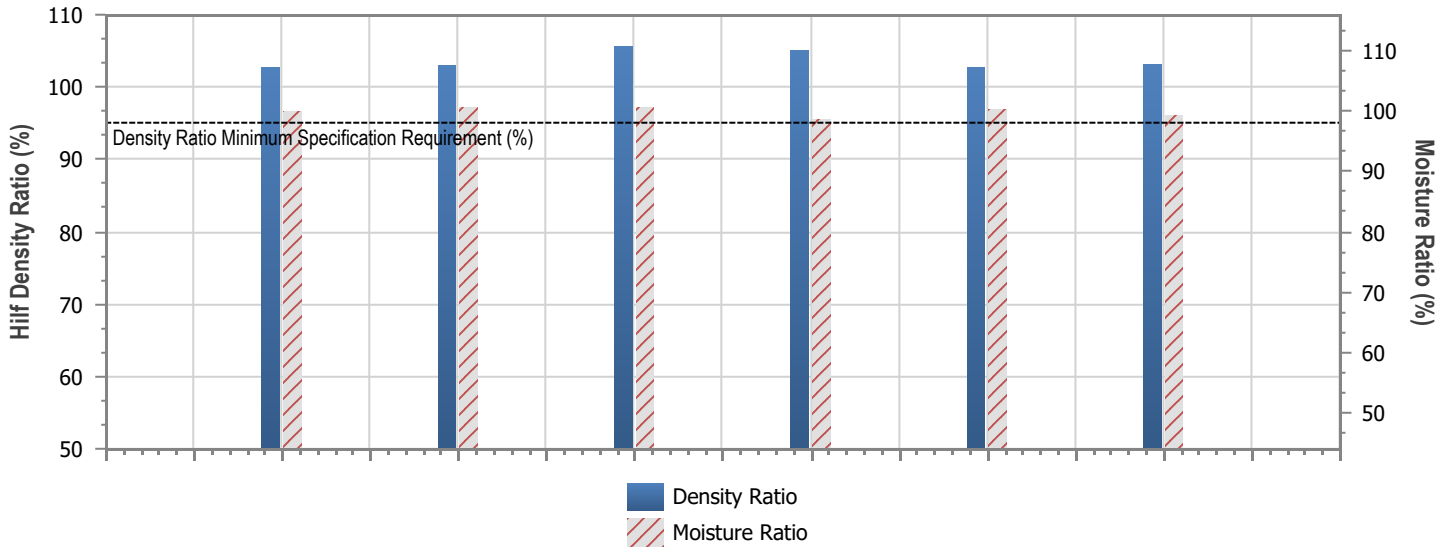
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17038-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7298
Component:	Swale & North Basin	Client Reference/s:	Level 1 Supervision 16/06/26
Area Description:	Refer To Map	Report Date / Page:	23/06/2026 Page 3 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 6	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	98.6	100.6	99.9	0.791
Hilf Density Ratio (%)	102.7	105.6	103.7	1.285

Lot Number: -

Characteristic Moisture Ratio (%) 99.2

Characteristic Density Ratio (%): 102.5

Remarks

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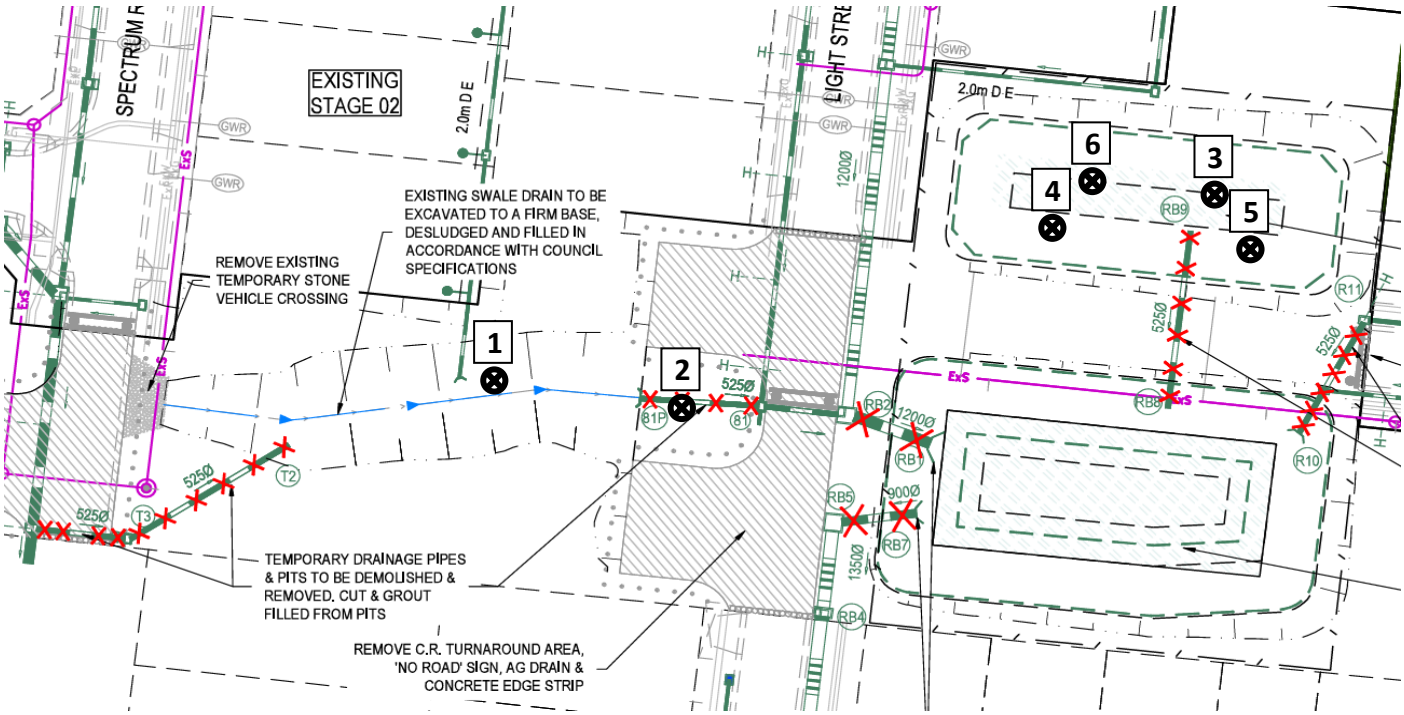
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7298
Date Tested:	16/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: **Melbourne Laboratory**
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17039-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 17.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7497
Component:	South Basin	Client Reference/s:	Level 1 supervision 17.06.2026
Area Description:	RTM	Report Date / Page:	23/06/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50055	14874/S/26-50056	14874/S/26-50057	14874/S/26-50058
ID / Client ID	Level 1 supervision 17.06.2026	Level 1 supervision 17.06.2026	Level 1 supervision 17.06.2026	Level 1 supervision 17.06.2026
Lot Number	Compaction testing 17.06.2026	Compaction testing 17.06.2026	Compaction testing 17.06.2026	Compaction testing 17.06.2026
Date / Time Tested	17/06/2026 09:30	17/06/2026 09:30	17/06/2026 09:30	17/06/2026 09:30
Material Source	Onsite	Onsite	Onsite	Onsite
Material Type	Imported	Imported	Imported	Imported
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	275 / 300 / -
Standard or Modified	Standard	Standard	Standard	Standard
Layer Number	Layer 1	Layer 2	Layer 3	Layer 4
Location Number	1	2	3	4
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	< 19.0 mm
Sample Oversize (%)	0	0	0	0
Compaction Sample Number	14874/S/26-50055	14874/S/26-50056	14874/S/26-50057	14874/S/26-50058
Sample Description	Imported	Imported	Imported	Imported
Moisture Test Results:				
Field Moisture Content (%)	16.5	16.2	14.3	17.2
Adjusted / Moist. Variation (%)	**0.5**	**0.5**	**0.5**	**0.5**
Optimum Moisture Content (%)	17.0	16.5	15.0	17.5
Moisture Variation from OMC	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)
Moisture Ratio (%)	**98.0**	**97.0**	**96.5**	**97.0**
Density Test Results:				
Field Wet Density (t/m³)	2.14	2.12	2.05	2.10
Field Dry Density (t/m³)	1.84	1.82	1.79	1.79
Adj/Peak Conv Wet Density (t/m³)	2.06	2.02	2.01	2.03
Density Ratio Required (%)	95	95	95	95
Hilf Density Ratio (%)	**104.0**	**104.5**	**102.0**	**103.5**

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17039-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 17.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7497
Component:	South Basin	Client Reference/s:	Level 1 supervision 17.06.2026
Area Description:	RTM	Report Date / Page:	23/06/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50059	14874/S/26-50060		
ID / Client ID	Level 1 supervision 17.06.2026	Level 1 supervision 17.06.2026		
Lot Number	Compaction testing 17.06.2026	Compaction testing 17.06.2026		
Date / Time Tested	17/06/2026 09:30	17/06/2026 09:30		
Material Source	Onsite	Onsite		
Material Type	Imported	Imported		
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b		
Depths: Test / Nom / Actual (mm)	275 / 300 / -	275 / 300 / -		
Standard or Modified	Standard	Standard		
Layer Number	Layer 5	Layer 6		
Location Number	5	6		
Test Fraction (mm)	< 19.0 mm	< 19.0 mm		
Sample Oversize (%)	0	5		
Compaction Sample Number	14874/S/26-50059	14874/S/26-50060		
Sample Description	Imported	Imported		
Moisture Test Results:				
Field Moisture Content (%)	19.2	22.2		
Adjusted / Moist. Variation (%)	**0.5**	**0.5**		
Optimum Moisture Content (%)	19.5	22.5		
Moisture Variation from OMC	(Drier than OMC)	(Drier than OMC)		
Moisture Ratio (%)	**97.0**	**98.0**		
Density Test Results:				
Field Wet Density (t/m³)	2.01	2.02		
Field Dry Density (t/m³)	1.69	1.65		
Adj/Peak Conv Wet Density (t/m³)	2.01	2.01		
Density Ratio Required (%)	95	95		
Hilf Density Ratio (%)	**100.5**	**100.5**		

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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LOT REPORT - WET DENSITY RATIO

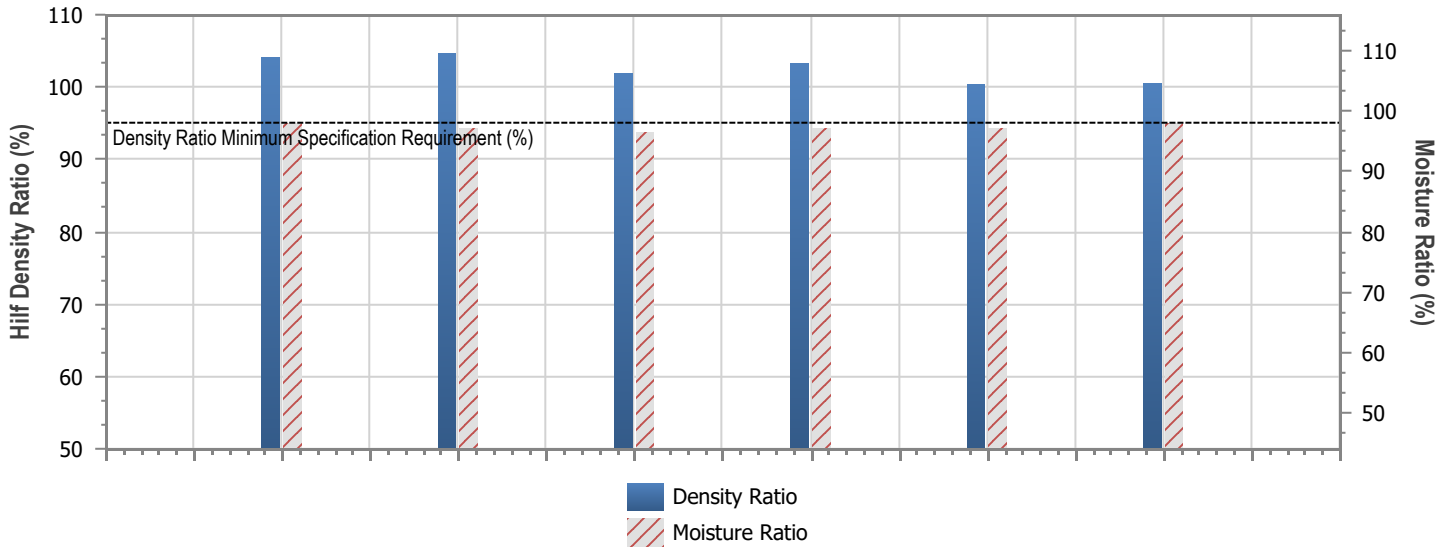
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17039-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 17.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7497
Component:	South Basin	Client Reference/s:	Level 1 supervision 17.06.2026
Area Description:	RTM	Report Date / Page:	23/06/2026 Page 3 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Lot Average (Lot average calculations are not covered by endorsement)

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 6	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	96.4	98.0	97.3	0.587
Hilf Density Ratio (%)	100.3	104.6	102.4	1.836

Lot Number:	**Compaction testing 17.06.2026**
Mean Moisture Ratio (%):	**97.3**
Mean Density Ratio (%):	**102.4**

Remarks

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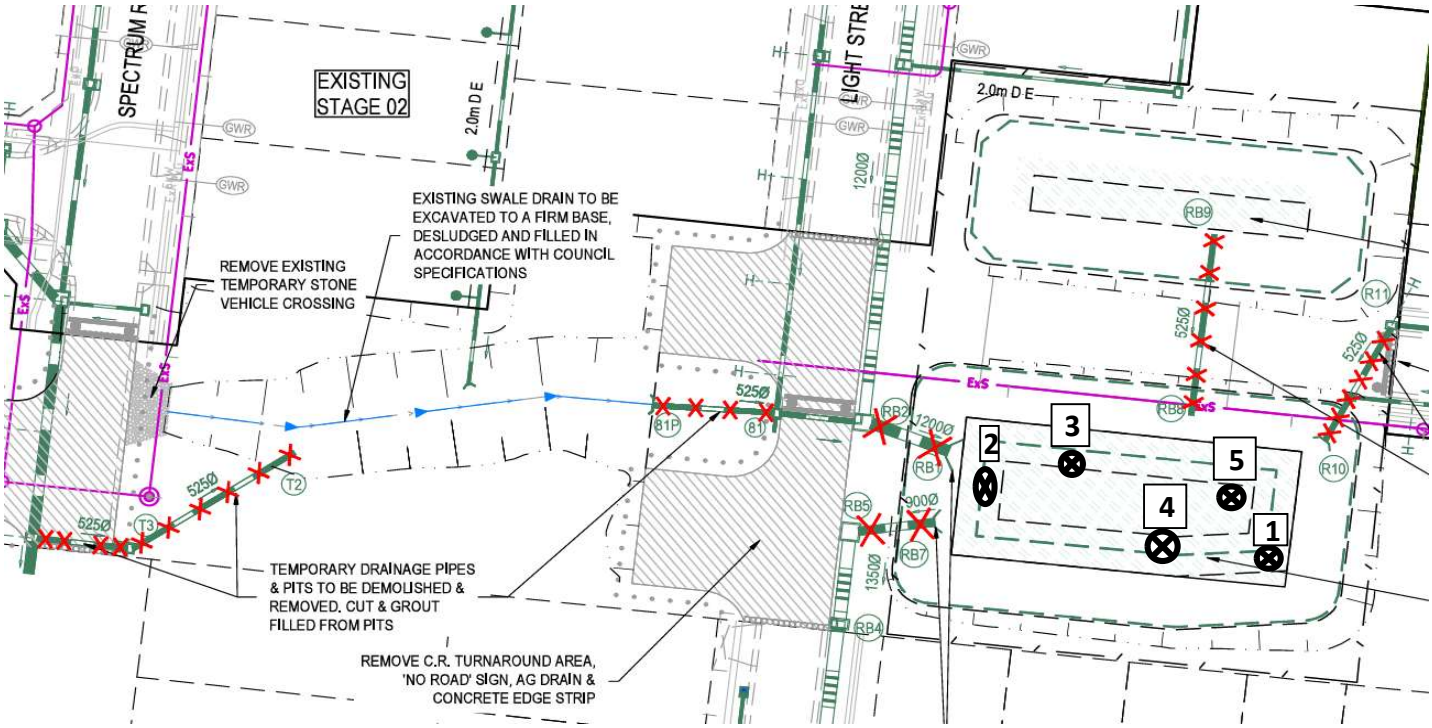
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7497
Date Tested:	18/06/2026



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a kiwa company

Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17506-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7498
Component:	South Basin	Client Reference/s:	Level 1 Supervision 18.06.2026
Area Description:	RTM	Report Date / Page:	25/06/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50061	14874/S/26-50062	14874/S/26-50063	14874/S/26-50064
ID / Client ID	Level 1 Supervision 18.06.2026	Level 1 Supervision 18.06.2026	Level 1 Supervision 18.06.2026	Level 1 Supervision 18.06.2026
Lot Number	-	-	-	-
Date / Time Tested	18/06/2026 08:45	18/06/2026 08:45	18/06/2026 08:45	18/06/2026 08:45
Material Source	Onsite	Onsite	Onsite	Onsite
Material Type	Insitu	Insitu	Insitu	Insitu
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	275 / 300 / -
Standard or Modified	Standard	Standard	Standard	Standard
Layer Number	Layer 5	Layer 1	Layer 2	Layer 3
Location Number	1	2	3	4
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	< 19.0 mm
Sample Oversize (%)	0	0	6	0
Compaction Sample Number	14874/S/26-50061	14874/S/26-50062	14874/S/26-50063	14874/S/26-50064
Sample Description	Insitu	Insitu	Insitu	Insitu
Moisture Test Results:				
Field Moisture Content (%)	19.4	13.4	16.8	13.7
Adjusted / Moist. Variation (%)	**0.0**	**0.5**	**0.0**	**0.5**
Optimum Moisture Content (%)	19.5	14.0	17.0	14.0
Moisture Variation from OMC	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)
Moisture Ratio (%)	**99.5**	**96.5**	**99.0**	**96.5**
Density Test Results:				
Field Wet Density (t/m³)	2.04	2.07	2.09	2.04
Field Dry Density (t/m³)	1.71	1.82	1.79	1.79
Adj/Peak Conv Wet Density (t/m³)	1.99	2.01	2.05	1.98
Density Ratio Required (%)	95	95	95	95
Hilf Density Ratio (%)	**102.5**	**103.0**	**102.0**	**103.0**

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Corporate Site Number: 14874



Approved Signatory: Nawin Dahal
Form ID: W5ASMRRepSum Rev 4

Construction Sciences
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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: **Melbourne Laboratory**
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17506-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7498
Component:	South Basin	Client Reference/s:	Level 1 Supervision 18.06.2026
Area Description:	RTM	Report Date / Page:	25/06/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50065			
ID / Client ID	Level 1 Supervision 18.06.2026			
Lot Number	-			
Date / Time Tested	18/06/2026 08:45			
Material Source	Onsite			
Material Type	Insitu			
Sampling Method	AS1289.1.2.1 Cl 6.4b			
Depths: Test / Nom / Actual (mm)	275 / 300 / -			
Standard or Modified	Standard			
Layer Number	Layer 4			
Location Number	5			
Test Fraction (mm)	< 19.0 mm			
Sample Oversize (%)	0			
Compaction Sample Number	14874/S/26-50065			
Sample Description	Insitu			
Moisture Test Results:				
Field Moisture Content (%)	13.1			
Adjusted / Moist. Variation (%)	**0.0**			
Optimum Moisture Content (%)	13.0			
Moisture Variation from OMC	(Drier than OMC)			
Moisture Ratio (%)	**99.0**			
Density Test Results:				
Field Wet Density (t/m³)	2.02			
Field Dry Density (t/m³)	1.79			
Adj/Peak Conv Wet Density (t/m³)	1.98			
Density Ratio Required (%)	95			
Hilf Density Ratio (%)	**102.5**			

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Address:
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Phone: 03 9364 9301

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LOT REPORT - WET DENSITY RATIO

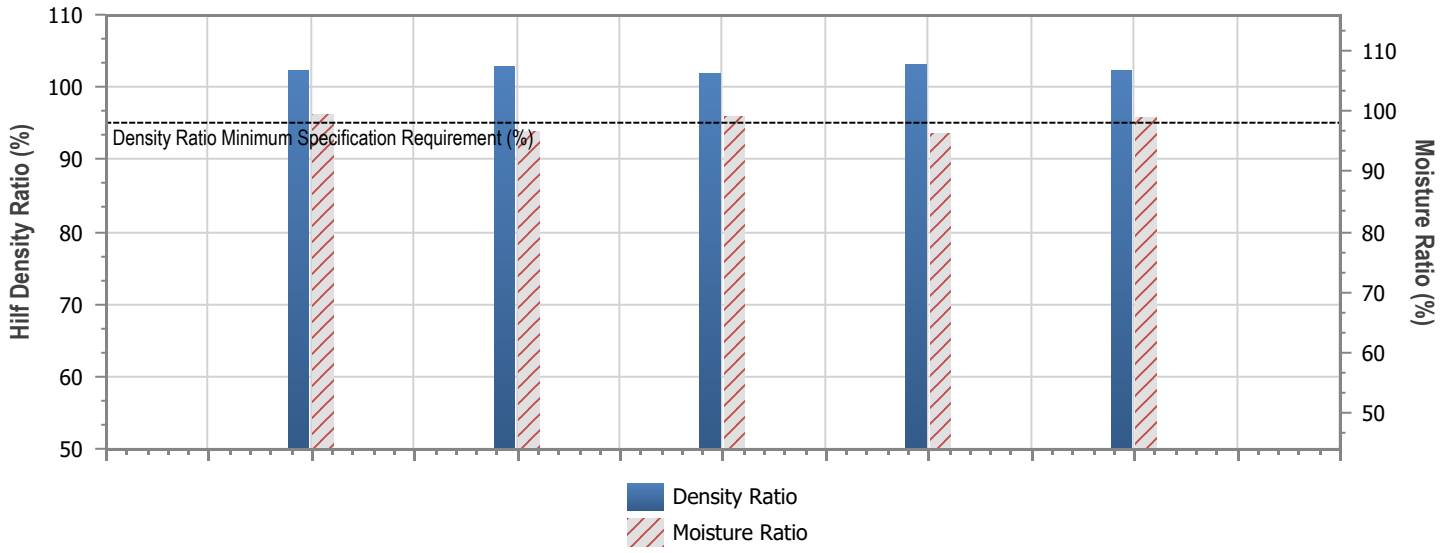
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17506-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7498
Component:	South Basin	Client Reference/s:	Level 1 Supervision 18.06.2026
Area Description:	RTM	Report Date / Page:	25/06/2026 Page 3 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Lot Average (Lot average calculations are not covered by endorsement)

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 5	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	96.3	99.4	98.1	1.499
Hilf Density Ratio (%)	101.9	103.1	102.5	0.480

Lot Number: -

Mean Moisture Ratio (%): 98.1

Mean Density Ratio (%): 102.5

Remarks

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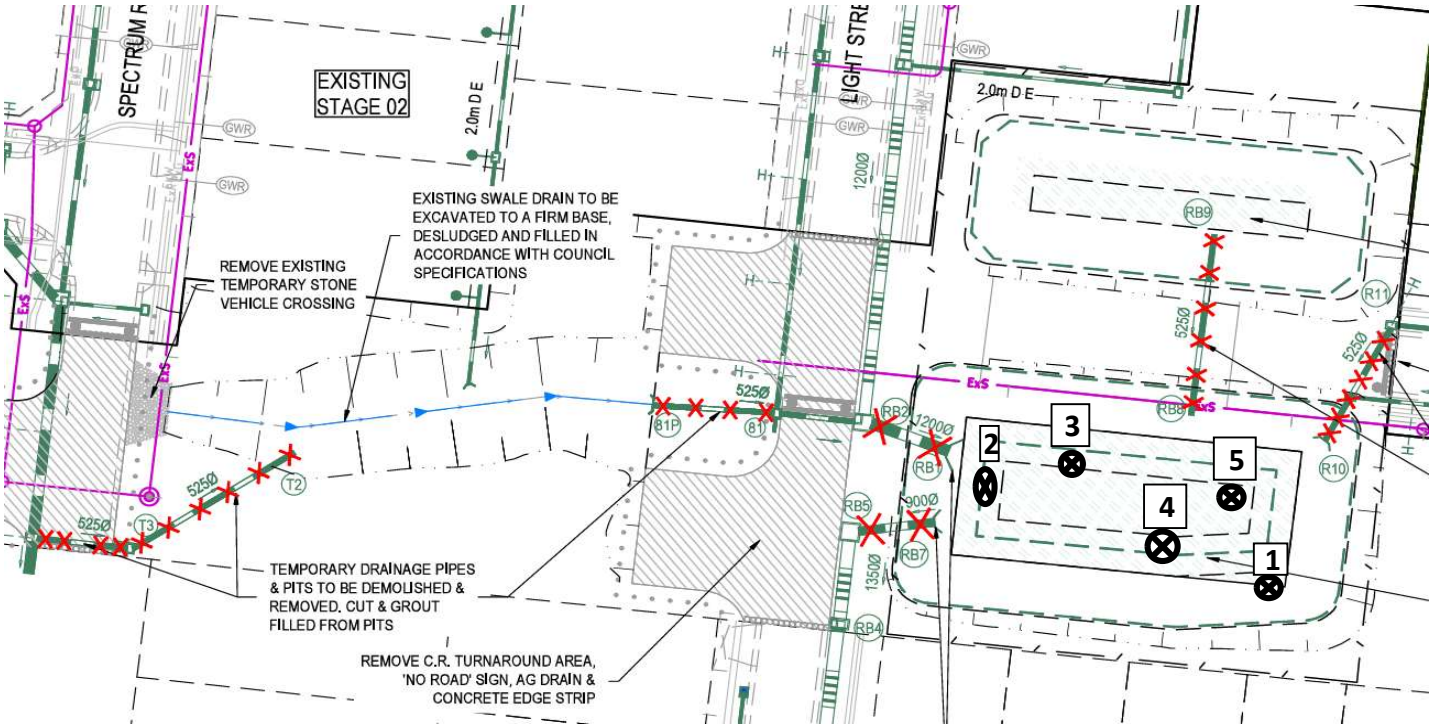
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7298
Date Tested:	18/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17599-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 19.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7499
Component:	Multiple	Client Reference/s:	Level 1 supervision 19.06.2026
Area Description:	RTM	Report Date / Page:	26/06/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50067	14874/S/26-50068	14874/S/26-50069	14874/S/26-50070
ID / Client ID	Level 1 supervision 19.06.2026	Level 1 supervision 19.06.2026	Level 1 supervision 19.06.2026	Level 1 supervision 19.06.2026
Lot Number	Compaction testing 19.06.2026	Compaction testing 19.06.2026	Compaction testing 19.06.2026	Compaction testing 19.06.2026
Date / Time Tested	19/06/2026 12:50	19/06/2026 12:50	19/06/2026 12:50	19/06/2026 12:50
Material Source	Onsite	Onsite	Onsite	Onsite
Material Type	Insitu	Insitu	Insitu	Insitu
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	275 / 300 / -
Standard or Modified	Standard	Standard	Standard	Standard
Layer Number	Layer 2	Layer 3	Layer 5	Layer 4
Location Number	Sth Basin 1	Sth Basin 2	Swale 3	Nth Basin 4
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	< 19.0 mm
Sample Oversize (%)	0	0	0	0
Compaction Sample Number	14874/S/26-50067	14874/S/26-50068	14874/S/26-50069	14874/S/26-50070
Sample Description	Insitu	Insitu	Insitu	Insitu
Moisture Test Results:				
Field Moisture Content (%)	19.7	18.3	17.9	23.5
Adjusted / Moist. Variation (%)	**0.0**	**-0.5**	**-0.5**	**0.0**
Optimum Moisture Content (%)	19.5	18.0	17.5	23.5
Moisture Variation from OMC	(Wetter than OMC)	(Wetter than OMC)	(Wetter than OMC)	(at OMC)
Moisture Ratio (%)	**101.0**	**102.0**	**102.0**	**100.0**
Density Test Results:				
Field Wet Density (t/m³)	2.08	2.06	2.19	2.06
Field Dry Density (t/m³)	1.74	1.74	1.86	1.67
Adj/Peak Conv Wet Density (t/m³)	2.01	2.00	2.08	1.99
Density Ratio Required (%)	95	95	95	95
Hilf Density Ratio (%)	**103.0**	**102.5**	**105.0**	**103.5**

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: **Melbourne Laboratory**
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17599-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 19.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7499
Component:	Multiple	Client Reference/s:	Level 1 supervision 19.06.2026
Area Description:	RTM	Report Date / Page:	26/06/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50071			
ID / Client ID	Level 1 supervision 19.06.2026			
Lot Number	Compaction testing 19.06.2026			
Date / Time Tested	19/06/2026 12:50			
Material Source	Onsite			
Material Type	Insitu			
Sampling Method	AS1289.1.2.1 Cl 6.4b			
Depths: Test / Nom / Actual (mm)	275 / 300 / -			
Standard or Modified	Standard			
Layer Number	Layer 4			
Location Number	Nth Basin 5			
Test Fraction (mm)	< 19.0 mm			
Sample Oversize (%)	0			
Compaction Sample Number	14874/S/26-50071			
Sample Description	Insitu			
Moisture Test Results:				
Field Moisture Content (%)	22.4			
Adjusted / Moist. Variation (%)	**0.0**			
Optimum Moisture Content (%)	22.5			
Moisture Variation from OMC	(Wetter than OMC)			
Moisture Ratio (%)	**100.5**			
Density Test Results:				
Field Wet Density (t/m³)	2.07			
Field Dry Density (t/m³)	1.69			
Adj/Peak Conv Wet Density (t/m³)	2.00			
Density Ratio Required (%)	95			
Hilf Density Ratio (%)	**103.5**			

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Laboratory: Melbourne Laboratory
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LOT REPORT - WET DENSITY RATIO

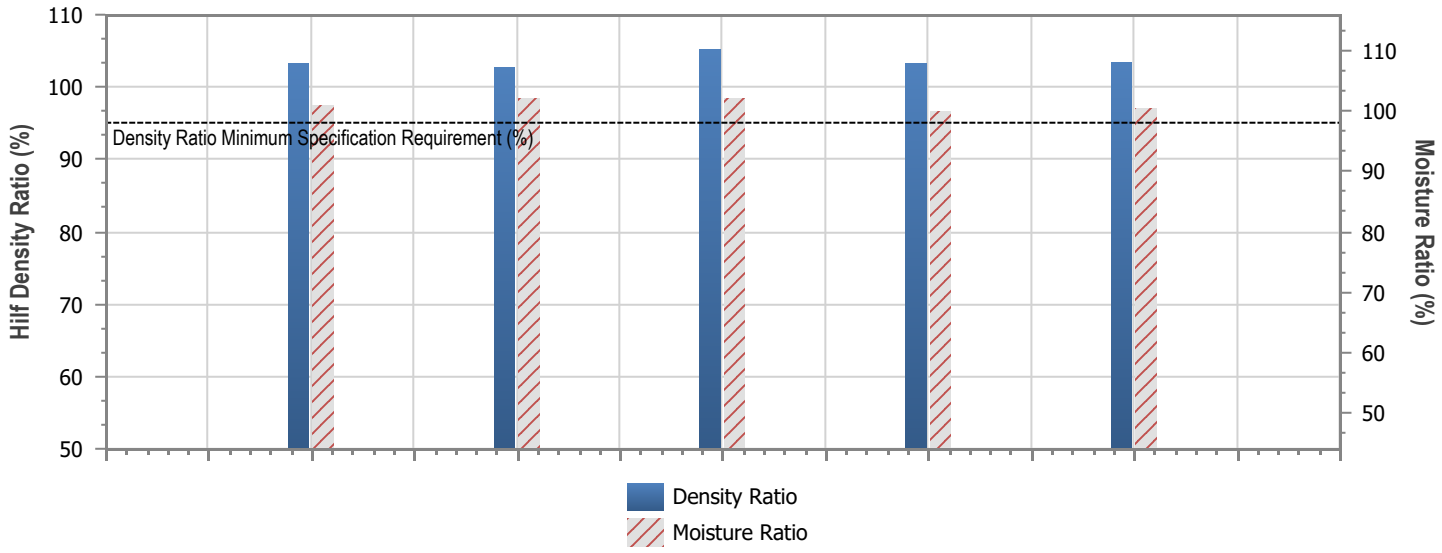
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-17599-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 19.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7499
Component:	Multiple	Client Reference/s:	Level 1 supervision 19.06.2026
Area Description:	RTM	Report Date / Page:	26/06/2026 Page 3 of 3

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Lot Average (Lot average calculations are not covered by endorsement)

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 5	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	100.0	102.1	101.1	0.950
Hilf Density Ratio (%)	102.7	105.2	103.6	0.969

Lot Number:	**Compaction testing 19.06.2026**
Mean Moisture Ratio (%):	**101.1**
Mean Density Ratio (%):	**103.6**

Remarks

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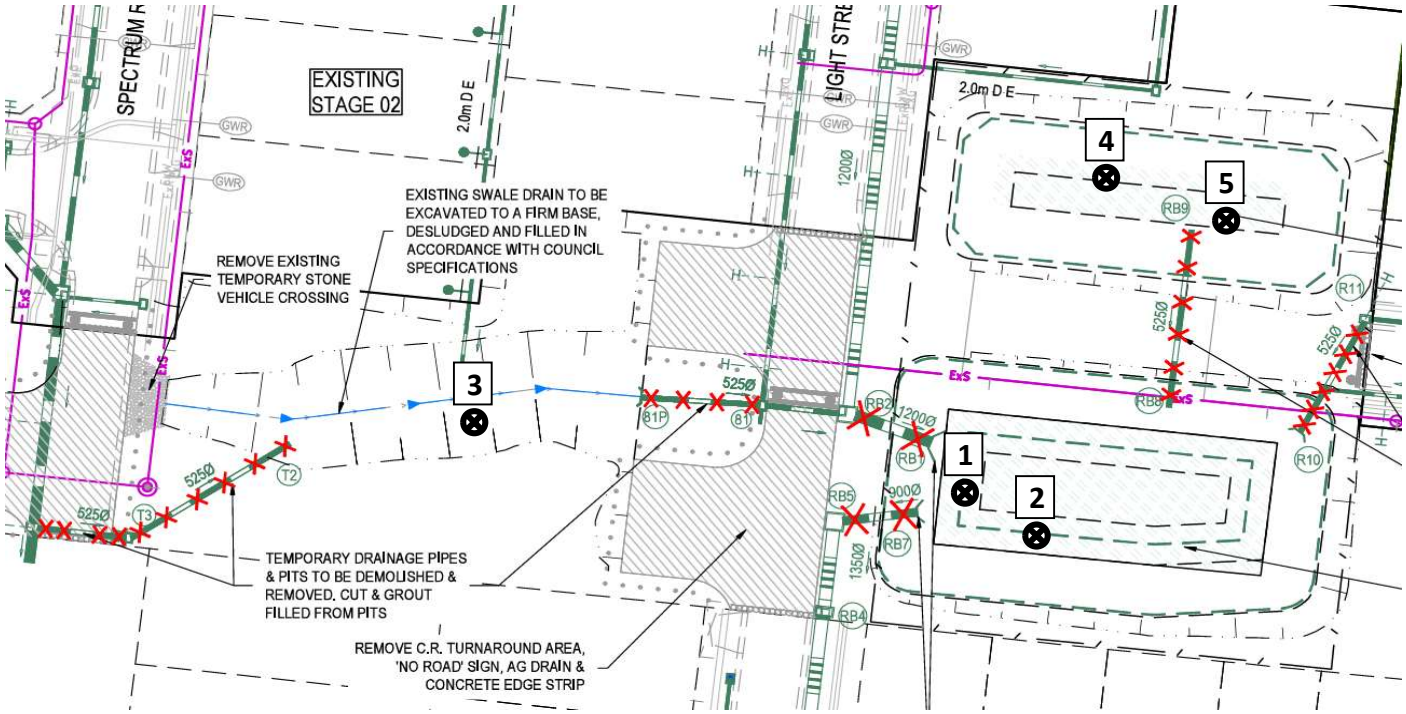
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Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7298
Date Tested:	16/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18413-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	South Basin
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7591
Component:	South Basin	Client Reference/s:	Level 1 Supervision 22.06.2026
Area Description:	RTM	Report Date / Page:	3/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50338	14874/S/26-50339	14874/S/26-50340	
ID / Client ID	Level 1 Supervision 22.06.2026	Level 1 Supervision 22.06.2026	Level 1 Supervision 22.06.2026	
Lot Number	South Basin	South Basin	South Basin	
Date / Time Tested	22/06/2026 12:40	22/06/2026 14:00	22/06/2026 14:45	
Material Source	Imported	Imported	Imported	
Material Type	Insitu	Insitu	Insitu	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 275 / 300	275 / 275 / -	275 / 275 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	Layer 7	Layer 8	Layer 2	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	0	0	
Compaction Sample Number	14874/S/26-50338	14874/S/26-50339	14874/S/26-50340	
Sample Description	Insitu	Insitu	Insitu	
Moisture Test Results:				
Field Moisture Content (%)	18.3	20.7	20.9	
Adjusted / Moist. Variation (%)	**0.5**	**0.0**	**0.0**	
Optimum Moisture Content (%)	19.0	20.5	21.0	
Moisture Variation from OMC	(Drier than OMC)	(at OMC)	(Wetter than OMC)	
Moisture Ratio (%)	**97.5**	**100.0**	**100.5**	
Density Test Results:				
Field Wet Density (t/m³)	2.05	1.99	1.96	
Field Dry Density (t/m³)	1.73	1.65	1.62	
Adj/Peak Conv Wet Density (t/m³)	2.00	1.94	1.92	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**102.5**	**102.5**	**102.0**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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LOT REPORT - WET DENSITY RATIO

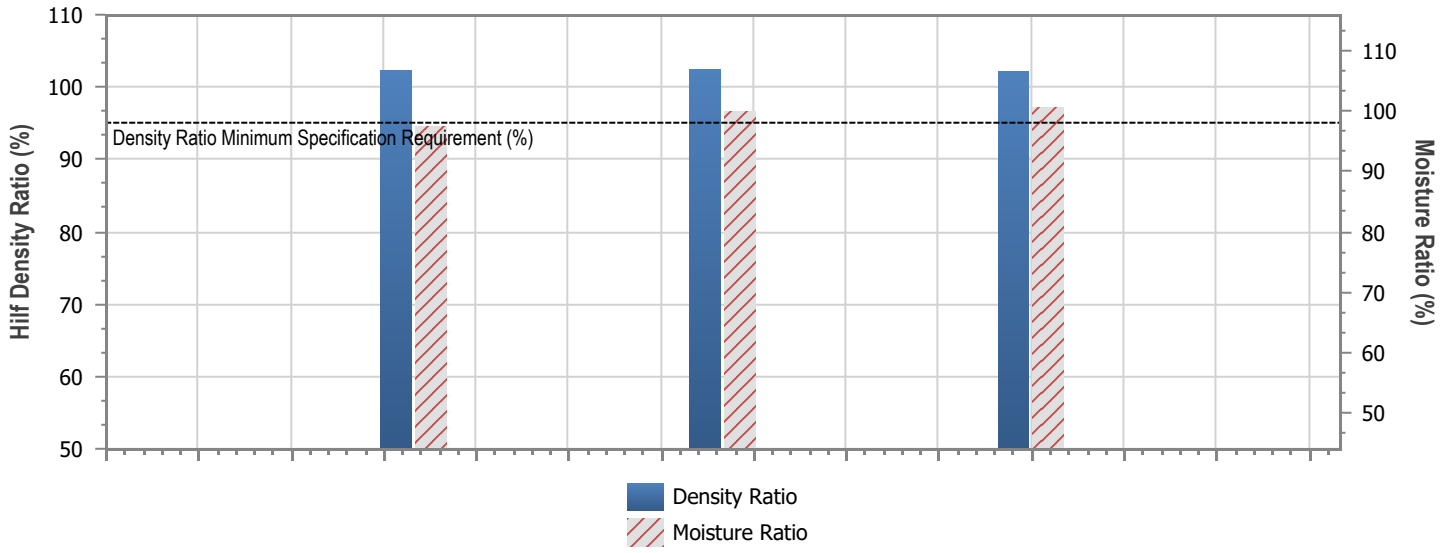
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18413-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	South Basin
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7591
Component:	South Basin	Client Reference/s:	Level 1 Supervision 22.06.2026
Area Description:	RTM	Report Date / Page:	3/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	97.4	100.6	99.3	1.682
Hilf Density Ratio (%)	102.1	102.4	102.3	0.146

Lot Number: South Basin

Mean Moisture Ratio (%): 99.3

Mean Density Ratio (%): 102.3

Remarks

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Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7591
Date Tested:	22/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18414-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7667
Component:	South Basin	Client Reference/s:	Level 1 Supervision 23/6/26
Area Description:	Refer To Map	Report Date / Page:	3/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-50757	14874/S/26-50758	14874/S/26-50759	
ID / Client ID	South Basin	South Basin	South Basin	
Lot Number	-	-	-	
Date / Time Tested	23/06/2026 08:50	23/06/2026 08:50	23/06/2026 08:50	
Material Source	Imported	Imported	Imported	
Material Type	Insitu	Insitu	Insitu	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	9	1	2	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	0	0	
Compaction Sample Number	14874/S/26-50757	14874/S/26-50758	14874/S/26-50759	
Sample Description	Insitu	Insitu	Insitu	
Moisture Test Results:				
Field Moisture Content (%)	21.5	19.9	22.6	
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	
Optimum Moisture Content (%)	21.5	20.0	22.5	
Moisture Variation from OMC	(Wetter than OMC)	(at OMC)	(at OMC)	
Moisture Ratio (%)	**100.5**	**100.0**	**100.0**	
Density Test Results:				
Field Wet Density (t/m³)	1.95	2.00	1.99	
Field Dry Density (t/m³)	1.61	1.67	1.62	
Adj/Peak Conv Wet Density (t/m³)	1.90	1.93	1.92	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**103.0**	**103.5**	**103.5**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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LOT REPORT - WET DENSITY RATIO

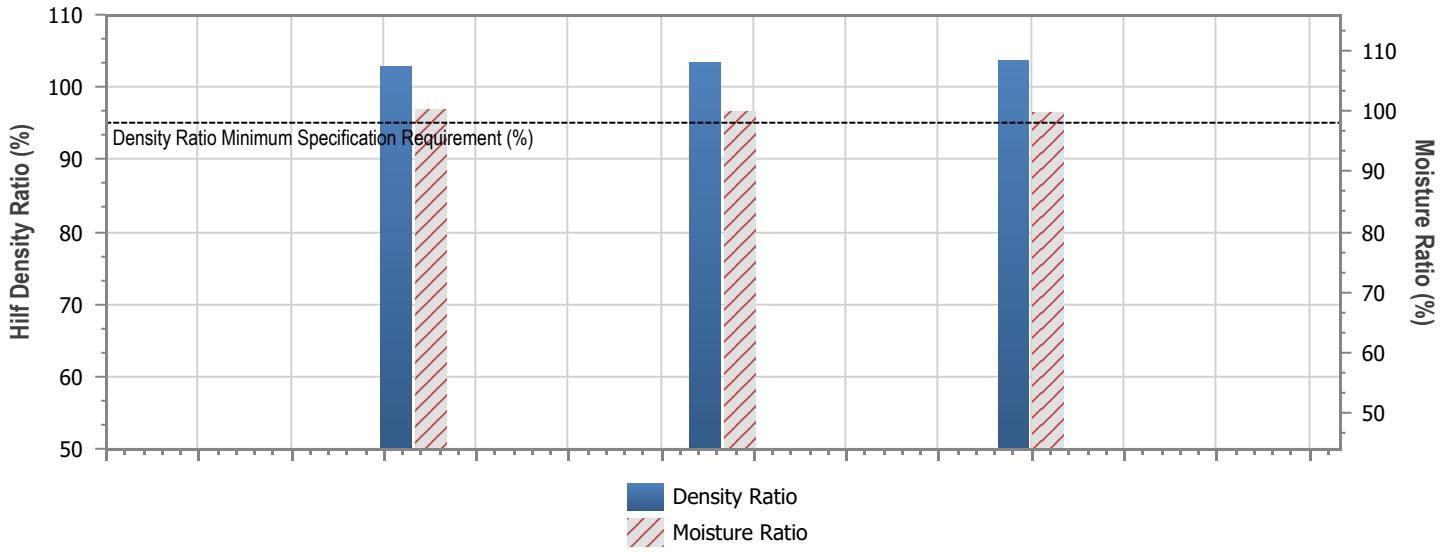
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18414-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7667
Component:	South Basin	Client Reference/s:	Level 1 Supervision 23/6/26
Area Description:	Refer To Map	Report Date / Page:	3/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	99.8	100.3	100.0	0.265
Hilf Density Ratio (%)	102.8	103.6	103.3	0.442

Lot Number: -

Mean Moisture Ratio (%): 100.0

Mean Density Ratio (%): 103.3

Remarks

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Accreditation Number: 1986
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Approved Signatory: Nawin Dahal
Form ID: W5ASMRRepSum Rev 4

Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7667
Date Tested:	23/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18476-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 24.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7810
Component:	South Basin	Client Reference/s:	Level 1 Supervision 24.06.2026
Area Description:	Refer to map	Report Date / Page:	3/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-51580	14874/S/26-51581	14874/S/26-51582	
ID / Client ID	Level 1 Supervision 24.06.2026	Level 1 Supervision 24.06.2026	Level 1 Supervision 24.06.2026	
Lot Number	Compaction testing 24.06.2026	Compaction testing 24.06.2026	Compaction testing 24.06.2026	
Date / Time Tested	24/06/2026 08:00	24/06/2026 08:00	24/06/2026 08:00	
Material Source	Onsite	Onsite	Onsite	
Material Type	Imported	Imported	Imported	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	Layer 10	Layer 11	Layer 2	
Location Number	RTM 1	RTM 2	RTM 3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	0	0	
Compaction Sample Number	14874/S/26-51580	14874/S/26-51581	14874/S/26-51582	
Sample Description	Imported	Imported	Imported	
Moisture Test Results:				
Field Moisture Content (%)	18.2	17.5	17.4	
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	
Optimum Moisture Content (%)	18.5	17.5	17.5	
Moisture Variation from OMC	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)	
Moisture Ratio (%)	**99.0**	**99.0**	**99.5**	
Density Test Results:				
Field Wet Density (t/m³)	2.04	2.04	2.07	
Field Dry Density (t/m³)	1.73	1.73	1.76	
Adj/Peak Conv Wet Density (t/m³)	2.00	2.00	2.03	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**102.5**	**102.0**	**102.0**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Corporate Site Number: 14874

Approved Signatory: Daniel Boyd
Form ID: W5ASMRRepSum Rev 4

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

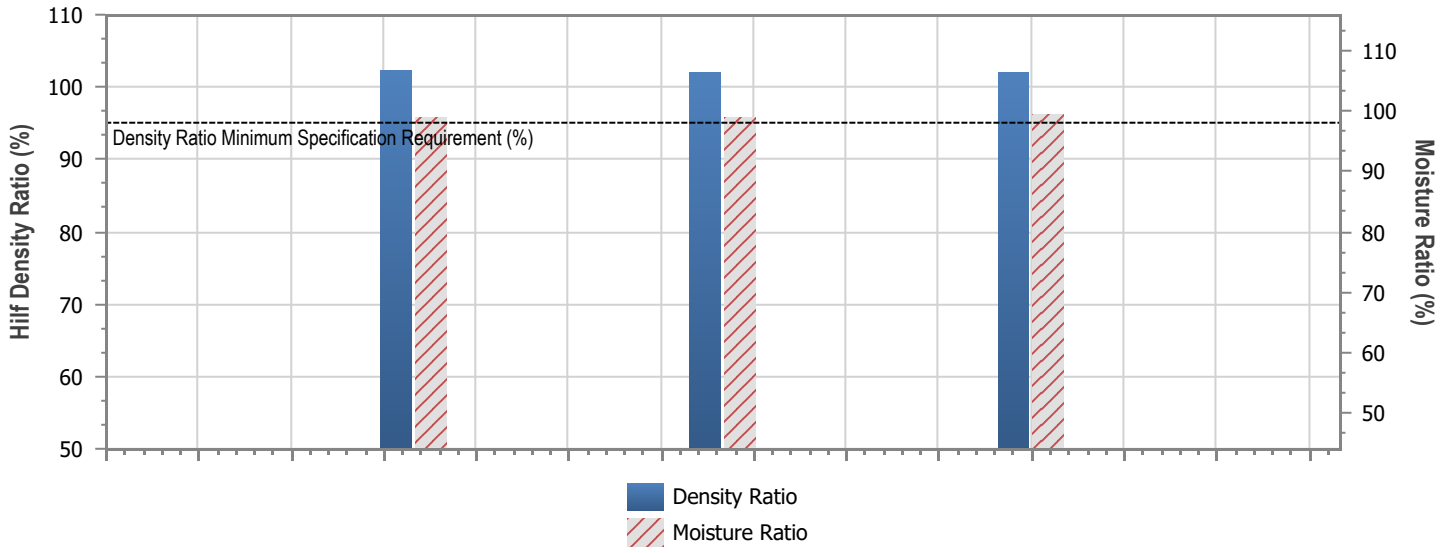
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18476-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 24.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7810
Component:	South Basin	Client Reference/s:	Level 1 Supervision 24.06.2026
Area Description:	Refer to map	Report Date / Page:	3/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Lot Average (Lot average calculations are not covered by endorsement)

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	98.9	99.5	99.1	0.321
Hilf Density Ratio (%)	102.0	102.3	102.1	0.181

Lot Number: Compaction testing 24.06.2026

Mean Moisture Ratio (%): 99.1

Mean Density Ratio (%): 102.1

Remarks

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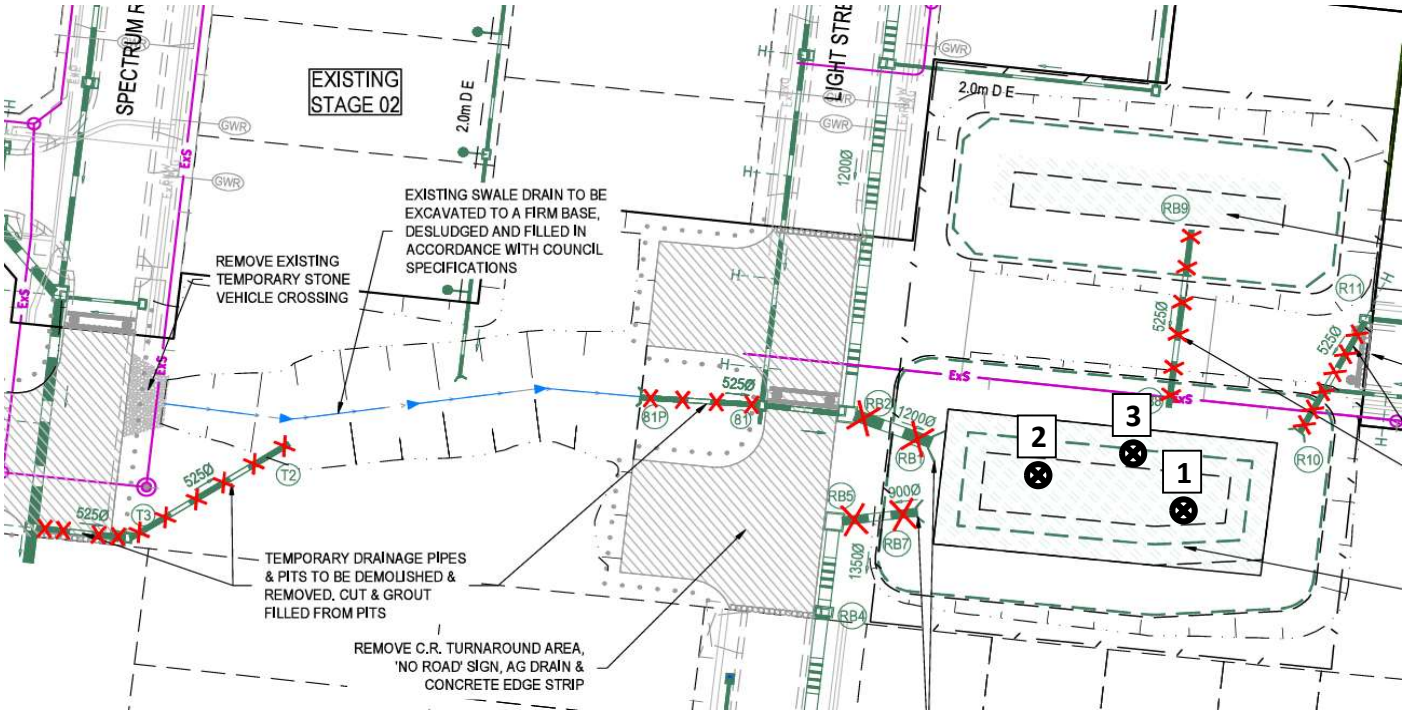
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7810
Date Tested:	24/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18547-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 25.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7883
Component:	South Basin	Client Reference/s:	Level 1 25.06.2026
Area Description:	RTM	Report Date / Page:	6/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-52117	14874/S/26-52118	14874/S/26-52119	
ID / Client ID	Level 1 25.06.2026	Level 1 25.06.2026	Level 1 25.06.2026	
Lot Number	Compaction testing 25.06.2026	Compaction testing 25.06.2026	Compaction testing 25.06.2026	
Date / Time Tested	25/06/2026 08:40	25/06/2026 08:40	25/06/2026 08:40	
Material Source	Onsite	Onsite	Onsite	
Material Type	Imported	Imported	Imported	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	Layer 12	Layer 12	Layer 12	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	6	6	6	
Compaction Sample Number	14874/S/26-52117	14874/S/26-52118	14874/S/26-52119	
Sample Description	Imported	Imported	Imported	
Moisture Test Results:				
Field Moisture Content (%)	19.9	18.5	21.4	
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	
Optimum Moisture Content (%)	19.5	18.5	21.0	
Moisture Variation from OMC	(Wetter than OMC)	(Wetter than OMC)	(Wetter than OMC)	
Moisture Ratio (%)	**101.0**	**100.5**	**100.5**	
Density Test Results:				
Field Wet Density (t/m³)	1.99	2.07	2.09	
Field Dry Density (t/m³)	1.66	1.74	1.73	
Adj/Peak Conv Wet Density (t/m³)	1.96	1.99	1.99	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**101.5**	**104.0**	**105.0**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Accreditation Number: 1986
Corporate Site Number: 14874



Approved Signatory: Nawin Dahal
Form ID: W5ASMRRepSum Rev 4

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

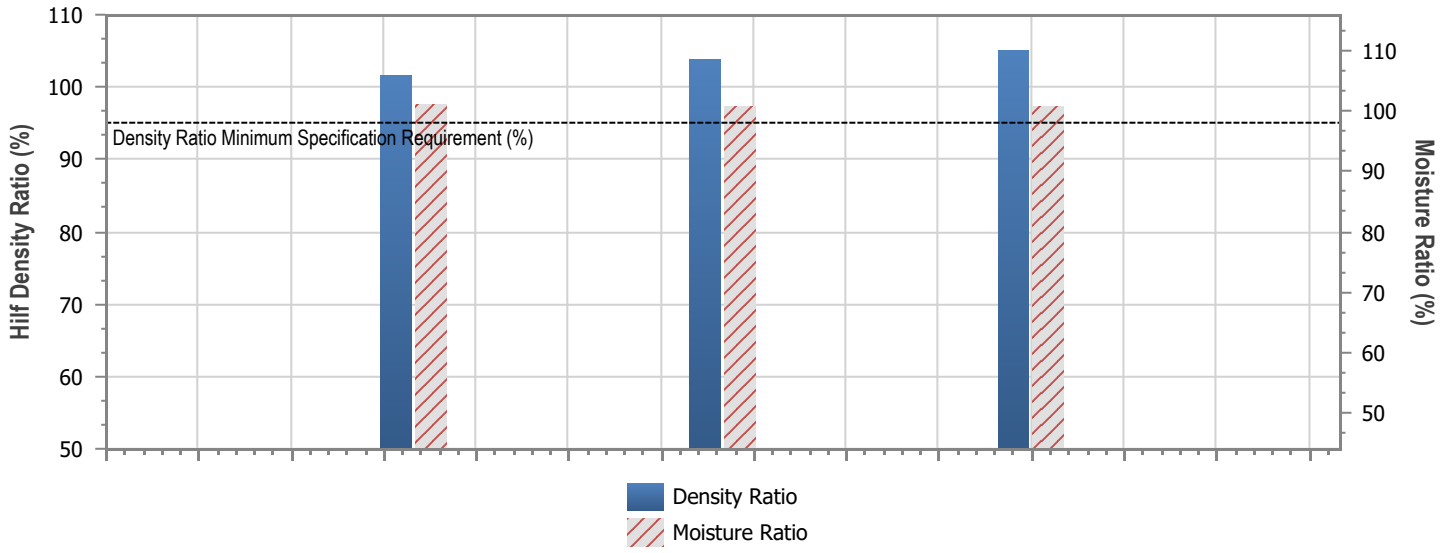
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18547-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 25.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7883
Component:	South Basin	Client Reference/s:	Level 1 25.06.2026
Area Description:	RTM	Report Date / Page:	6/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Lot Average (Lot average calculations are not covered by endorsement)

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	100.7	101.1	100.8	0.231
Hilf Density Ratio (%)	101.5	105.1	103.5	1.798

Lot Number:	**Compaction testing 25.06.2026**
Mean Moisture Ratio (%):	**100.8**
Mean Density Ratio (%):	**103.5**

Remarks

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Form ID: W5ASMRRepSum Rev 4

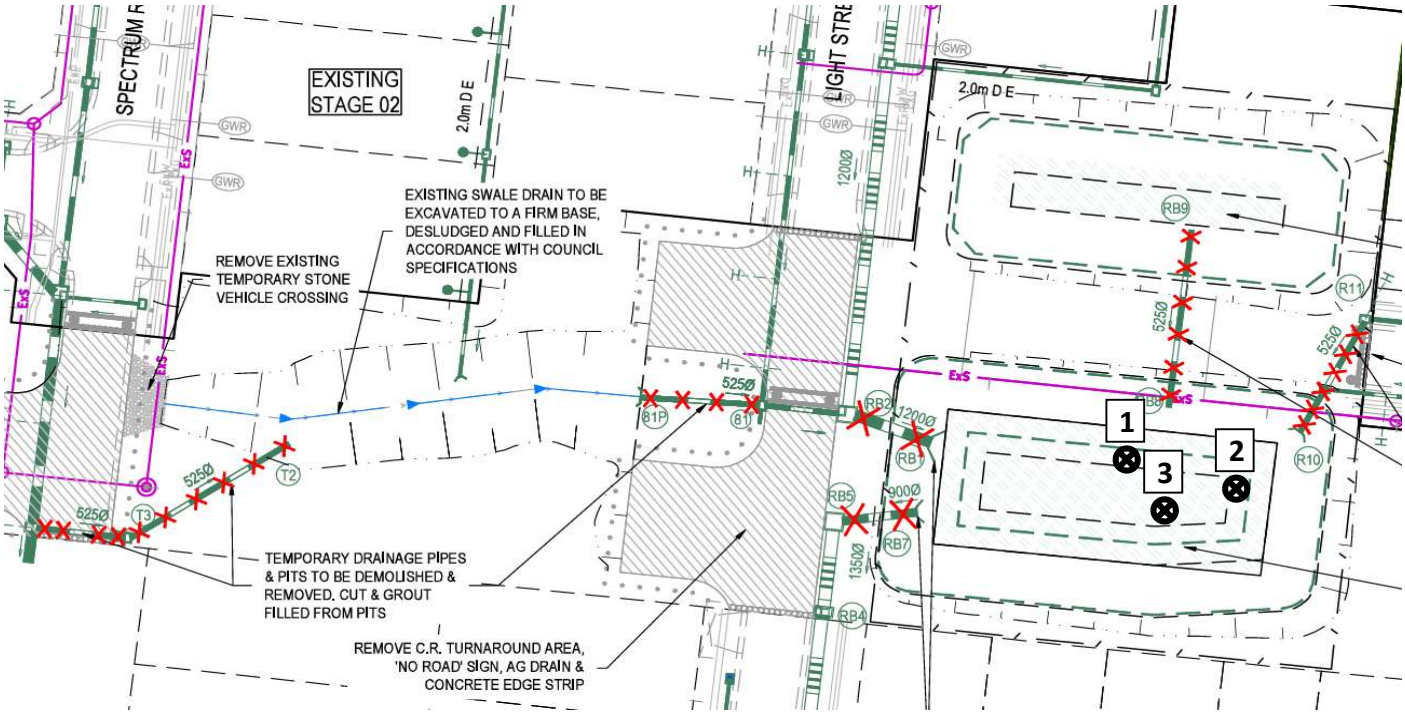
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7810
Date Tested:	25/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT – WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18696-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 26.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7887
Component:	South Basin	Client Reference/s:	Level 1 26.06.2026
Area Description:	RTM	Report Date / Page:	7/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-52232	14874/S/26-52233	14874/S/26-52234	
ID / Client ID	Level 1 26.06.2026	Level 1 26.06.2026	Level 1 26.06.2026	
Lot Number	Compaction testing 26.06.2026	Compaction testing 26.06.2026	Compaction testing 26.06.2026	
Date / Time Tested	26/06/2026 09:30	26/06/2026 09:30	26/06/2026 09:30	
Material Source	Onsite	Onsite	Onsite	
Material Type	Imported	Imported	Imported	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	Layer 2	Layer 2	Layer 13	
Location Number	RTM 1	RTM 2	RTM 3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	6	5	
Compaction Sample Number	14874/S/26-52232	14874/S/26-52233	14874/S/26-52234	
Sample Description	Imported	Imported	Imported	
Moisture Test Results:				
Field Moisture Content (%)	16.7	21.3	21.6	
Adjusted / Moist. Variation (%)	**-0.5**	**-0.5**	**-0.5**	
Optimum Moisture Content (%)	16.0	21.0	21.0	
Moisture Variation from OMC	(Wetter than OMC)	(Wetter than OMC)	(Wetter than OMC)	
Moisture Ratio (%)	**103.5**	**102.0**	**102.5**	
Density Test Results:				
Field Wet Density (t/m³)	2.17	2.04	2.13	
Field Dry Density (t/m³)	1.86	1.68	1.75	
Adj/Peak Conv Wet Density (t/m³)	2.06	2.02	2.05	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**105.5**	**101.0**	**104.0**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Corporate Site Number: 14874



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Form ID: W5ASMRRepSum Rev 4

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

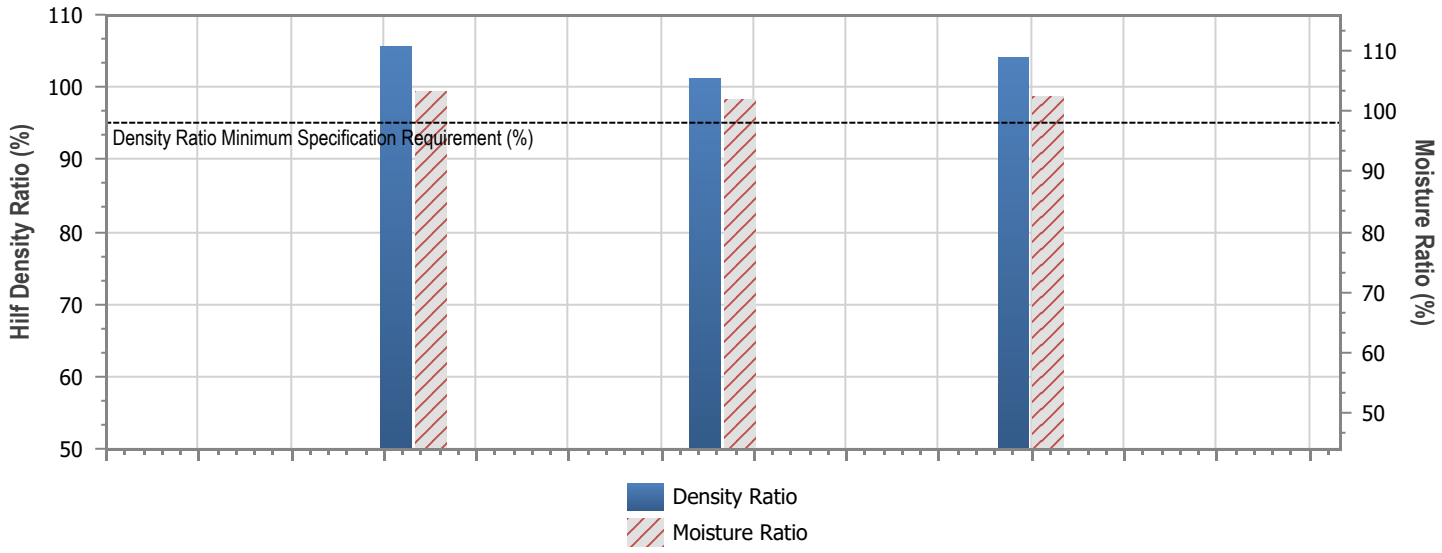
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18696-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 26.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7887
Component:	South Basin	Client Reference/s:	Level 1 26.06.2026
Area Description:	RTM	Report Date / Page:	7/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Lot Average (Lot average calculations are not covered by endorsement)

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	101.9	103.3	102.6	0.702
Hilf Density Ratio (%)	101.2	105.6	103.6	2.204

Lot Number:	**Compaction testing 26.06.2026**
Mean Moisture Ratio (%):	**102.6**
Mean Density Ratio (%):	**103.6**

Remarks

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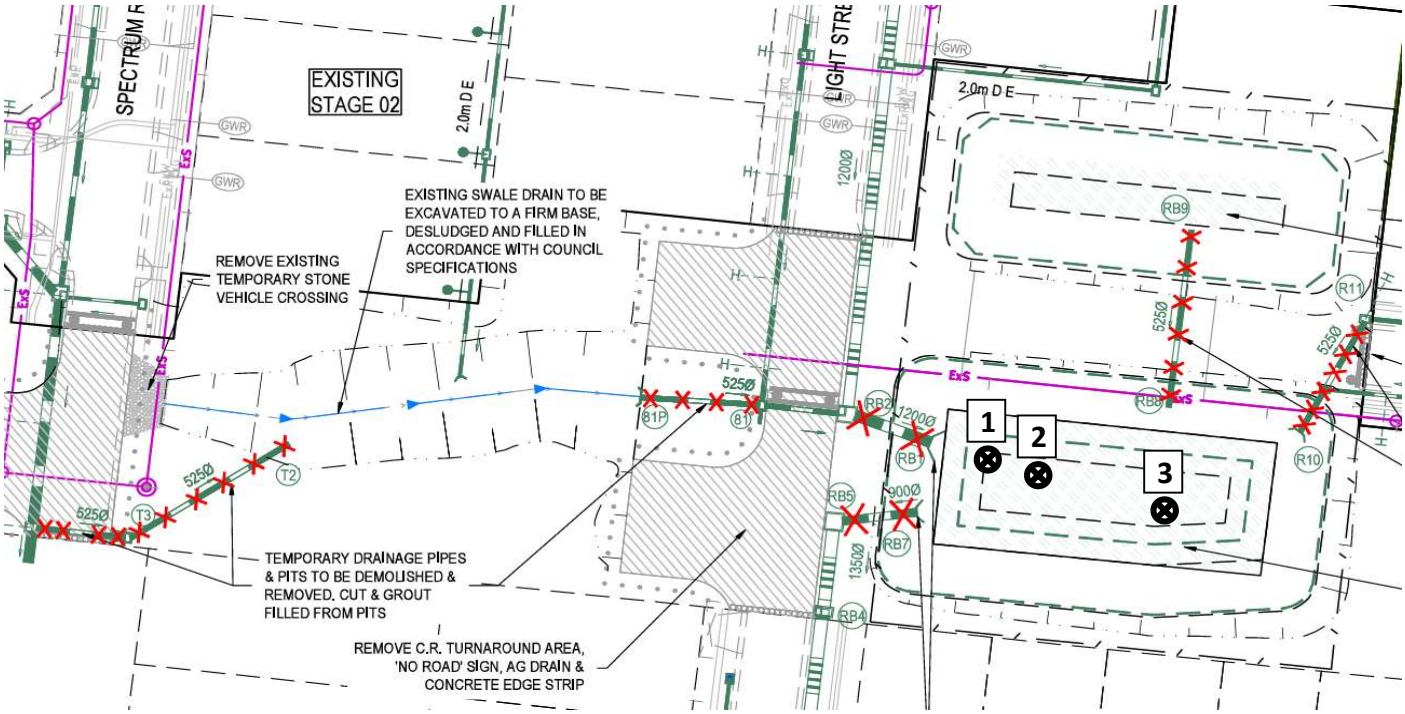
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7810
Date Tested:	26/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18701-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 29.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7996
Component:	South basin	Client Reference/s:	Level 1 Supervision 29.06.2026
Area Description:	RTM	Report Date / Page:	7/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-52821	14874/S/26-52822	14874/S/26-52823	
ID / Client ID	Level 1 Supervision 29.06.2026	Level 1 Supervision 29.06.2026	Level 1 Supervision 29.06.2026	
Lot Number	Compaction testing 29.06.2026	Compaction testing 29.06.2026	Compaction testing 29.06.2026	
Date / Time Tested	29/06/2026 13:40	29/06/2026 13:40	29/06/2026 13:40	
Material Source	Onsite	Onsite	Onsite	
Material Type	Imported	Imported	Imported	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	Layer 3	Layer 3	Layer 3	
Location Number	RTM 1	RTM 2	RTM 3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	7	10	9	
Compaction Sample Number	14874/S/26-52821	14874/S/26-52822	14874/S/26-52823	
Sample Description	Imported	Imported	Imported	
Moisture Test Results:				
Field Moisture Content (%)	19.0	18.6	19.5	
Adjusted / Moist. Variation (%)	**-0.5**	**-0.5**	**-0.5**	
Optimum Moisture Content (%)	18.5	18.0	19.0	
Moisture Variation from OMC	(Wetter than OMC)	(Wetter than OMC)	(Wetter than OMC)	
Moisture Ratio (%)	**102.0**	**103.0**	**102.0**	
Density Test Results:				
Field Wet Density (t/m³)	2.04	2.14	2.15	
Field Dry Density (t/m³)	1.71	1.81	1.80	
Adj/Peak Conv Wet Density (t/m³)	2.02	2.06	2.05	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**101.0**	**104.0**	**105.0**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Corporate Site Number: 14874



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Form ID: W5ASMRRepSum Rev 4

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Construction Sciences Pty Ltd
ID: 74 128 806 735

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Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

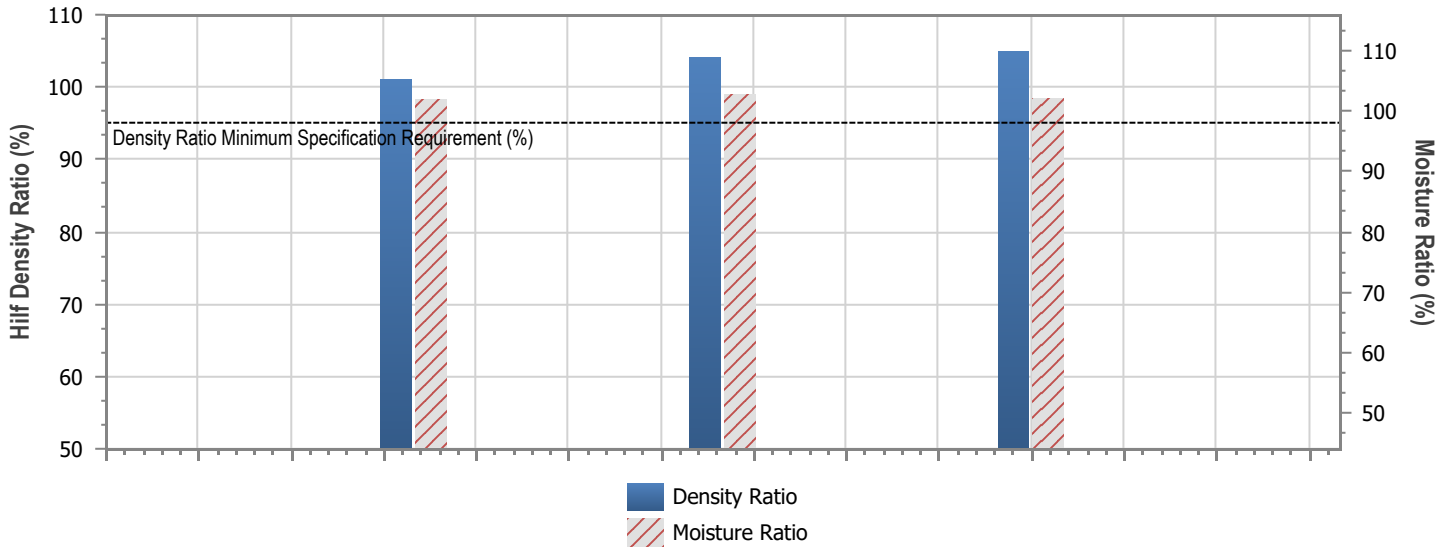
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-18701-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	Compaction testing 29.06.2026
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-7996
Component:	South basin	Client Reference/s:	Level 1 Supervision 29.06.2026
Area Description:	RTM	Report Date / Page:	7/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, AS1289.1.1, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Lot Average (Lot average calculations are not covered by endorsement)

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	102.0	102.8	102.3	0.436
Hilf Density Ratio (%)	101.0	104.9	103.4	2.055

Lot Number:	**Compaction testing 29.06.2026**
Mean Moisture Ratio (%):	**102.3**
Mean Density Ratio (%):	**103.4**

Remarks

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Accreditation Number: 1986
Corporate Site Number: 14874

Approved Signatory: Nawin Dahal
Form ID: W5ASMRRepSum Rev 4

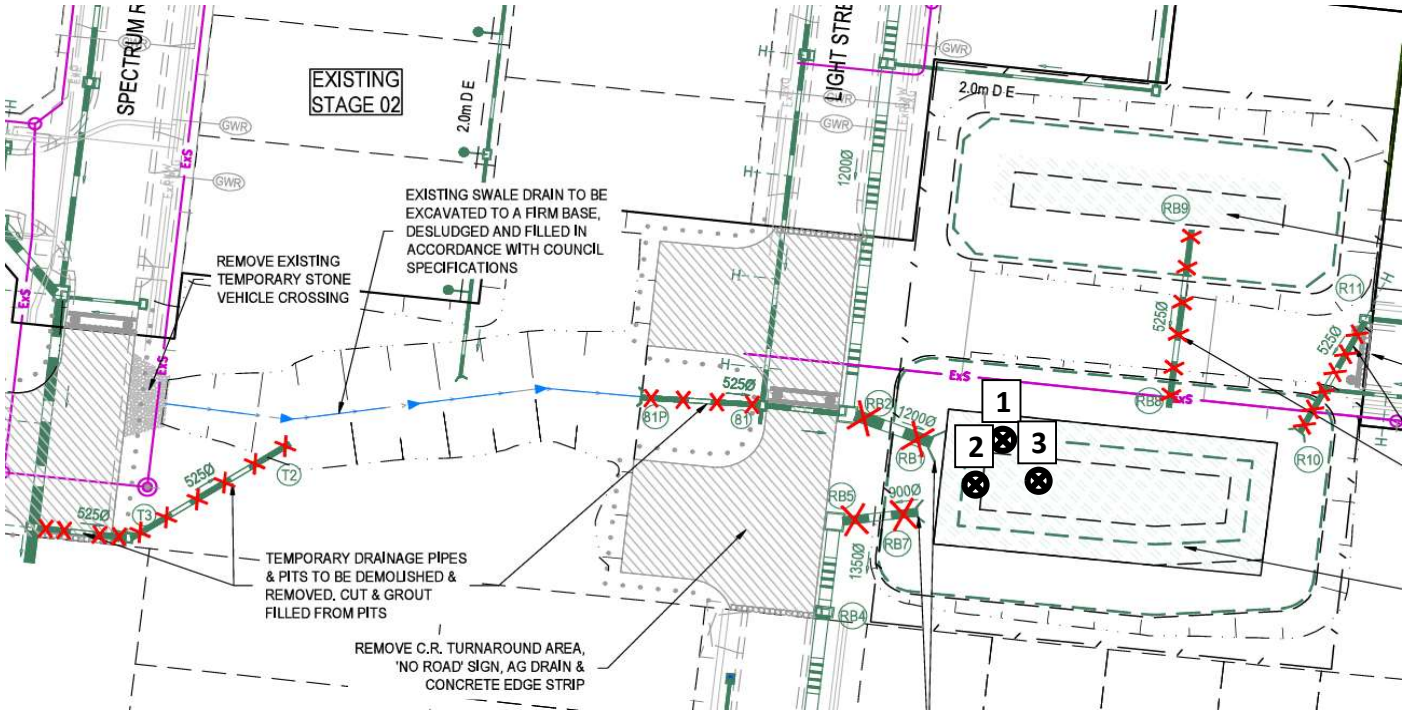
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Contructors
Job No.	P/3155
Test Request No.	T/26-7298
Date Tested:	29/06/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-19306-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8382
Component:	South Basin	Client Reference/s:	level 1 Supervision 6-7-26
Area Description:	Refer To Map	Report Date / Page:	13/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-55036	14874/S/26-55037	14874/S/26-55038	
ID / Client ID	South Basin	South Basin	South Basin	
Lot Number	-	-	-	
Date / Time Tested	6/07/2026 12:00	6/07/2026 12:00	6/07/2026 12:00	
Material Source	Onsite	Onsite	Onsite	
Material Type	Imported	Imported	Imported	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	4	5	5	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	7	0	0	
Compaction Sample Number	14874/S/26-55036	14874/S/26-55037	14874/S/26-55038	
Sample Description	Imported	Imported	Imported	
Moisture Test Results:				
Field Moisture Content (%)	19.8	18.7	15.9	
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	
Optimum Moisture Content (%)	20.0	18.5	16.0	
Moisture Variation from OMC	(at OMC)	(Wetter than OMC)	(at OMC)	
Moisture Ratio (%)	**100.0**	**101.0**	**100.0**	
Density Test Results:				
Field Wet Density (t/m³)	1.92	2.00	1.98	
Field Dry Density (t/m³)	1.60	1.68	1.71	
Adj/Peak Conv Wet Density (t/m³)	1.91	1.92	1.92	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**100.5**	**104.0**	**103.0**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

NATA

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Corporate Site Number: 14874



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

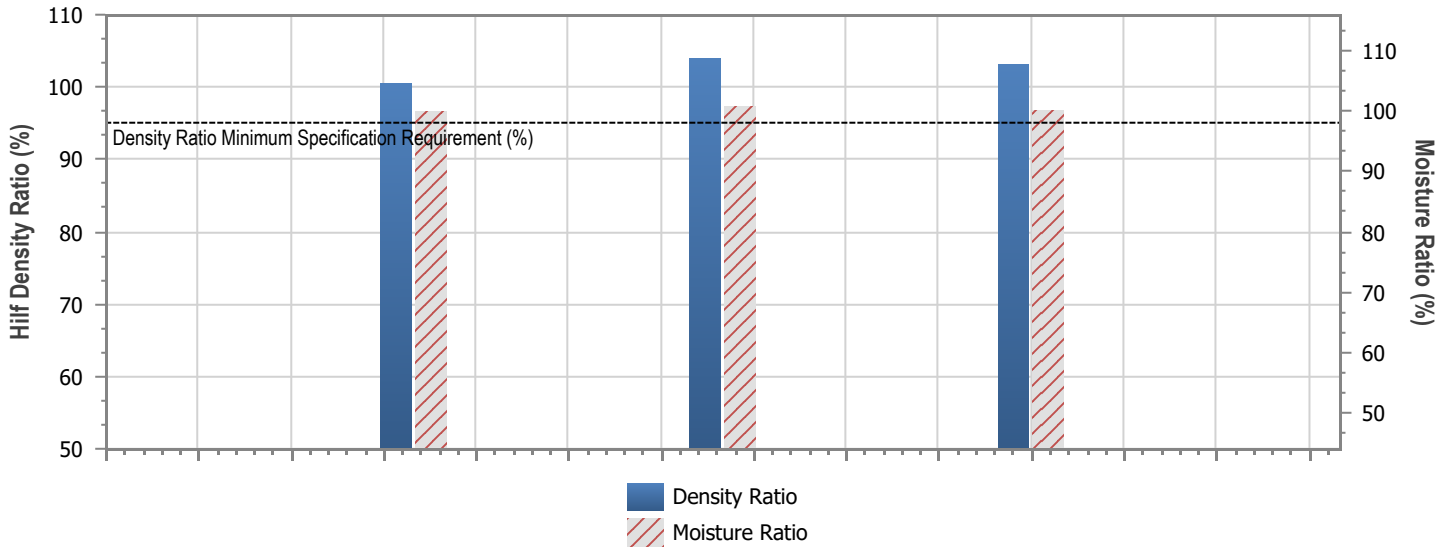
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-19306-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8382
Component:	South Basin	Client Reference/s:	level 1 Supervision 6-7-26
Area Description:	Refer To Map	Report Date / Page:	13/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	100.0	100.8	100.3	0.436
Hilf Density Ratio (%)	100.5	103.9	102.5	1.811

Lot Number: -

Mean Moisture Ratio (%): 100.3

Mean Density Ratio (%): 102.5

Remarks

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Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Constructors
Job No.	P/3155
Test Request No.	T/26-8382
Date Tested:	06/07/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT – WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-19511-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	n/a
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8503
Component:	South Basin	Client Reference/s:	Level 1 testing 7/7/26
Area Description:	RTM	Report Date / Page:	14/07/2026 Page 1 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-55812	14874/S/26-55813	14874/S/26-55814	
ID / Client ID	West of South Basin	West of South Basin	West of South Basin	
Lot Number	n/a	n/a	n/a	
Date / Time Tested	7/07/2026 15:00	7/07/2026 15:00	7/07/2026 15:00	
Material Source	Onsite	Onsite	Onsite	
Material Type	Imported	Imported	Imported	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / -	275 / 300 / -	
Standard or Modified	Standard	Standard	Standard	
Layer Number	1	2	3	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	0	0	
Compaction Sample Number	14874/S/26-55812	14874/S/26-55813	14874/S/26-55814	
Sample Description	Imported	Imported	Imported	
Moisture Test Results:				
Field Moisture Content (%)	15.2	17.3	18.1	
Adjusted / Moist. Variation (%)	**0.5**	**0.0**	**0.5**	
Optimum Moisture Content (%)	15.5	17.5	18.5	
Moisture Variation from OMC	(Drier than OMC)	(Drier than OMC)	(Drier than OMC)	
Moisture Ratio (%)	**98.0**	**99.0**	**98.0**	
Density Test Results:				
Field Wet Density (t/m³)	1.99	1.98	1.99	
Field Dry Density (t/m³)	1.73	1.69	1.68	
Adj/Peak Conv Wet Density (t/m³)	1.95	1.97	1.94	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**102.0**	**100.5**	**102.5**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Form ID: W5ASMRRepSum Rev 4

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Address:
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Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

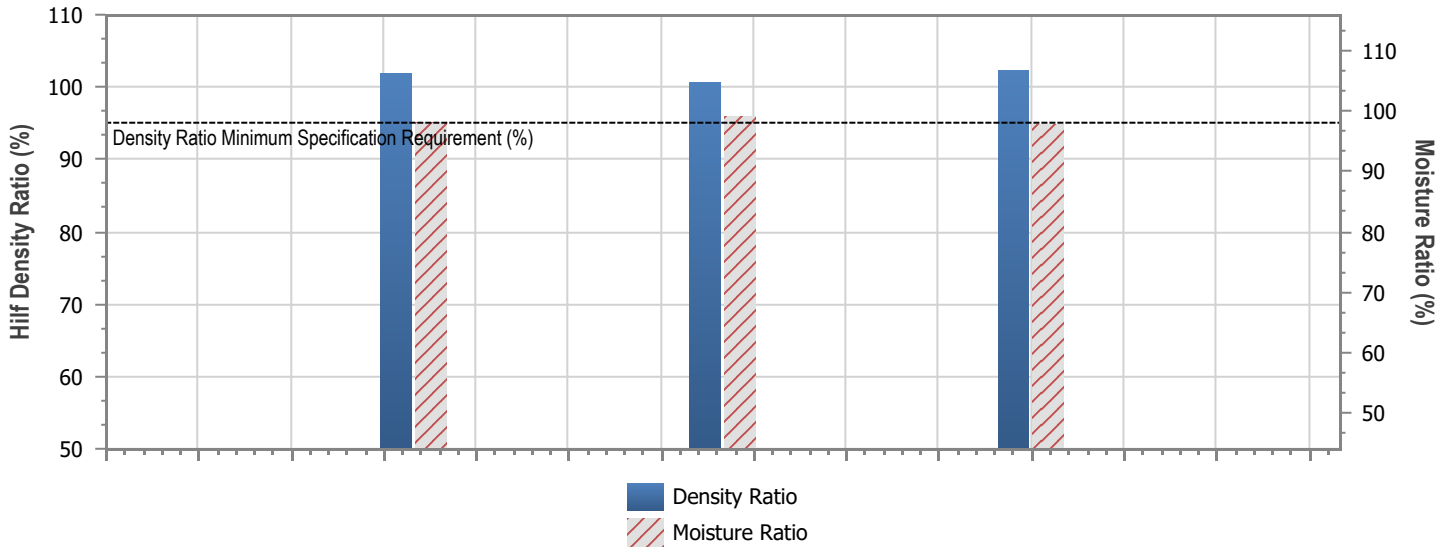
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-19511-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	n/a
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8503
Component:	South Basin	Client Reference/s:	Level 1 testing 7/7/26
Area Description:	RTM	Report Date / Page:	14/07/2026 Page 2 of 2

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	97.8	99.1	98.3	0.681
Hilf Density Ratio (%)	100.7	102.3	101.6	0.832

Lot Number: n/a

Mean Moisture Ratio (%): 98.3

Mean Density Ratio (%): 101.6

Remarks

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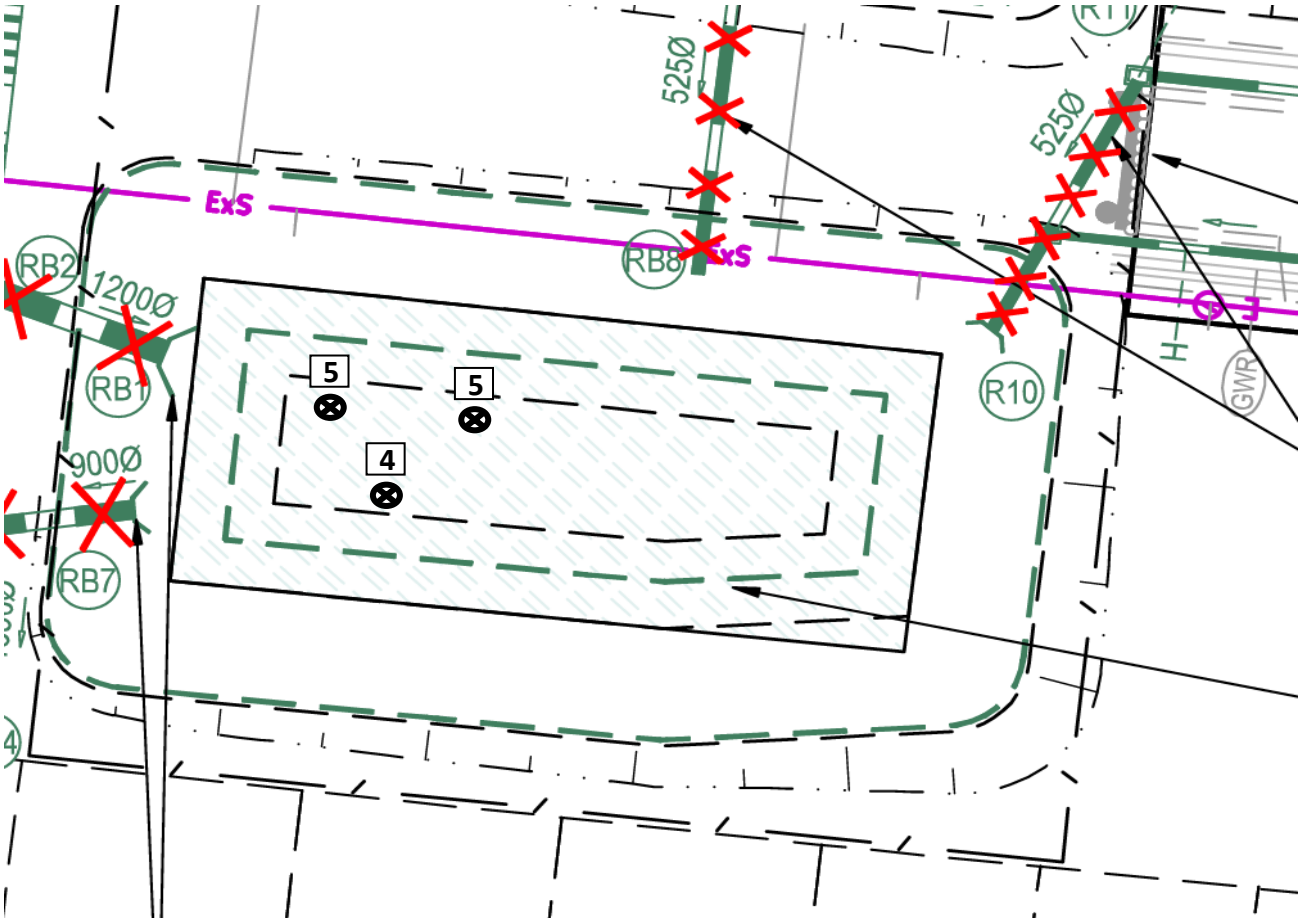
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client:	Winslow Insfrastructure
Job No.	P/3155
Test Request No.	T/26-8503
Date Tested:	7/07/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-19956-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8571
Component:	Baford Rd	Client Reference/s:	Compation Testing - 8/7/26
Area Description:	Refer to Map	Report Date / Page:	17/07/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-56305	14874/S/26-56306	14874/S/26-56307	
ID / Client ID	-	-	-	
Lot Number	-	-	-	
Date / Time Tested	8/07/2026 09:00	8/07/2026 09:00	8/07/2026 09:00	
Material Source	Onsite	Onsite	Onsite	
Material Type	FILL	FILL	FILL	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	275 / 300 / 300	275 / 300 / 300	275 / 300 / 300	
Standard or Modified	Standard	Standard	Standard	
Layer Number	5	6	7	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	0	0	
Compaction Sample Number	14874/S/26-56305	14874/S/26-56306	14874/S/26-56307	
Sample Description	FILL	FILL	FILL	
Moisture Test Results:				
Field Moisture Content (%)	18.2	21.6	16.5	
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	
Optimum Moisture Content (%)	18.0	21.5	16.5	
Moisture Variation from OMC	(at OMC)	(Wetter than OMC)	(Drier than OMC)	
Moisture Ratio (%)	**100.0**	**100.5**	**99.0**	
Density Test Results:				
Field Wet Density (t/m³)	2.06	2.08	2.07	
Field Dry Density (t/m³)	1.74	1.71	1.78	
Adj/Peak Conv Wet Density (t/m³)	2.01	2.02	2.00	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**102.5**	**103.0**	**103.5**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Corporate Site Number: 14874



Approved Signatory: Nawin Dahal
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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

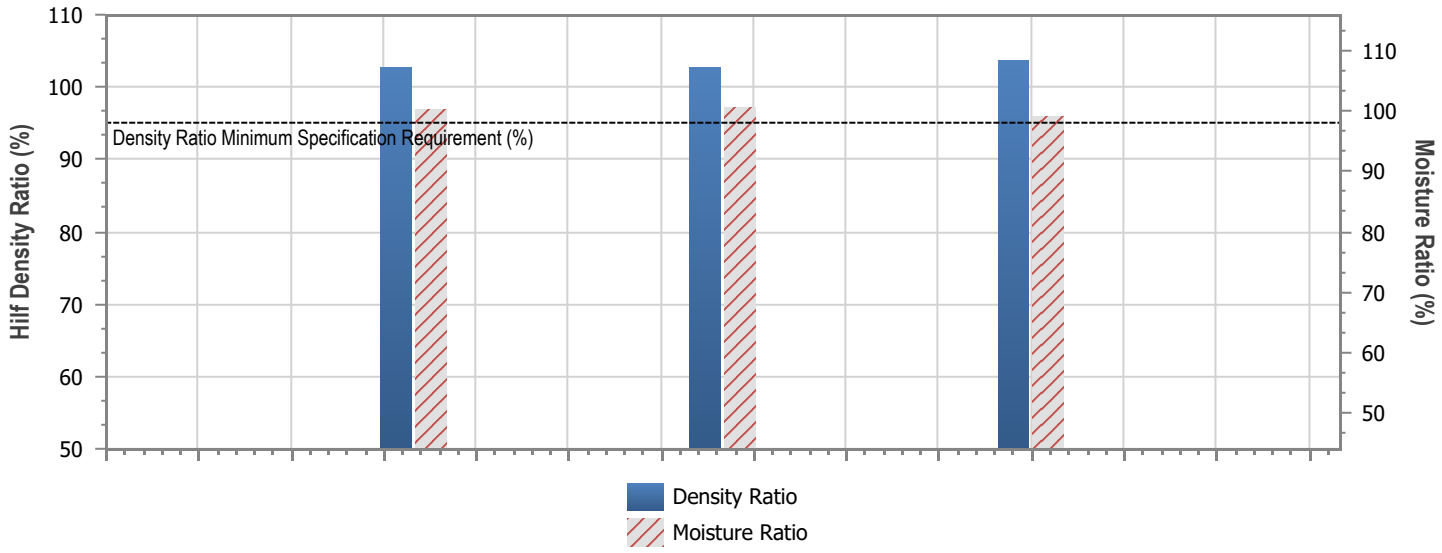
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-19956-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8571
Component:	Baford Rd	Client Reference/s:	Compation Testing - 8/7/26
Area Description:	Refer to Map	Report Date / Page:	17/07/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	99.1	100.6	100.0	0.777
Hilf Density Ratio (%)	102.7	103.7	103.1	0.561

Lot Number: -

Mean Moisture Ratio (%): 100.0

Mean Density Ratio (%): 103.1

Remarks

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Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-19956-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8571
Component:	Baford Rd	Client Reference/s:	Compation Testing - 8/7/26
Area Description:	Refer to Map	Report Date / Page:	17/07/2026 Page 3 of 3

Report Site Plan

Not To Scale Unless Indicated

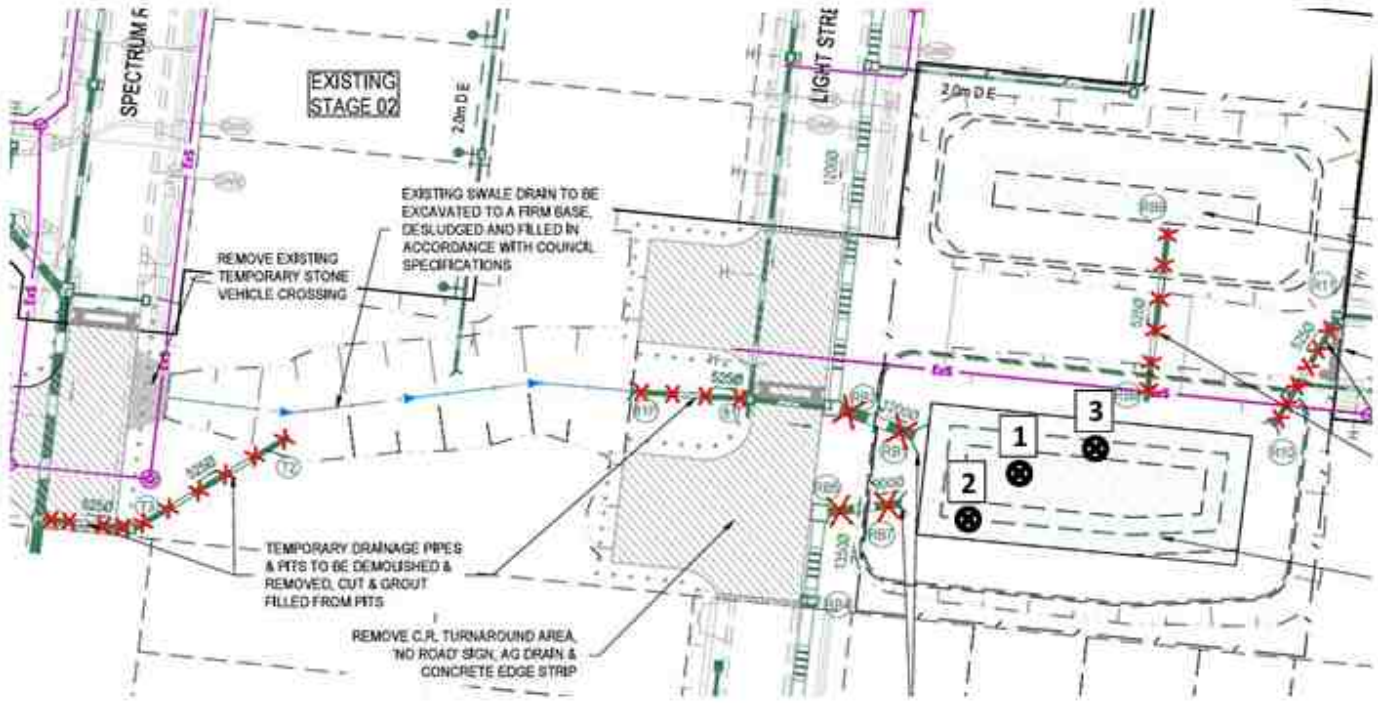
Construction Sciences

Not to Scale
Dimensions in Approx. Metres

Site Location Sketch

Test site locations only
NOT TO SCALE

Client: Winslow Contructors
Job No. P/3155
Test Request No.
Date Tested: 9/07/2026



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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-20195-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	n/a
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8574
Component:	Stage 2B	Client Reference/s:	Compaction Testing 09/07/26
Area Description:	RTM	Report Date / Page:	20/07/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-56313	14874/S/26-56314	14874/S/26-56315	
ID / Client ID	Compaction Testing 09/07/26	Compaction Testing 09/07/26	Compaction Testing 09/07/26	
Lot Number	n/a	n/a	n/a	
Date / Time Tested	9/07/2026 12:00	9/07/2026 12:00	9/07/2026 12:00	
Material Source	Onsite	Onsite	Onsite	
Material Type	Insitu	Insitu	Insitu	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	175 / 200 / 200	175 / 200 / 200	175 / 200 / 200	
Standard or Modified	Standard	Standard	Standard	
Layer Number	Layer 8	Layer 9	Layer 9	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	3	0	0	
Compaction Sample Number	14874/S/26-56313	14874/S/26-56314	14874/S/26-56315	
Sample Description	Insitu	Insitu	Insitu	
Moisture Test Results:				
Field Moisture Content (%)	14.4	17.8	21.5	
Adjusted / Moist. Variation (%)	**0.0**	**0.0**	**0.0**	
Optimum Moisture Content (%)	14.5	17.5	21.5	
Moisture Variation from OMC	(at OMC)	(Wetter than OMC)	(Wetter than OMC)	
Moisture Ratio (%)	**100.0**	**101.5**	**100.5**	
Density Test Results:				
Field Wet Density (t/m³)	1.88	1.96	2.00	
Field Dry Density (t/m³)	1.64	1.67	1.65	
Adj/Peak Conv Wet Density (t/m³)	1.93	1.96	1.98	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**97.5**	**100.5**	**101.0**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

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Form ID: W5ASMRRepSum Rev 4

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Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
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LOT REPORT - WET DENSITY RATIO

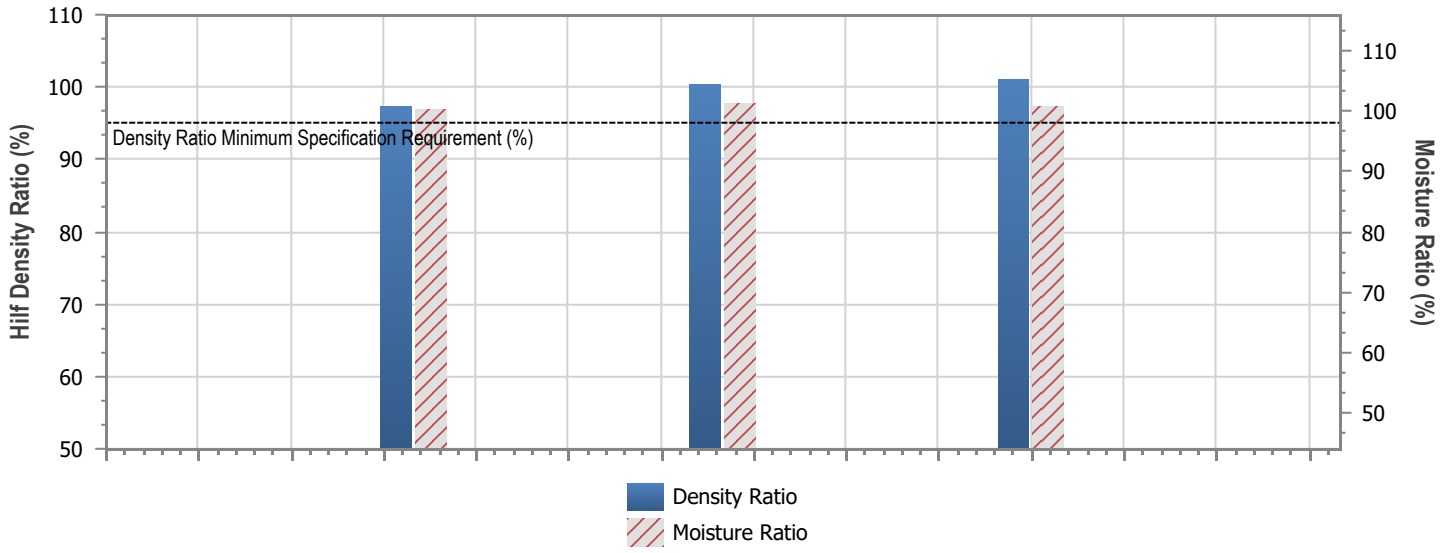
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-20195-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	n/a
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8574
Component:	Stage 2B	Client Reference/s:	Compaction Testing 09/07/26
Area Description:	RTM	Report Date / Page:	20/07/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	100.2	101.3	100.7	0.551
Hilf Density Ratio (%)	97.3	101.0	99.6	1.979

Lot Number: n/a

Mean Moisture Ratio (%): 100.7

Mean Density Ratio (%): 99.6

Remarks

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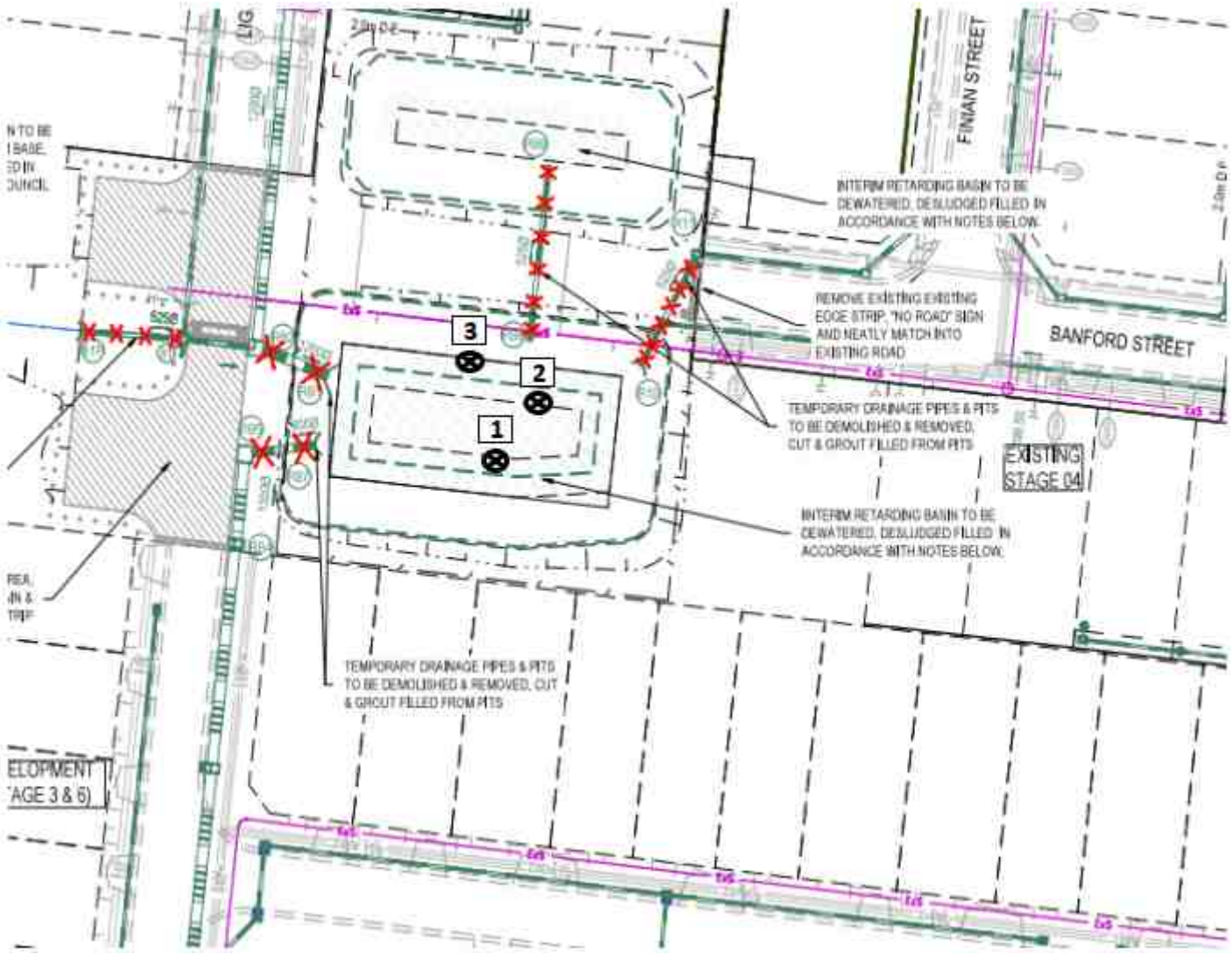
Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-20195-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	n/a
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8574
Component:	Stage 2B	Client Reference/s:	Compaction Testing 09/07/26
Area Description:	RTM	Report Date / Page:	20/07/2026 Page 3 of 3

Report Site Plan

Not To Scale Unless Indicated



Construction Sciences
a kiwa company

Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT – WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-20200-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8617
Component:	Baford Rd - South Basin	Client Reference/s:	Compation Testing - 10/7/26
Area Description:	Refer to Map	Report Date / Page:	20/07/2026 Page 1 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1

Sample Number	14874/S/26-56764	14874/S/26-56765	14874/S/26-56766	
ID / Client ID	Compaction Testing 10/07/26	Compaction Testing 10/07/26	Compaction Testing 10/07/26	
Lot Number	-	-	-	
Date / Time Tested	10/07/2026 12:00	10/07/2026 12:00	10/07/2026 12:00	
Material Source	Imported	Imported	Imported	
Material Type	Insitu	Insitu	Insitu	
Sampling Method	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	AS1289.1.2.1 Cl 6.4b	
Depths: Test / Nom / Actual (mm)	175 / 200 / 200	175 / 200 / 200	175 / 200 / 200	
Standard or Modified	Standard	Standard	Standard	
Layer Number	Layer 10	Layer 10	Layer 10	
Location Number	1	2	3	
Test Fraction (mm)	< 19.0 mm	< 19.0 mm	< 19.0 mm	
Sample Oversize (%)	0	0	6	
Compaction Sample Number	14874/S/26-56764	14874/S/26-56765	14874/S/26-56766	
Sample Description	Insitu	Insitu	Insitu	
Moisture Test Results:				
Field Moisture Content (%)	17.0	23.2	17.6	
Adjusted / Moist. Variation (%)	**-0.5**	**0.0**	**0.0**	
Optimum Moisture Content (%)	16.5	23.0	17.5	
Moisture Variation from OMC	(Wetter than OMC)	(at OMC)	(Wetter than OMC)	
Moisture Ratio (%)	**102.5**	**100.0**	**100.5**	
Density Test Results:				
Field Wet Density (t/m³)	1.98	1.99	2.00	
Field Dry Density (t/m³)	1.70	1.61	1.70	
Adj/Peak Conv Wet Density (t/m³)	1.96	1.98	1.97	
Density Ratio Required (%)	95	95	95	
Hilf Density Ratio (%)	**101.0**	**100.5**	**101.5**	

(Moisture Ratio = (100 x Field Moisture Content) / Optimum Moisture Content. Moisture Ratio calculation not covered by NATA endorsement)

Remarks

Accredited for compliance with ISO/IEC 17025 – Testing
This report shall not be altered or reproduced, except in full.

Accreditation Number: 1986
Corporate Site Number: 14874

Approved Signatory: Daniel Boyd
Form ID: W5ASMRRepSum Rev 4

Construction Sciences
a kiwa company

Construction Sciences Pty Ltd
ID: 74 128 806 735

Address:
60 - 64 Vella Drive,
Sunshine West VIC 3020

Laboratory: Melbourne Laboratory
Phone: 03 9364 9301

Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

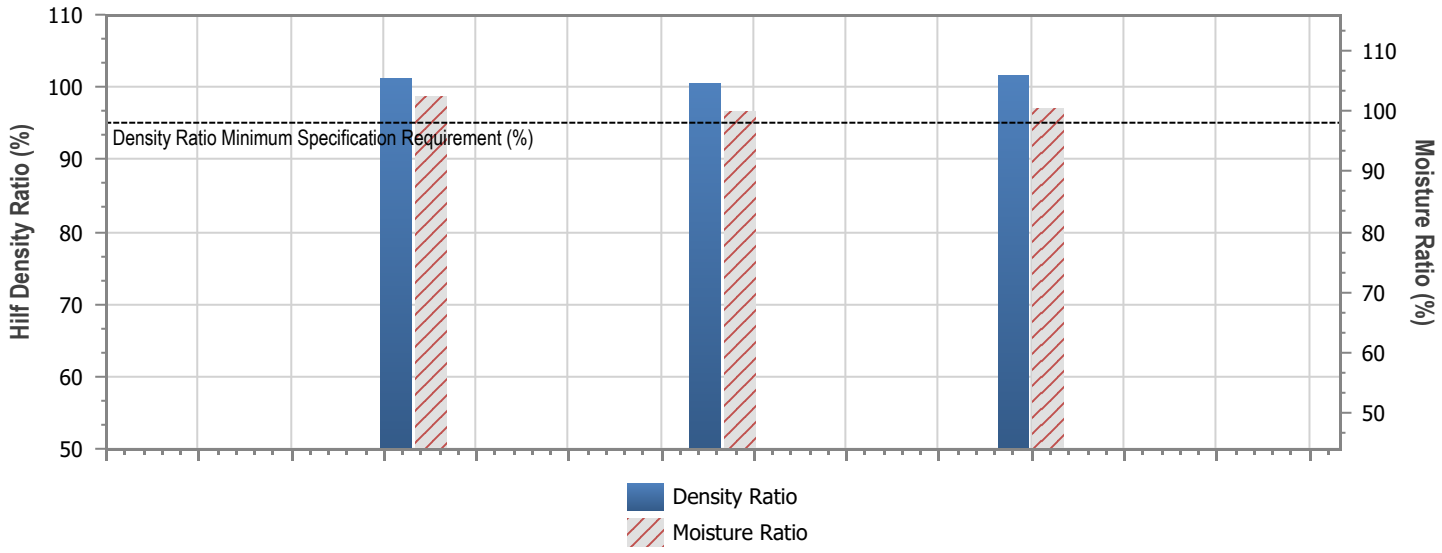
Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-20200-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
Sub-Project:	Wollert Rise Stage 2B	Internal Test Request:	14874/T/26-8617
Component:	Baford Rd - South Basin	Client Reference/s:	Compation Testing - 10/7/26
Area Description:	Refer to Map	Report Date / Page:	20/07/2026 Page 2 of 3

Test Procedures:	AS1289.5.7.1, RC301.01, AS1289.5.8.1, AS1289.2.1.1
Statistical Analysis Test Method:	Vic Roads RC316.00

Nuclear Gauge Calibration Details

Calibration Number	-	Material Source	-
Calibration Last Updated	-	Material Type	-
Nominated Calibration Layer Depth (mm)	-	-	

LOT TEST RESULT SUMMARY



Tests in Lot = 3	Lot Minimum	Lot Maximum	Lot Mean	Standard Deviation
Moisture Ratio (%)	100.0	102.4	100.9	1.286
Hilf Density Ratio (%)	100.6	101.6	101.1	0.535

Lot Number: -

Mean Moisture Ratio (%): 100.9

Mean Density Ratio (%): 101.1

Remarks

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Accreditation Number: 1986
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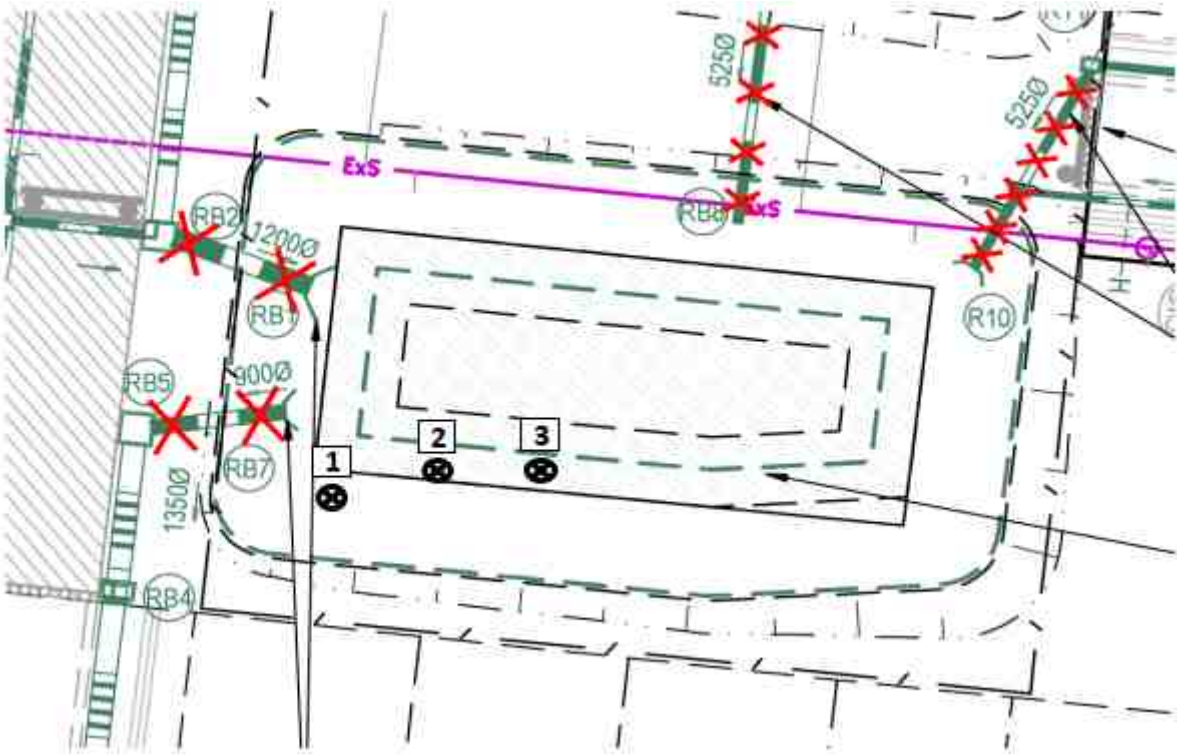
Email: Melbourne@constructionsciences.net

LOT REPORT - WET DENSITY RATIO

Client:	Winslow Infrastructure Pty Ltd	Report Number:	14874/R/26-20200-1
Client Address:	2 Central Blvd, Port Melbourne	Project Number:	14874/P/3155
Project:	Construction Material Testing 2024	Lot Number:	
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Component:	Baford Rd - South Basin	Client Reference/s:	Compation Testing - 10/7/26
Area Description:	Refer to Map	Report Date / Page:	20/07/2026 Page 3 of 3

Report Site Plan

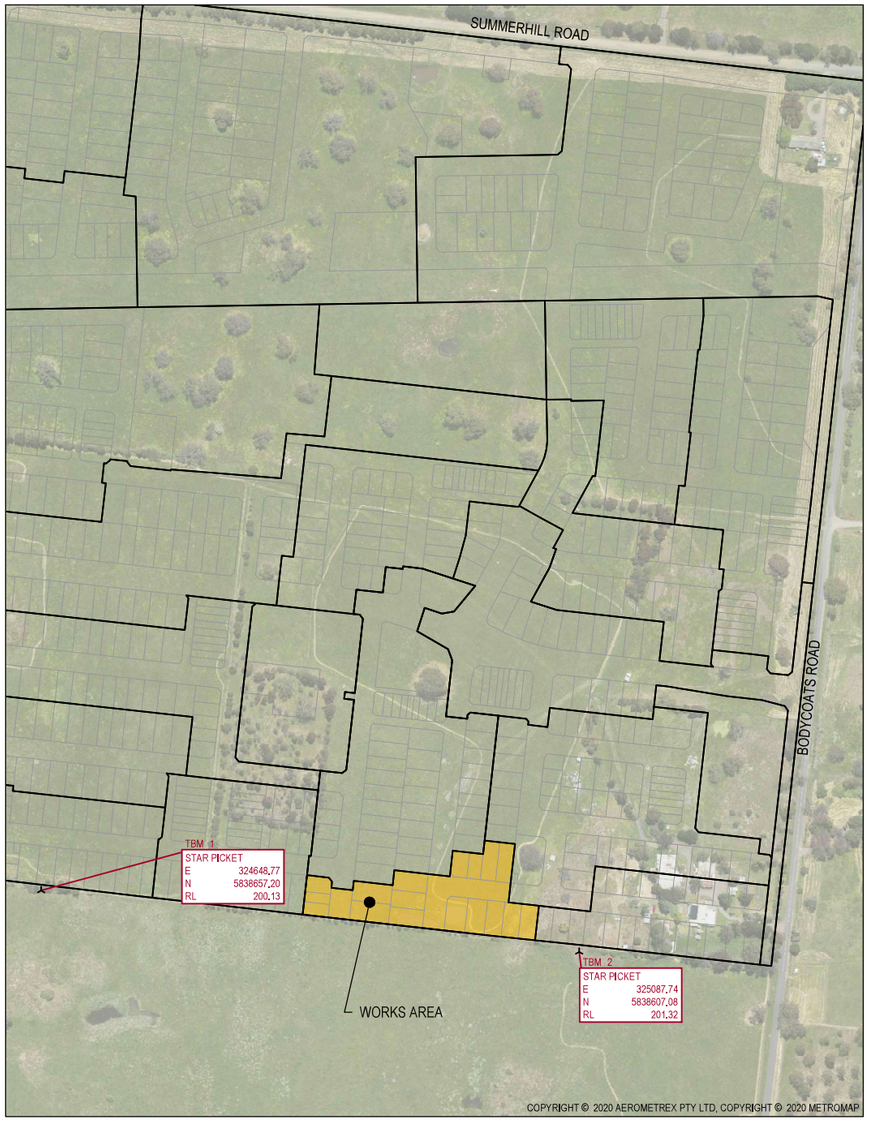
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Appendix B

Site Plan

Wollert Rise
Stage 2B



Drawing Index

2459E-02B-101 Cover Plan & General Notes
2459E-02B-102 Typical Cross Sections
2459E-02B-103 Decommissioning Plan
2459E-02B-111 Layout Plan
2459E-02B-131 Earthworks Plan
2459E-02B-171 Signage & Linemarking Plan
2459E-02B-181 Intersection Detail Plan
2459E-02B-201 Longitudinal Sections
2459E-02B-251 Cross Sections: Banford Street CH 11.80 - 59.65 Light Street CH 718.09 - 742.84
2459E-02B-252 Cross Sections: Spectrum Road CH 233.65 - 258.01
2459E-02B-301 Drainage Longitudinal Sections
2459E-02B-351 Pit Schedule
2459E-02B-411 Pavement Details
2459E-02B-421 General Details
2459E-02B-500 Safety In Design

GENERAL NOTES (WHITTLESEA CITY COUNCIL)

1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE VPA MANUAL AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
   - 3.1. COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
   - 3.2. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
   - 3.3. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
7. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
8. WHEN ENGAGED IN BLASTING OPERATIONS THE CONTRACTOR SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE SUPERINTENDENT. BLASTING REQUIRES A BLASTING PERMIT FROM COUNCIL.
9. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE SURFACED WITH A 100mm MINIMUM TO 200mm MAXIMUM LAYER OF TOPSOIL AS SPECIFIED.
10. NO TOPSOIL TO BE REMOVED FROM SITE.
11. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
12. FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT.
13. FILLING WITHIN LOTS AND ROAD RESERVES MUST COMPLY WITH THE WHITTLESEA COUNCIL CIVIL WORKS SPECIFICATION NOTE 20.6.4. FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING 98% AUSTRALIAN STANDARD DENSITY.
14. FILL REQUIRED MUST BE TYPE A STRUCTURAL MATERIAL AT 45° ANGLE OF REPOSE.
15. ALL CUT AND FILL BATTERS ARE NOT TO EXCEED 1 in 6.
16. ALLOTMENTS TO BE GRADED TO ENSURE A MINIMUM GRADE OF 1 in 150.
17. ALL DRAINAGE PIPES LESS THAN OR EQUAL TO 750mm DIAMETER OR UNDER ROAD PAVEMENTS ARE TO BE RUBBER RING JOINTED, UNLESS SHOWN OTHERWISE. PIPES ABOVE 750mm MUST BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS.
18. ALL DRAINS UNDER ROAD PAVEMENTS ARE TO BE CLASS 4 R.C.P.
19. ALL DRAINAGE TRENCHES UNDER ROAD PAVEMENTS, KERB & CHANNEL, PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERBS & CHANNEL SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
20. ALL PITS GREATER THAN OR EQUAL TO 900mm DEPTH TO BE PROVIDED WITH STEP IRONS IN ACCORDANCE WITH SD1041.
21. ALL PITS ARE TO BE AT LEAST 2m AWAY FROM THE PRAM CROSSING.
22. PROPERTY INLETS WITHIN DRAINAGE EASEMENTS ARE TO BE PLACED 1.00m FROM LOW CORNERS OF ALLOTMENTS UNLESS OTHERWISE SPECIFIED.
23. ALL HOUSE DRAINS IN ROADS ARE TO BE PLACED 5.5m FROM LOW CORNERS OF ALLOTMENTS UNLESS OTHERWISE SPECIFIED OR CONNECTED DIRECTLY TO THE PIT. HOUSE DRAIN LOCATION TO BE MARKED (50mm STAMPED IMPRESSION) ON THE TOP OF THE KERB.
24. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWING EDCM 202a.
25. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE EXTENDED TO PROPERTY LINE AND ARE REQUIRED WHEN CONNECTIONS EXTEND UNDER ROAD PAVEMENT, FOOTPATH OR OTHER INFRASTRUCTURE. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS H (PROPERTY STORMWATER CONNECTION), E (ELECTRICAL), G (GAS), T (TELEPHONE), W (WATER) AND C (COUNCIL COMMUNICATION) AS PER STANDARD DRAWING EDCM 303.
26. ALL SERVICING TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS ETC. ARE TO BE BACKFILLED & COMPACTED WITH F.C.R. IN THE CASE OF TRENCHES UNDER ROADS WHERE BACKFILLING HAS NOT ACHIEVED THE SPECIFIED COMPACTION OR SHOWS EXCESSIVE MOVEMENT UNDER PROFFROLLING, THE BACKFILLING SHALL BE REMOVED AND REPLACED WITH 2% STABILISED COMPACTED F.C.R. ALL SERVICES ARE TO BE PLACED PRIOR TO THE CAPPING LAYER.
27. NO TELSTRA PITS ARE TO BE LOCATED IN THE FOOTPATH.
28. VEHICULAR CROSSINGS TO BE LOCATED CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. VEHICULAR CROSSINGS TO BE CONSTRUCTED AS PER WHITTLESEA CITY COUNCIL'S SPECIFICATIONS AND EDCM 501 TO 503.
29. ALL PEDESTRIAN CROSSING THROUGH SPLITTER ISLANDS TO BE IN ACCORDANCE WITH SD606.
30. ALL STREET SIGNS TO BE IN ACCORDANCE WITH SD812. STREET SIGNS TO BE ATTACHED TO LIGHT POLES USING 'SINGLE DIRECTION COLLAR' OR '90° RIGHT ANGLE COLLAR' UNLESS SHOWN OTHERWISE.
31. ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND AS1742.1 STANDARD RESPECTIVELY. TEMPORARY LINEMARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINEMARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
32. THE CAPPING LAYER MUST BE DEMONSTRATED THROUGH TESTING THAT ITS PROPERTIES (CBR, PERMEABILITY, ETC.) SATISFY LIMITS AS OUTLINED IN THE TECHNICAL SPECIFICATION TABLE 20.3.5B WITH A MINIMUM MODULAS OF 100MPa.
33. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.

B

TABLE 1: TBM SETOUT TABLE

POINT	EAST	NORTHING	ELEVATION	DESCRIPTION
TBM 1 (C38SSPL)	324648,77	5838657,20	200,13	STEEL STAR PICKET
TBM 2 (C35RVTRL)	325087,74	5838607,08	201,32	STEEL STAR PICKET

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

WARNING
SAFETY MEASURES REQUIRED
Please note there are risks attached to the construction of this project, and any ongoing maintenance of structures. Consider the safety of all. For potential risks, consequences and controls refer to Safety In Design Risk Register SID P4.E6. 2459E-02B-500
ASSESS THE RISK - STAY SAFE

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	20.03.24	NOTES & TITLE BLOCK UPDATED	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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ABN 47 065 475 149
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Melbourne, VIC 3008
Ph 03 9514 1500

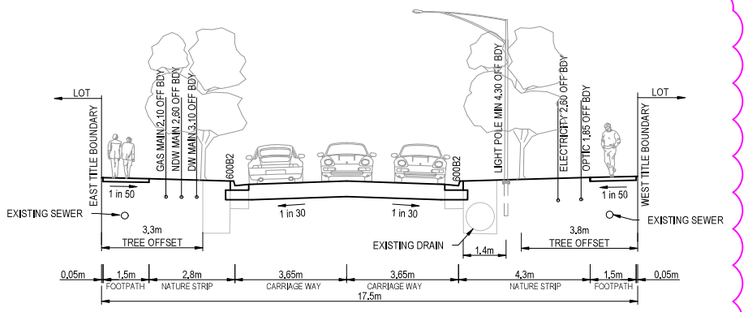
Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Cover Plan & General Notes

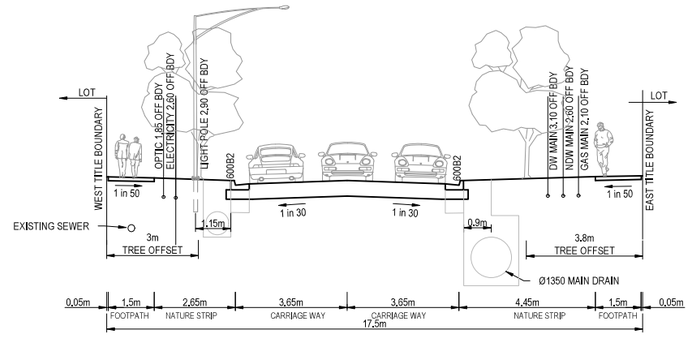
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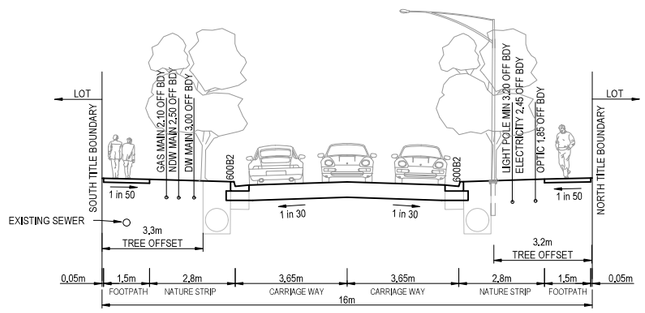
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17,5m ACCESS STREET
SPECTRUM ROAD



17,5m ACCESS STREET
LIGHT STREET



16m ACCESS STREET
BANFORD STREET

C

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	20.03.24	TYPICAL SECTIONS UPDATED	K.KANG	K.KANG	T.MOTET	N.HOLLOW
C	09.05.24	LABELS ADDED TO DIMENSIONS	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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Melbourne, VIC 3008
Ph 03 9514 1500

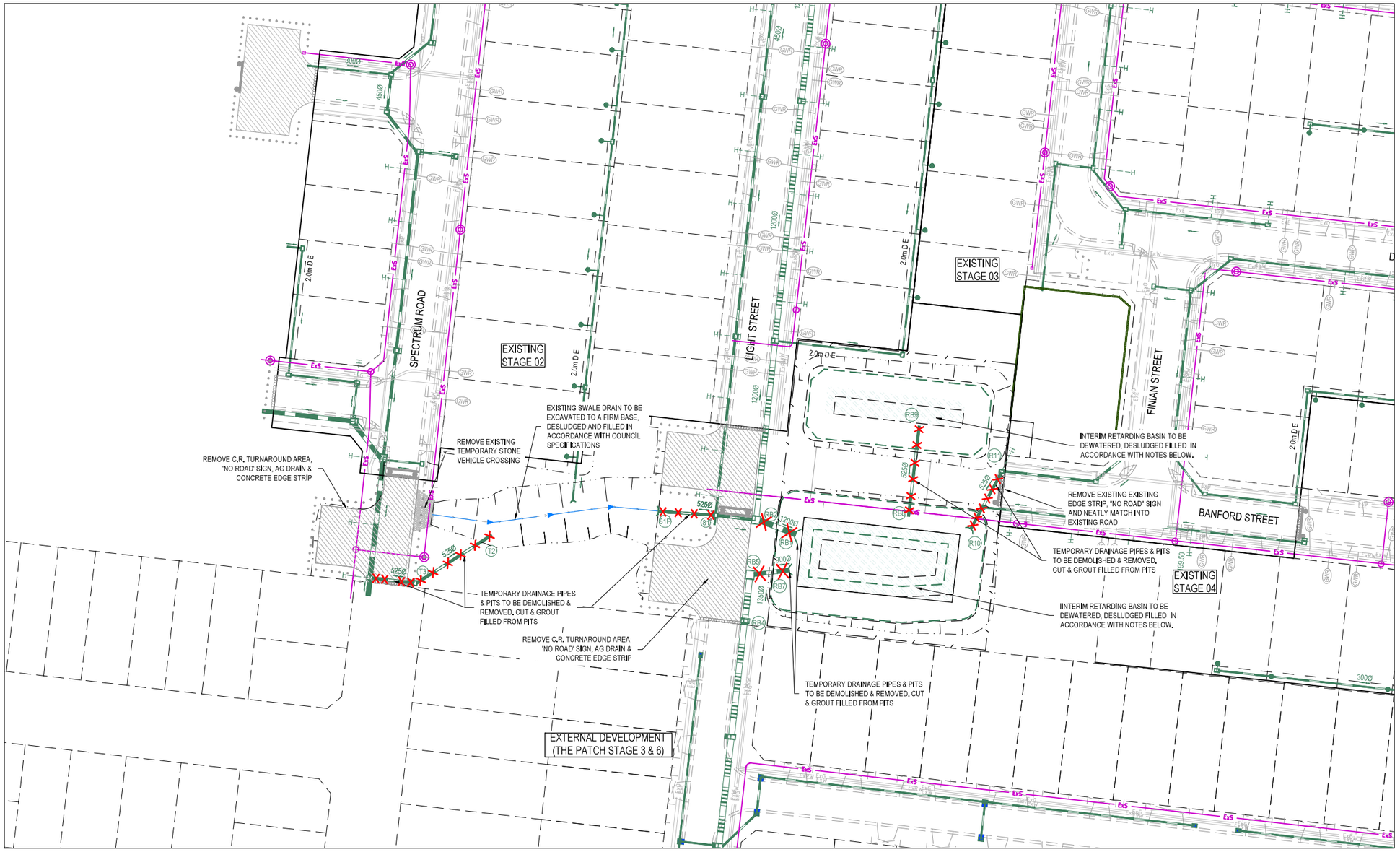
Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Typical Cross Sections

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LEGEND - DECOMMISSIONING PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S T	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	ELECTRICITY (U.GROUND)
O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	STORMWATER DRAIN TO BE REMOVED
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
Ex H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
O/H E	EXISTING ELECTRICITY OVERHEAD
Ex G	EXISTING GAS
Ex T	EXISTING TELSTRA
Ex O	EXISTING OPTIC FIBRE
Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex Ag	EXISTING AG. DRAIN
GW	EXISTING SERVICE CONDUITS
	ZERO LOT LINES
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

PROTECT EXISTING SEWER AND OTHER EXISTING SERVICES AT ALL TIMES DURING THE DECOMISSIONING OF THE INTERIM RETARDING BASIN

NOTES:

1. EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH ENGINEERING DESIGN AND CONSTRUCTION MANUAL (EDCM 2019) AND CITY OF WHITTLESEA'S GUIDELINES FOR URBAN DEVELOPMENT (GUD).
2. MATERIAL TO BE USED FOR FILL CONSTRUCTION SHALL SATISFY THE REQUIREMENTS OF AS 3798 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS".
3. ALL FILLING INTRODUCED ONTO SITE MUST BE FULLY SUPPORTED BY CLEAN FILL CERTIFICATES COMPLYING WITH THE RELEVANT REQUIREMENTS OF THE EPA.
4. WHERE THE DEPTH OF FILL IS GREATER THAN 300 MM ALL FILLING WITHIN THE LOT MUST BE COMPACTED TO THE REQUIREMENTS OF EDCM /GUD AND TRIMMED AS SHAPED TO MATCH EXISTING SITE LEVELS. COMPACTION REPORT SHALL BE PROVIDED AS PART OF PC WALK REQUEST.

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS900871Y

DEVELOPMENT ENGINEER

20/05/2024
DATE APPROVED

WARNING

BEWARE OF UNDERGROUND SERVICES

The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW

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Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Decommissioning Plan

MELWAYS REF.	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-103	03 of 15	A

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-103.dwg PRINTED BY: KK16460 on 22/03/2024 at 01:39:36 PM

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LEGEND - LAYOUT PLAN ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S T	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	ELECTRICITY (U.GROUND)
O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
O/H E	EXISTING ELECTRICITY OVERHEAD
Ex G	EXISTING GAS
Ex T	EXISTING TELSTRA
Ex O	EXISTING OPTIC FIBRE
Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex.Ag	EXISTING AG. DRAIN
GW	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
Fut E	FUTURE ELECTRICITY (UNDER GROUND)
Fut O/H E	FUTURE ELECTRICITY OVERHEAD
Fut G	FUTURE GAS
Fut T	FUTURE TELSTRA
Fut O	FUTURE OPTIC FIBRE
Fut W	FUTURE WATER
Fut RW	FUTURE RECYCLED WATER
Fut Ag	FUTURE AG. DRAIN
GW	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
141.34	EXISTING SURFACE LEVEL
FS140.35	FINISHED BUILDING LINE LEVEL
FR157.40	FINISHED RIDGE LINE LEVEL
CH270.00	CHAINAGE
TW159.60	TOP OF RETAINING WALL LEVEL
BW159.00	BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	TREE PROTECTION ZONES
	TREE TO BE RELOCATED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING
	EXISTING DRY STONE WALL
	Ex. DRY STONE WALL TO BE REMOVED
	DRY STONE WALL TO BE RELOCATED

C

SERVICES OFFSET TABLE								
ROAD NAME	SEWER	GAS	WATER	RECYCLED WATER	ELECTRICITY	LIGHT POLE	TELECOM	STREET TREES
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)
LIGHT STREET	1.00 W (Ex)	2.10 E	3.10 E	2.60 E	2.60 W	2.90 W	1.85 W	3.80 E / 3.00 W
SPECTRUM ROAD	1.00 E (Ex) & 1.00 W (Ex)	2.10 E	3.10 E	2.60 E	2.60 W	4.30 W	1.85 W	3.30 E / 3.80 W
BANFORD STREET	1.00 S (Ex)	2.10 S	3.00 S	2.50 S	2.45 N	3.20 N	1.85 N	3.30 S / 3.20 N

ROAD LAYOUT TABLE								
ROAD NAME	RESERVE WIDTH	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
LIGHT STREET	17.5	6.40	7.30	7.60	600B2	600B2	4.20	6.00
SPECTRUM ROAD	17.5	6.40	7.30	7.60	600B2	600B2	5.85	4.35
BANFORD STREET	16.0	6.40	7.30	7.60	600B2	600B2	4.35	4.35

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	20.03.24	MAIN DRAIN LINE TYPE & PIT GRATE AMENDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW
C	09.05.24	PIT 87 & SERVICE TABLE AMENDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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PERMIT REF. NO. 717910

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SCALE AS SHOWN AT A1

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Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Layout Plan

MELWAYS REF.	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-111	04 of 15	C

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-111.dwg PRINTED BY: KK16460 on 10/05/2024 at 10:45:14 AM

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LEGEND - EARTHWORKS PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	ELECTRICITY (U.GROUND)
O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
Ex H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
Ex O/H E	EXISTING ELECTRICITY OVERHEAD
Ex G	EXISTING GAS
Ex T	EXISTING TELSTRA
Ex O	EXISTING OPTIC FIBRE
Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex Ag	EXISTING AG. DRAIN
Ex GW	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
Fut H	FUTURE HOUSE DRAIN
Fut E	FUTURE ELECTRICITY (UNDER GROUND)
Fut O/H E	FUTURE ELECTRICITY OVERHEAD
Fut G	FUTURE GAS
Fut T	FUTURE TELSTRA
Fut O	FUTURE OPTIC FIBRE
Fut W	FUTURE WATER

Fut RW	FUTURE RECYCLED WATER
Fut Ag	FUTURE AG. DRAIN
GW	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
141.34	EXISTING SURFACE LEVEL
FS140.35	FINISHED BUILDING LINE LEVEL
FR157.40	FINISHED RIDGE LINE LEVEL
CH270.00	CHAINAGE
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	EXISTING RETAINING WALL
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	DIRECTION OF FALL
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	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO BE RELOCATED
	TREE PROTECTION ZONE
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING
	EXISTING DRY STONE WALL
	Ex. DRY STONE WALL TO BE REMOVED
	DRY STONE WALL TO BE RELOCATED

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.MANGAY	N.HOLLOW

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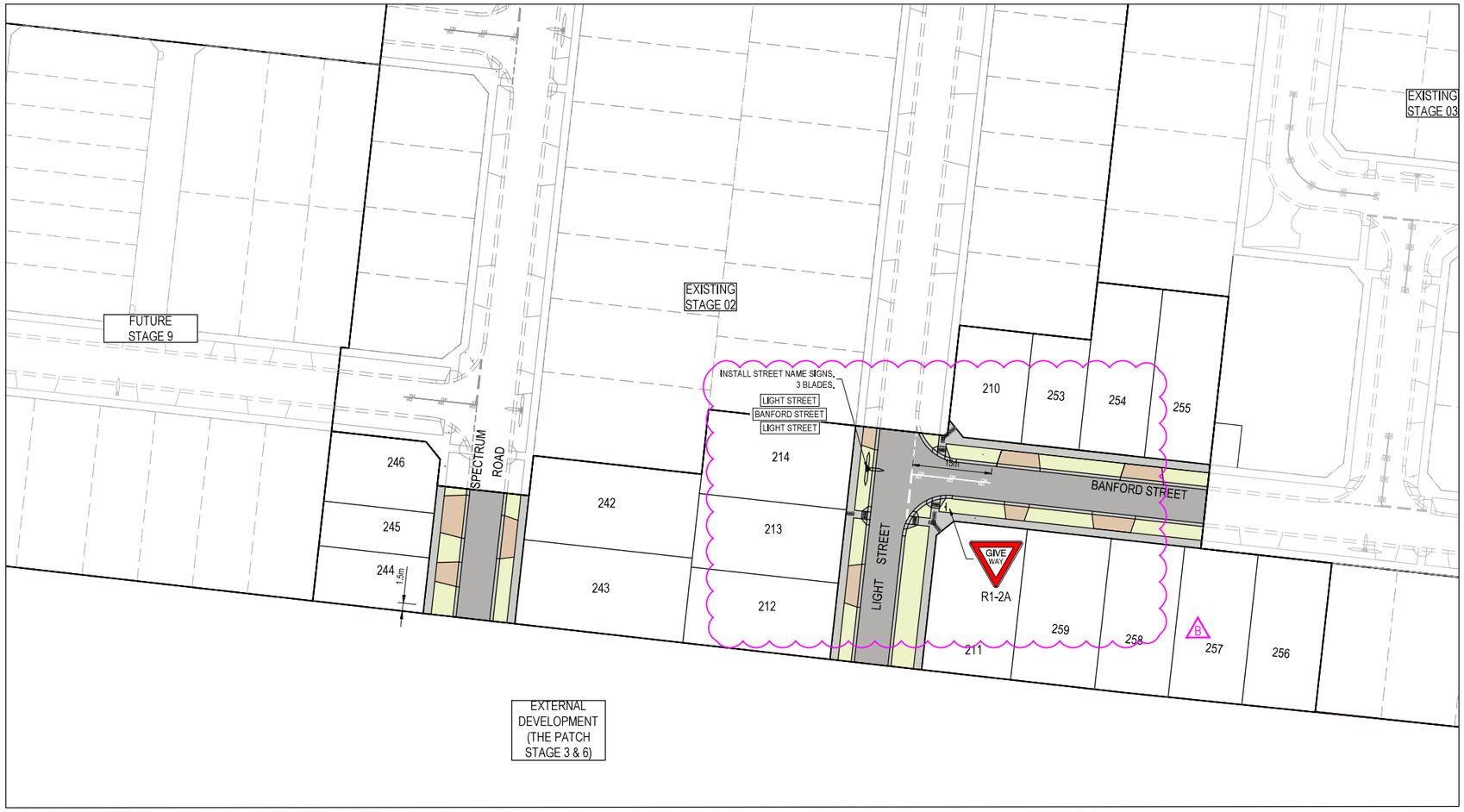
Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Earthworks Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-131	05 of 15	A

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoatts Rd\2459E-02B\2459E-029-131.dwg PRINTED BY: KK16460 on 22/03/2024 at 03:06:25 PM

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SIGN SCHEDULE	
GIVE WAY R1-2A	GIVE WAY
	STREET NAME SIGN

B

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

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NOTES
1. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPM'S AT MAX 6m SPACING.
2. RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL MANUAL VOL 2.
3. ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	20.03.24	SIGNAGE & SCHEDULE TABLE AMENDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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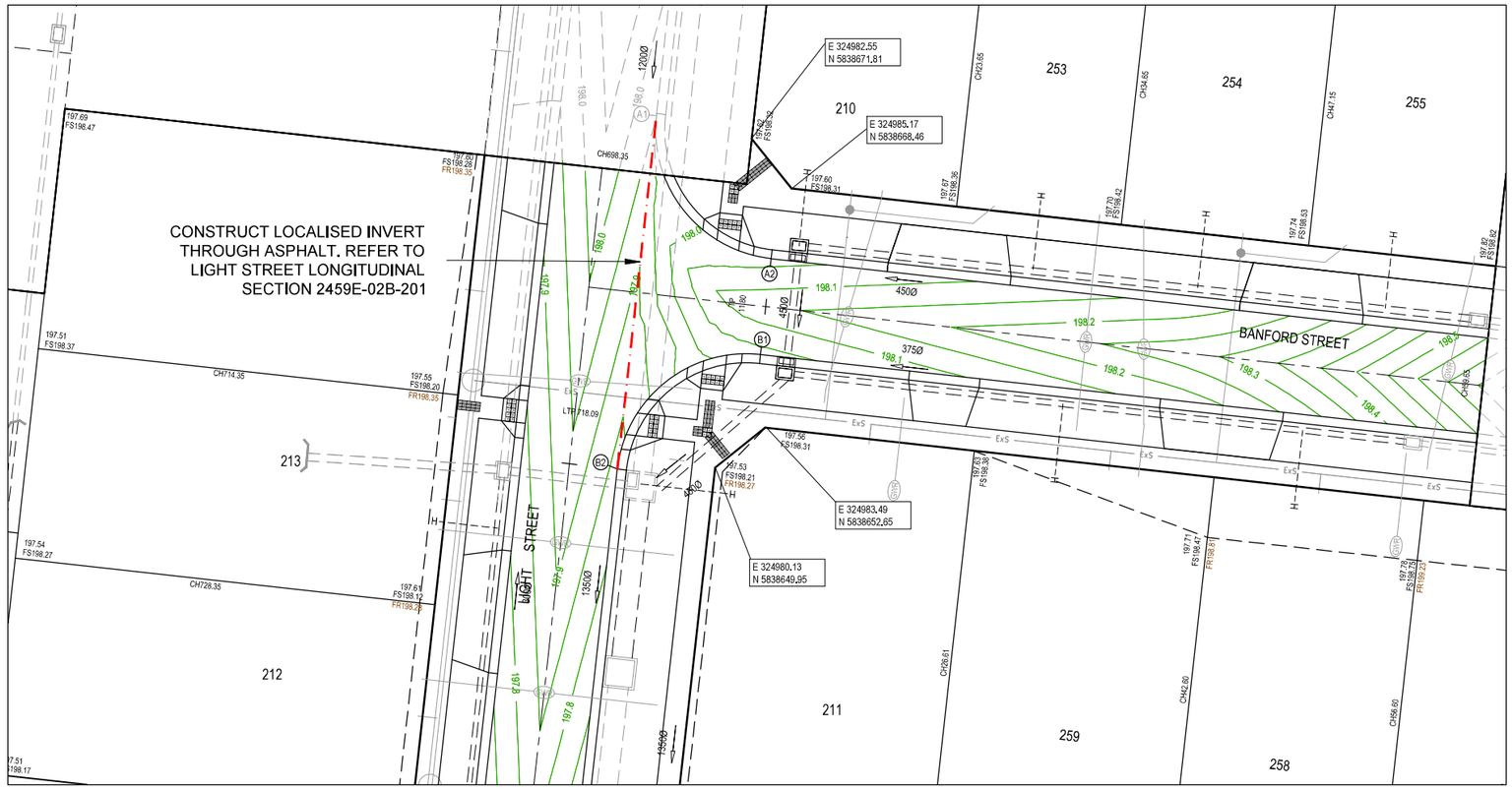
Wollert. Rise

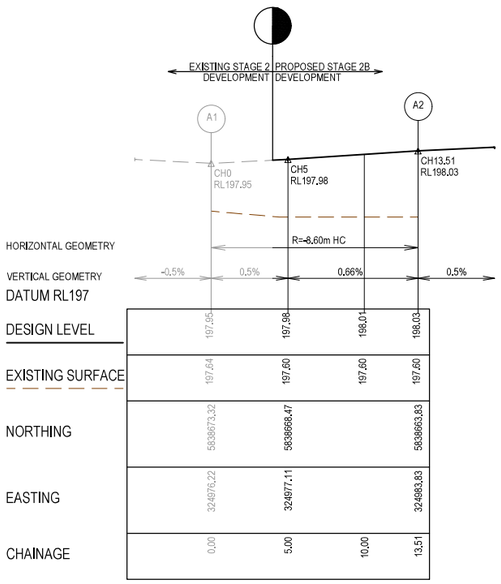
Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Signage & Linemarking Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-171	06 of 15	B

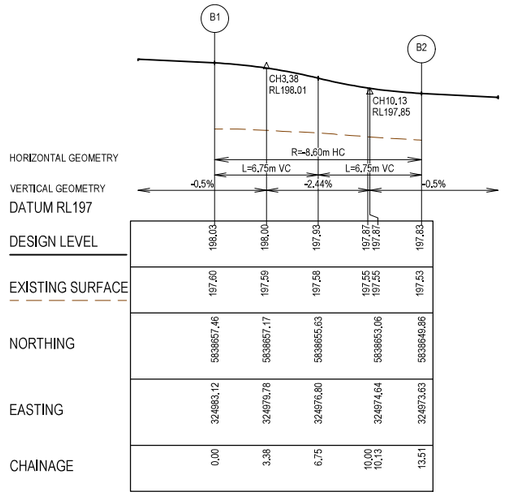
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LIP LINE A



LIP LINE B

LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

STORMWATER DRAIN, PIT & PROPERTY INLET
MAIN DRAIN
SEWER & MAINTENANCE STRUCTURES
HOUSE DRAIN
SERVICE CONDUITS
TACTILE PAVERS
EXISTING STORMWATER DRAIN
EXISTING MAIN DRAIN
EXISTING SEWER & MAINTENANCE STRUCTURES
EXISTING SERVICE CONDUITS
EXISTING TACTILE PAVERS
FUTURE STORMWATER DRAIN
FUTURE MAIN DRAIN
FUTURE SEWER & MAINTENANCE STRUCTURES
FUTURE HOUSE DRAIN
FUTURE SERVICE CONDUITS
FUTURE TACTILE PAVERS
EXISTING RETAINING WALL
RETAINING WALL
FUTURE RETAINING WALL
EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
PERMANENT SURVEY MARK
TEMPORARY BENCH MARK
PROPOSED DRIVEWAY & FOOTPATH

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

NOTES

1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0,75m FROM PITS.
2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2,0m FROM VEHICLE CROSSINGS.
3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.
4. TRANSITION KERB PROFILES ACROSS PRAM CROSSING (REFER TO EDCM 403)

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
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PLAN OF SUB. NO.

PERMIT REF. NO. 717910

SUBJECT TO APPROVAL

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Scale H1:200, V1:20
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Scale 1:200
SCALE AS SHOWN AT A1

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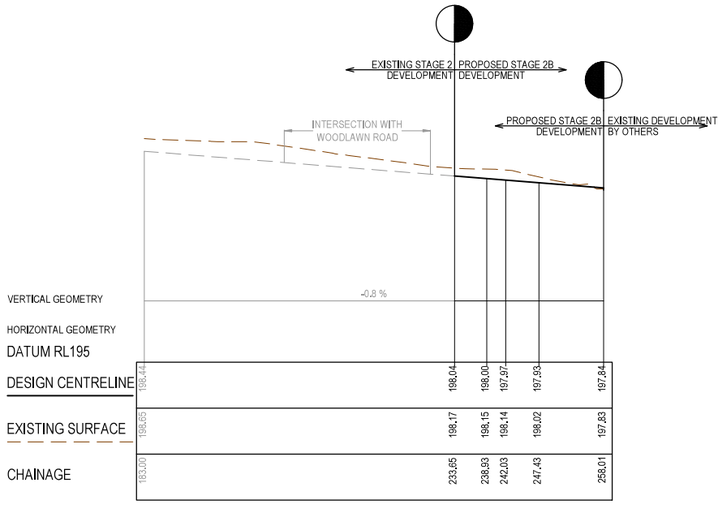
Wollert. Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Intersection Detail Plan

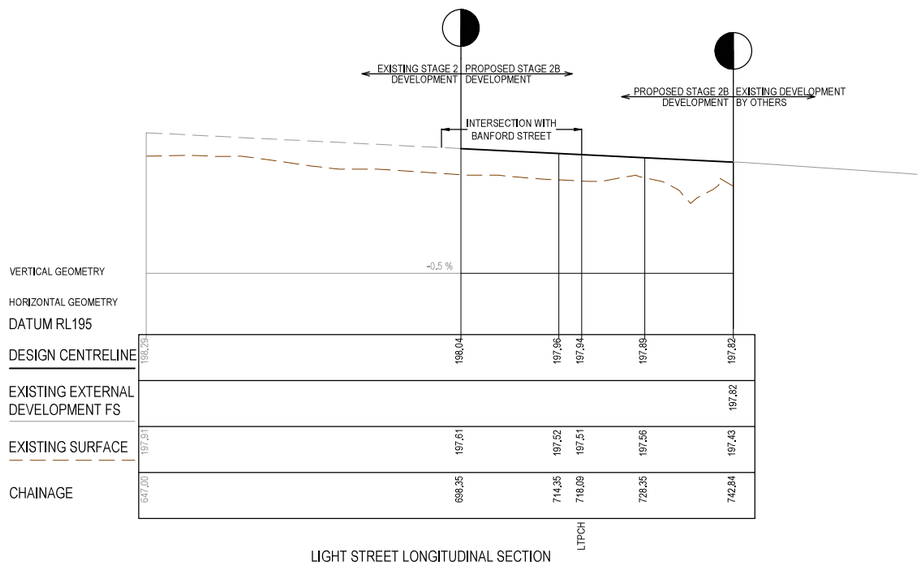
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-181	07 of 15	A

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-181.dwg PRINTED BY: KK16460 on 22/03/2024 at 01:42:10 PM

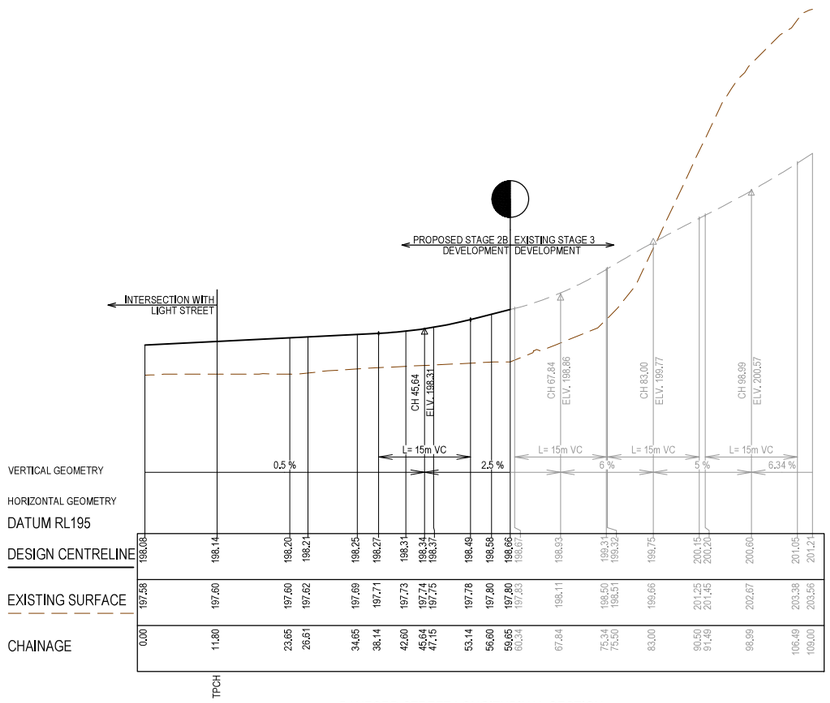
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SPECTRUM ROAD LONGITUDINAL SECTION



LIGHT STREET LONGITUDINAL SECTION



BANFORD STREET LONGITUDINAL SECTION

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
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0 0.5 1 2
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Wollert Rise

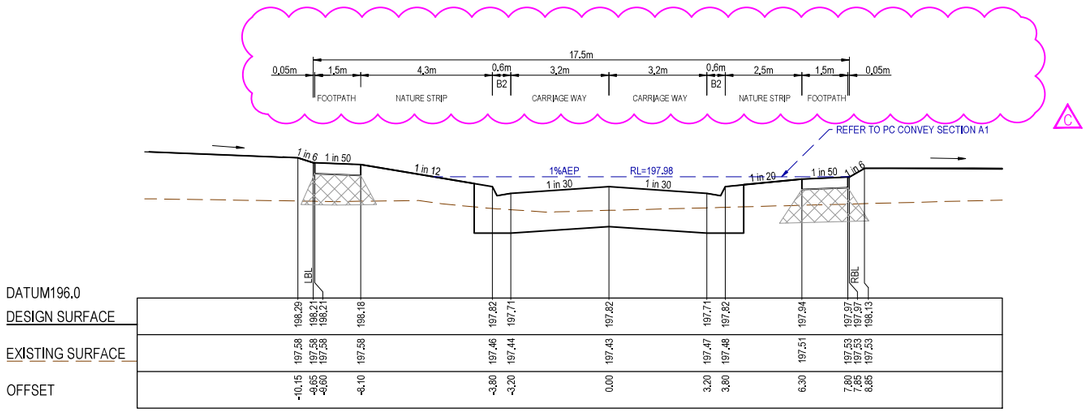
Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Longitudinal Sections

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-201	08 of 15	A

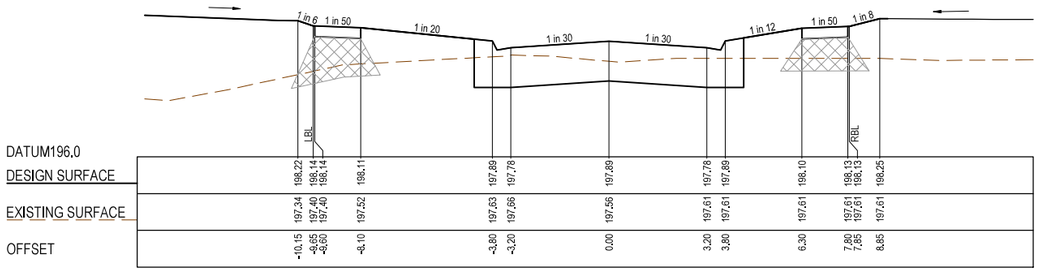
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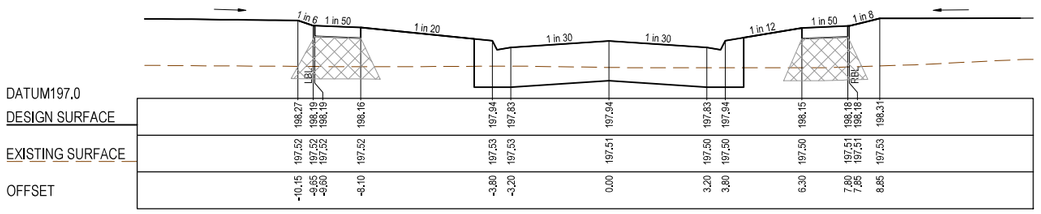
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



LIMIT OF WORK
CH 742.84

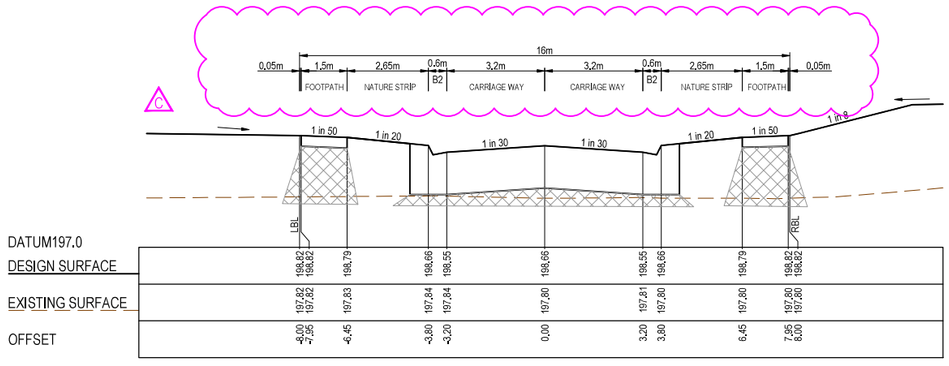


CH 728.35

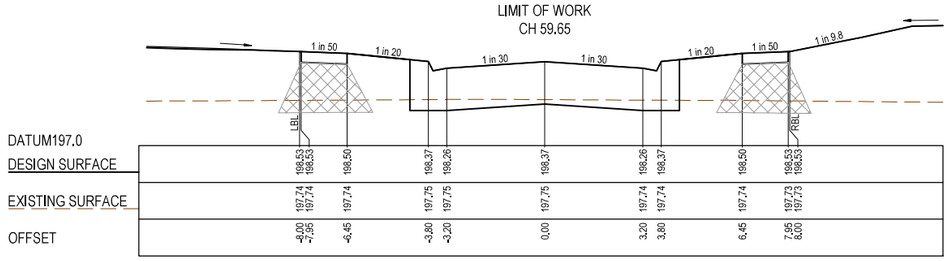


LTP CH 718.09

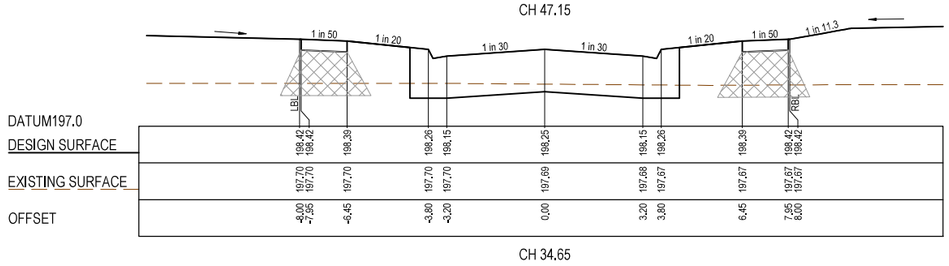
LIGHT STREET CROSS SECTIONS



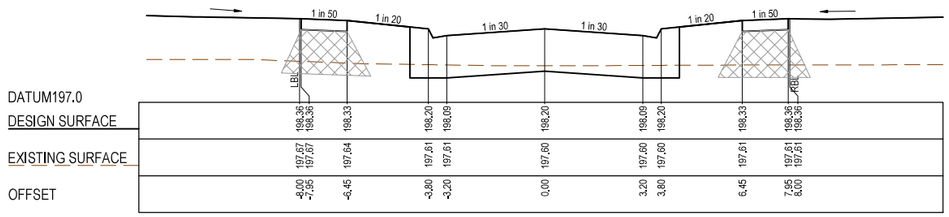
LIMIT OF WORK
CH 59.65



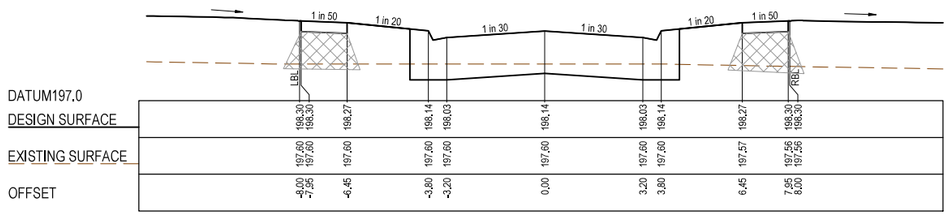
CH 47.15



CH 34.65



CH 23.65



TPCH 11.80

BANFORD STREET CROSS SECTIONS

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	20.03.24	Q100 INFO ADDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW
C	09.05.24	LABELS ADDED TO DIMENSIONS	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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PLAN OF SUB. NO.

PERMIT REF. NO. 717910

SUBJECT TO APPROVAL

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Scale H1:100, V1:50
SCALE AS SHOWN AT A1

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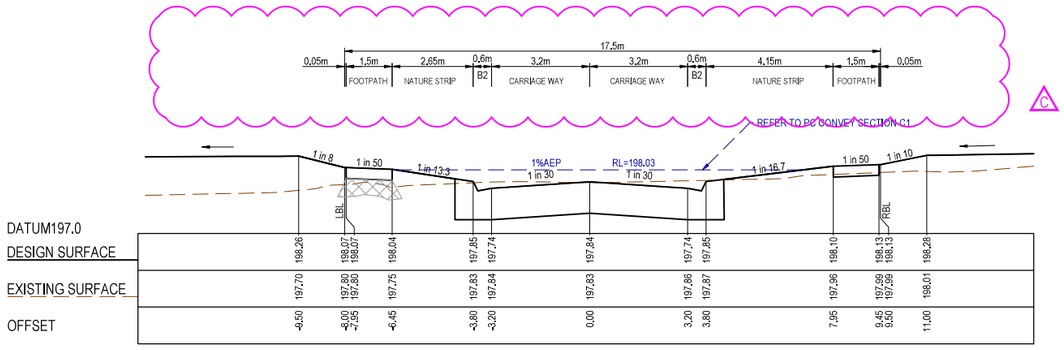
Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Cross Sections: Banford Street CH 11.80 - 59.65
Light Street CH 718.09 - 742.84

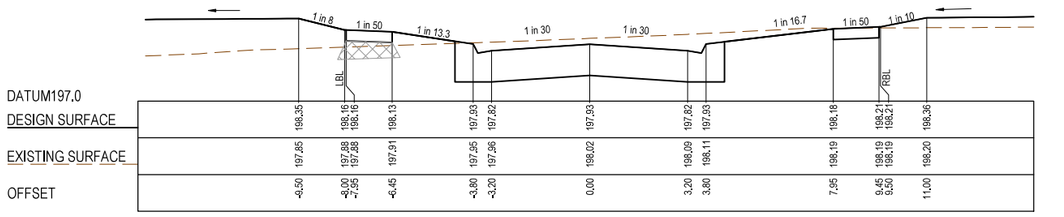
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-251	09 of 15	C

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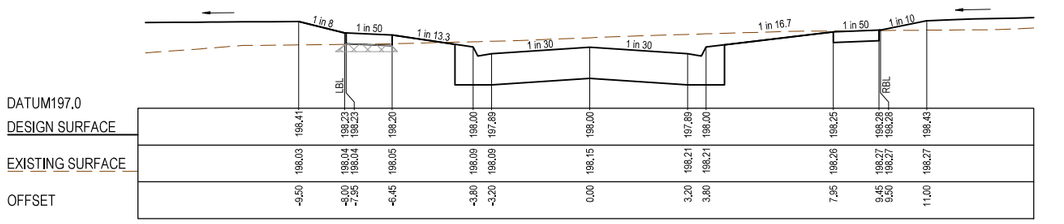
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



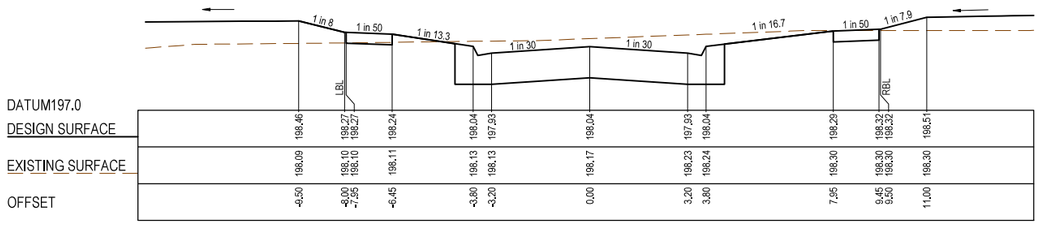
LIMIT OF WORK
CH 258.01



CH 247.43



CH 238.93



LIMIT OF WORK
CH 233.65

SPECTRUM ROAD CROSS SECTIONS

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	20.03.24	Q100 INFO ADDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW
C	09.05.24	LABELS ADDED TO DIMENSIONS	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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Wollert Rise

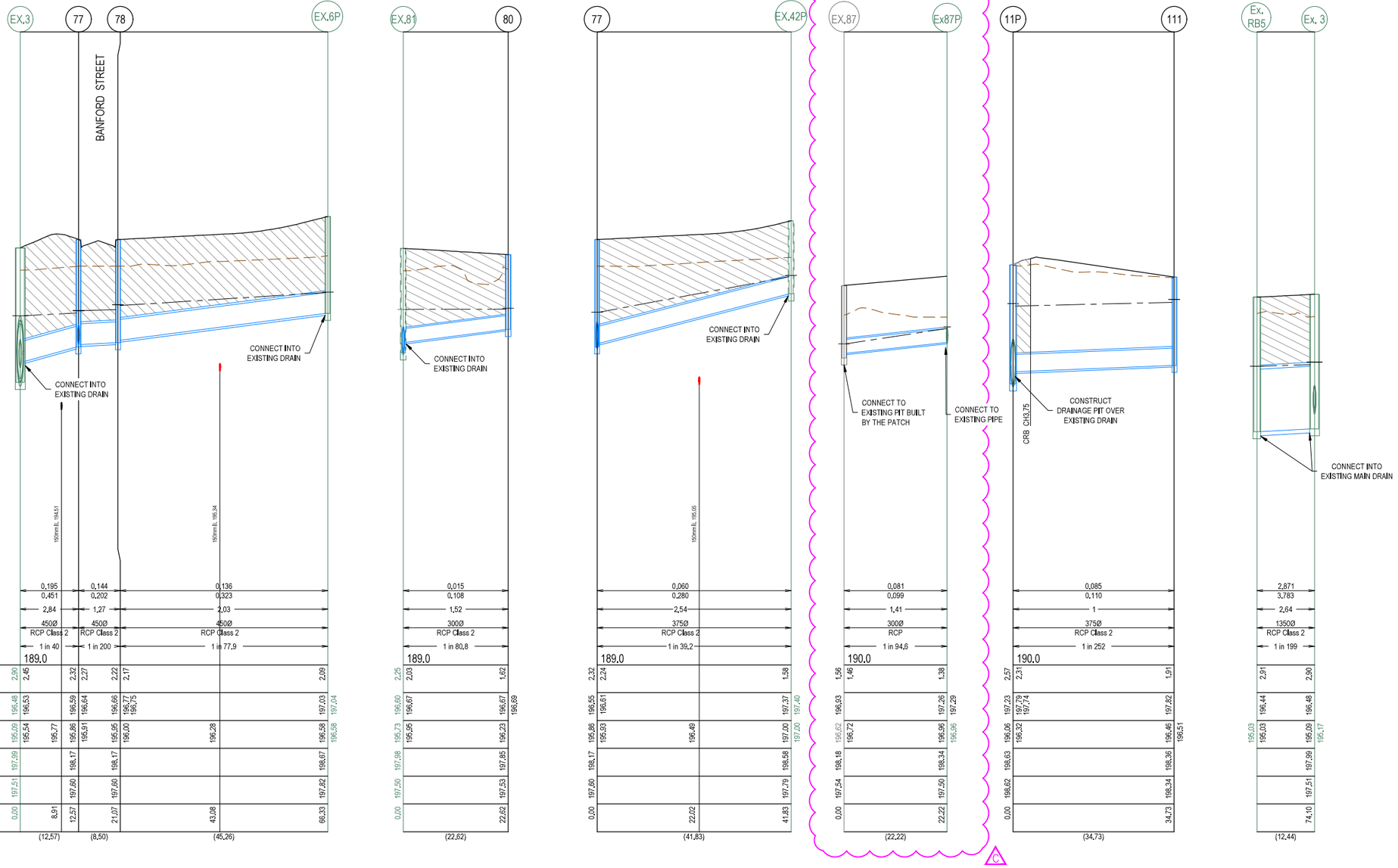
Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Cross Sections: Spectrum Road
CH 233.65 - 258.01

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-252	10 of 15	C

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-252.dwg PRINTED BY: KK16460 on 10/05/2024 at 09:57:57 AM

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CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE



CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	06.09.23	RCP CLASSES	K.KANG	K.KANG	M.ANGAY	N.HOLLOW
C	09.05.24	DRAINAGE LONG SECTION AMENDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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PLAN OF SUB. NO.
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Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Drainage Longitudinal Sections

MELWAYS REF.	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-301	11 of 15	C

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-301.dwg PRINTED BY: KK16460 on 10/05/2024 at 09:58:15 AM

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PIT SCHEDULE

PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
Ex.3	SIDE ENTRY PIT	1800	1800	450 1200 525	195.54 195.17 195.45	1350	195.09	197.99	2.90	EDCM 601 & VR SD1023	CONNECT TO EXISTING PIT. CONVERT PIT TO SINGLE SEP GRATED AND MATCH COVER TO KERB LEVEL
77	SIDE ENTRY PIT	750	900	450 375	195.91 195.93	450	195.86	198.17	2.32	EDCM 601 & 605	
78	SIDE ENTRY PIT	750	900	450	196.00	450	195.95	198.17	2.22	EDCM 601 & 605	
Ex.6P	JUNCTION PIT	750	900			450	196.58	198.67	2.09	EDCM 605	CONNECT TO EXISTING PIT. CONVERT PIT TO SINGLE SEP GRATED AND MATCH COVER TO KERB LEVEL
Ex.81	SIDE ENTRY PIT	750	900	300 450	195.95 195.80	525	195.73	197.98	2.26	EDCM 601 & 605	CONNECT TO EXISTING PIT.
80	SIDE ENTRY PIT	600	900			300	196.23	197.85	1.62	EDCM 601 & 605	
Ex.42P	JUNCTION PIT	600	900			375	197.00	198.58	1.58	EDCM 605	CONNECT TO EXISTING PIT. CONVERT PIT TO SINGLE SEP GRATED AND MATCH COVER TO KERB LEVEL
Ex.87	JUNCTION PIT	600	900	300	196.72	375	196.62	198.18	1.60	EDCM 605	BREAK INTO THE NORTHERN WALL AND CONNECT TO EXISTING PIT BUILT BY THE PATCH.
Ex.87P	ENDPIPE			300	196.96	300	196.86	198.34	1.382		CONNECT TO EXISTING ENDPIPE
11P	JUNCTION PIT	1200	900	375 900	196.32 196.06	900	196.06	198.63	2.57	EDCM 607	CONSTRUCT NEW PIT OVER EXISTING DRAIN. HAUNCHED TO 600x900 PIT COVER
111	JUNCTION PIT	600	900	300	196.51	375	196.46	198.36	1.91	EDCM 605	
Ex. RB5	JUNCTION PIT	1800	1350	1350	195.03	1350	195.03	197.93	2.91	EDCM 605	CONNECT TO EXISTING PIT.

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
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DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

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A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	09.05.24	PIT SCHEDULE AMENDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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PLAN OF SUB. NO.

PERMIT REF. NO. 717910

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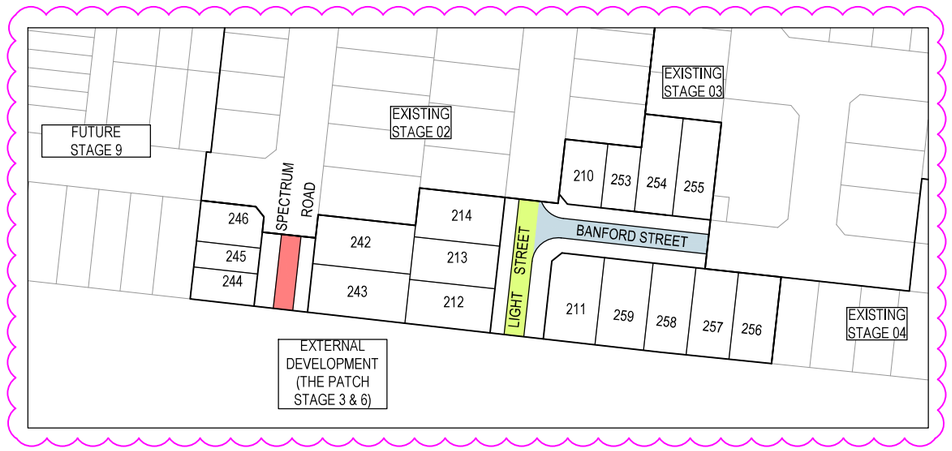
Wollert. Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Pit Schedule

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-351	12 of 15	B

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-351.dwg PRINTED BY: KK16460 on 10/05/2024 at 09:58:39 AM

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C

EXPANSIVE SUBGRADE

SPECTRUM ROAD PAVEMENT COMPOSITION

550mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	MATERIAL
PAVEMENT LAYER			
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE N ASPHALT
	INTERMEDIATE COURSE	-	-
	BASE COURSE	30	SIZE 10 TYPE N ASPHALT
	BITUMINOUS PRIME	10	PRIME & SAMI (S 18RF)
BASE COURSE	BASE	130	SIZE 20 VICROADS CLASS 2 FCR
SUBBASE COURSE	UPPER SUBBASE	200	SIZE 20 VICROADS CLASS 3 FCR
SUBGRADE IMPROVEMENT	CAPPING LAYER	150	VICROADS TYPE A CAPPING LAYER OR APPROVED ALTERNATIVE AS PER TABLE 3 (CBR => 10% SWELL <= 1,5% PERMEABILITY k < $1x10^{-9}$)
CONSTRUCTION LAYER	CAPPING LAYER	150	

LIGHT STREET PAVEMENT COMPOSITION

650mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	MATERIAL
PAVEMENT LAYER			
ASPHALT	WEARING COURSE	40	SIZE 10 TYPE N ASPHALT
	INTERMEDIATE COURSE	-	-
	BASE COURSE	40	SIZE 10 TYPE N ASPHALT
	BITUMINOUS PRIME	10	PRIME & SAMI (S 18RF)
BASE COURSE	BASE	110	SIZE 20 VICROADS CLASS 2 FCR
SUBBASE COURSE	UPPER SUBBASE	150	SIZE 20 VICROADS CLASS 3 FCR
	LOWER SUBBASE	150	SIZE 20 VICROADS CLASS 4 FCR
SUBBASE IMPROVEMENT	CAPPING LAYER	150	VICROADS TYPE A CAPPING LAYER OR APPROVED ALTERNATIVE AS PER TABLE 3 (CBR => 10% SWELL <= 1,5% PERMEABILITY k < $1x10^{-9}$)
CONSTRUCTION LAYER	CAPPING LAYER	150	

BANFORD STREET PAVEMENT COMPOSITION

550mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	MATERIAL
PAVEMENT LAYER			
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE N ASPHALT
	INTERMEDIATE COURSE	-	-
	BASE COURSE	30	SIZE 10 TYPE N ASPHALT
	BITUMINOUS PRIME	10	PRIME & SAMI (S 18RF)
BASE COURSE	BASE	130	SIZE 20 VICROADS CLASS 2 FCR
SUBBASE COURSE	UPPER SUBBASE	200	SIZE 20 VICROADS CLASS 3 FCR
SUBGRADE IMPROVEMENT	CAPPING LAYER	150	VICROADS TYPE A CAPPING LAYER OR APPROVED ALTERNATIVE AS PER TABLE 3 (CBR => 10% SWELL <= 1,5% PERMEABILITY k < $1x10^{-9}$)
CONSTRUCTION LAYER	CAPPING LAYER	150	

ROCK SUBGRADE

SPECTRUM ROAD PAVEMENT COMPOSITION

350mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	MATERIAL
PAVEMENT LAYER			
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE N ASPHALT
	INTERMEDIATE COURSE	-	-
	BASE COURSE	30	SIZE 10 TYPE N ASPHALT
	BITUMINOUS PRIME	10	PRIME & SAMI (S 18RF)
BASE COURSE	BASE	130	SIZE 20 VICROADS CLASS 2 FCR
SUBBASE COURSE	UPPER SUBBASE	-	-
BASALT BEDROCK SUBGRADE	LEVELLING LAYER	150	GRANULAR/CEMENTITIOUS FILL (CBR≥15%) OVERLYING CONTINUOUS BASALT BEDROCK

LIGHT STREET PAVEMENT COMPOSITION

510mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	MATERIAL
PAVEMENT LAYER			
ASPHALT	WEARING COURSE	40	SIZE 10 TYPE N ASPHALT
	INTERMEDIATE COURSE	-	-
	BASE COURSE	40	SIZE 10 TYPE N ASPHALT
	BITUMINOUS PRIME	10	PRIME & SAMI (S 18RF)
BASE COURSE	BASE	110	SIZE 20 VICROADS CLASS 2 FCR
SUBBASE COURSE	UPPER SUBBASE	160	SIZE 20 VICROADS CLASS 3 FCR
BASALT BEDROCK SUBGRADE	LEVELLING LAYER	150	GRANULAR/CEMENTITIOUS FILL (CBR≥15%) OVERLYING CONTINUOUS BASALT BEDROCK

BANFORD STREET PAVEMENT COMPOSITION

510mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	MATERIAL
PAVEMENT LAYER			
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE N ASPHALT
	INTERMEDIATE COURSE	-	-
	BASE COURSE	30	SIZE 10 TYPE N ASPHALT
	BITUMINOUS PRIME	10	PRIME & SAMI (S 18RF)
BASE COURSE	BASE	130	SIZE 20 VICROADS CLASS 2 FCR
SUBBASE COURSE	UPPER SUBBASE	160	SIZE 20 VICROADS CLASS 3 FCR
BASALT BEDROCK SUBGRADE	LEVELLING LAYER	150	GRANULAR/CEMENTITIOUS FILL (CBR≥15%) OVERLYING CONTINUOUS BASALT BEDROCK

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW
B	20.03.24	STAGE BOUNDARIES ADDED	K.KANG	K.KANG	T.MOTET	N.HOLLOW

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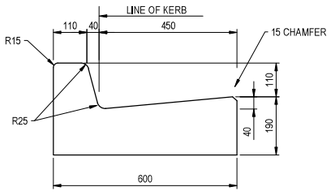
Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Pavement Details

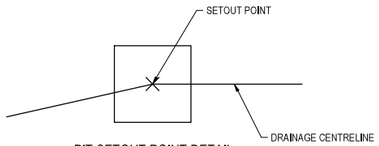
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-411	13 of 15	C

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-411.dwg PRINTED BY: KK16460 on 10/05/2024 at 09:59:01 AM

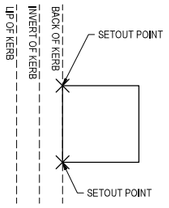
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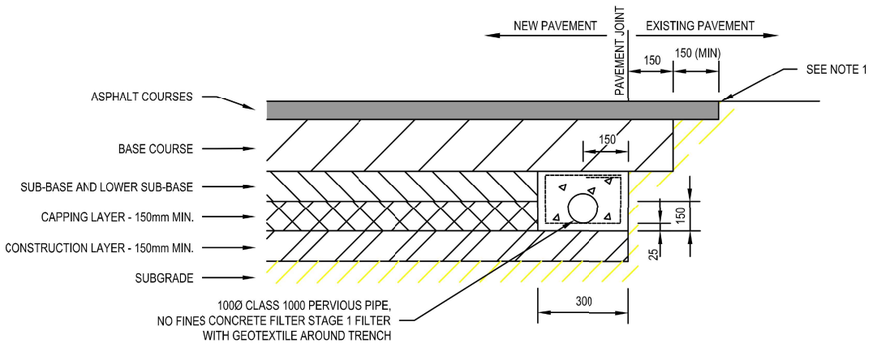
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EDCM



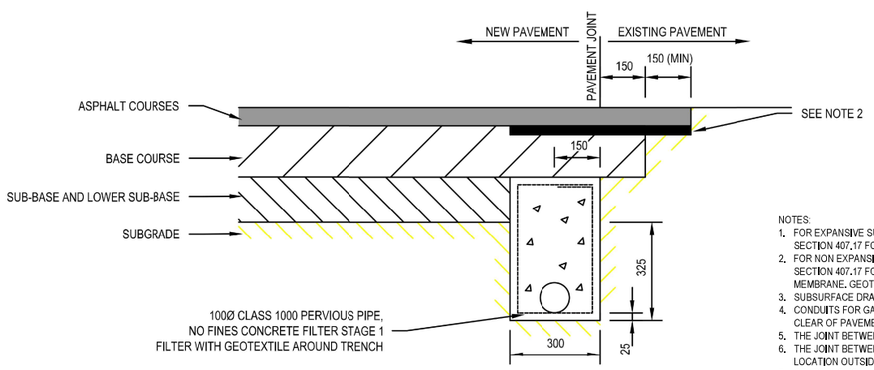
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NOT TO SCALE



KERB PIT SETOUT POINT DETAIL
NOT TO SCALE



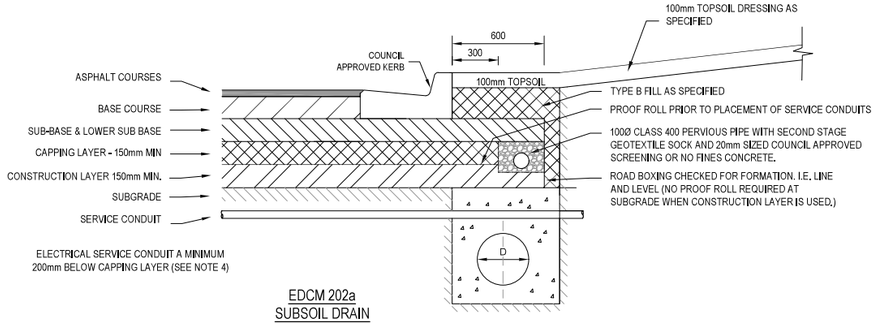
EXPANSIVE SUBGRADE
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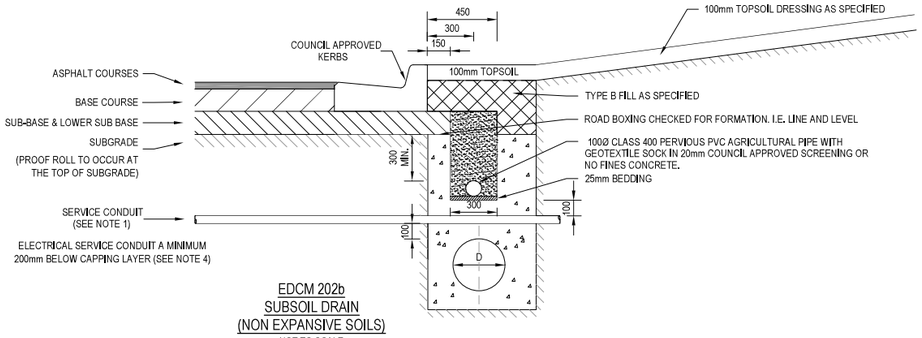
NON EXPANSIVE SUBGRADE
NOT TO SCALE

EDCM 201

NOTES:
1. FOR EXPANSIVE SUBGRADE, SAW CUT EXISTING ASPHALT. REFER TO SPECIFICATION SECTION 407.17 FOR JOINT DETAIL. APPLY PRIME AND SAMI TO EXISTING PAVEMENT.
2. FOR NON EXPANSIVE SUBGRADE, SAW CUT EXISTING ASPHALT. REFER TO SPECIFICATION SECTION 407.17 FOR JOINT DETAIL. PLACE 600mm MIN WIDE STRESS ABSORBING MEMBRANE. GEOTEXTILE TO BE LOCATED CENTRALLY OVER PAVEMENT JOINT.
3. SUBSURFACE DRAINS TO BE PROVIDED BEFORE THE CONSTRUCTION OF THE PAVEMENT.
4. CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN.
5. THE JOINT BETWEEN NEW AND OLD WEARING COURSE TO BE CRACK SEALED.
6. THE JOINT BETWEEN NEW AND OLD WEARING COURSE MUST BE CONSTRUCTED AT A LOCATION OUTSIDE THE WHEEL PATH ZONE.
7. CONSTRUCTION LAYERS AND CAPPING LAYER MATERIAL MUST HAVE THE FOLLOWING SPECIFICATIONS:
   - MIN. CBR=10%,
   - MAX. SWELL=1.5%,
   - MAX. PERMEABILITY=5x10-9 m/s



EDCM 202a
SUBSOIL DRAIN
(EXPANSIVE SOILS)
NOT TO SCALE



EDCM 202b
SUBSOIL DRAIN
(NON EXPANSIVE SOILS)
NOT TO SCALE

NOTES:
1. CONDUITS FOR GAS, WATER, SEWER AND TELECOM SERVICES TO BE LAID WITHIN THE SUBGRADE OR CONSTRUCTION LAYER WITH A MINIMUM 100mm COVER BELOW THE BOTTOM OF THE CAPPING LAYER. CONDUITS SHALL NOT BE PLACED WITHIN THE PAVEMENT NOR THE CAPPING LAYER.
2. SERVICE CONDUITS TO BE INSTALLED AFTER PLACEMENT OF THE CONSTRUCTION LAYER AT A GRADE OF 1 IN 100 FALLING TO THE SIDE OF THE PROPOSED UTILITY MAIN
3. SERVICE TRENCH BACKFILL TO BE 20mm CLASS 3 CR, RECYCLED CONCRETE OR COUNCIL APPROVED EQUIVALENT
4. FOR ELECTRICAL SERVICES, WHERE THE CONDUIT IS GREATER THAN 200mm BELOW THE CAPPING LAYER, THE MARKER TAPE MUST BE PLACED 150mm ABOVE THE CONDUIT OR PER THE ELECTRICAL AUTHORITY'S REQUIREMENTS
5. CONSTRUCTION LAYERS AND CAPPING LAYER MATERIAL MUST HAVE THE FOLLOWING SPECIFICATIONS:
   - MIN. CBR ≥ 10%, - MAX. SWELL=1.5%, - MAX. PERMEABILITY=5x10-9 m/s
6. ALL DIMENSIONS IN MILLIMETRES WHERE NOT SPECIFIED

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS900871Y
DEVELOPMENT ENGINEER
20/05/2024
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO.

PERMIT REF. NO. 717910

SUBJECT TO APPROVAL

SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
General Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-421	14 of 15	A

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoats Rd\2459E-02B\2459E-02B-421.dwg PRINTED BY: KK16460 on 22/03/2024 at 01:44:43 PM

DISCLAIMER: All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.

PHASE	DISCIPLINE CODE		POTENTIAL RISK (Construction, Operations, Maintenance)		RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED? YES / NO	RESIDUAL RISK LIKELIHOOD (0-5)	RESIDUAL RISK CONSEQUENCE (0-5)	RESIDUAL RISK RATING	RESIDUAL RISK OWNER
Road Furniture / Roadside Features													
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15	Constructor
Construction	RD	Roads	Culverts	Potential risk from culverts under construction and height / fall hazards	Contractor	Falling from a height	Temporary barriers to be provided	Temporary barrier provided in contract	N	2	5	10	Constructor
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5	Constructor
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4	Road Authority
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4	Road Authority
Operational	RF	Road Furniture	Headwalls	Potential vehicle conflict within clear zone	Road Authority	Increased potential for accidents	Establish adequate clear zone provision	Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in accordance with authority standard	N	2	4	8	Road Authority
Operational	RD	Roads	Culverts	Potential fall hazard during maintenance, by vechicles and pedestrians	Relevant Authority	Falling from a height	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	N	2	5	10	Constructor
Retaining Walls													
Construction	RW	Retaining Walls	Retaining Wall Alignment	Falling from height during construction or commissioning of walls and adjacent structures eg. sewer manholes	Contractor	Falling from a height	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Operational	RW	Retaining Walls	Retaining Wall Alignment	Lack of safe access/setback from road	Road/ Local Authority	Increased potential for accidents	Establish adequate and accessible clear zone provision. Provide guardrail where required	Wall located in suitable position during design process and approved by authority	N	1	1	1	Authority
Operational	RW	Retaining Walls	Retaining Wall Height	Potential for falling from height	Road/ Local Authority	Personal injury	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	5	5	Authority
Operational	RW	Retaining Walls	Retaining Wall Design	Potential for wall failure	Road/ Local Authority	Increased potential for accidents	Structural design in accordance with standards, geotechnical conditions, end use and good practise.	Refer to structural drawings and calculations	N	1	5	5	Authority
Drainage													
Operational	DR	Drainage	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6	Authority
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwalls/Headwalls	Potential for falling from height	Relevant Authority	Increased potential for accidents	Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards	Allow for fencing in Design Process	N	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwall/Headwall Outlets	Children playing in large pipes / watercourses and access for maintenance	Relevant Authority	Increased potential for accidents	Grate provided to authority standards	Design in accordance with authority and manufacturers standards	N	2	5	10	Authority
Maintenance	DR	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance, Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	N	2	5	10	Authority
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5	Authority
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6	
Sewer													
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Falling from height during construction or commissioning of adjacent sewer manholes	Contractor	Falling from a height	Provide temporary fencing until such time that permanent fencing is constructed	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	1	5	5	Authority
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	N	1	5	5	Authority
Maintenance	SE	Sewer	Pump Station Access	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2	4	8	Authority
Electricity													
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e,g.. pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Telstra													
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e,g.. pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Water													
Operational	WA	Water	Water Design	Location of assets within clear zones e,g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Gas													
Operational	GA	Gas	Gas Design	Location of assets within clear zones e,g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	1	1	1	Authority

CITY OF WHITTLESEA
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	06.06.23	ISSUED TO COUNCIL FOR APPROVAL	M.STACEY	K.KANG	M.ANGAY	N.HOLLOW

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PLAN OF SUB. NO.

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SUBJECT TO APPROVAL

SCALE AS SHOWN AT A1

SMEC
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© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

Wollert Rise

Wollert Rise - Stage 2B
Whittlesea City Council
Road and Drainage
Safety In Design

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
388 K4	2459E-02B-500	15 of 15	A

DWG PATH: V:_Vault\Projects_Urban\ENG\2459E-115 Bodycoatts Rd\2459E-02B\2459E-02B-500.dwg PRINTED BY: KK16460 on 22/03/2024 at 01:45:02 PM

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Appendix C

Site Photos

Figure 2: Stage 2B - Stripping Inspection



Figure 3: Stage 2B - Stripping Inspection



Figure 3: Stage 2B – Site photo



Figure 4: Stage 2B – Site photo



Figure 5: Stage 2B – Site photo



Figure 6: Stage 2B – Site photo



Figure 7: Stage 2B – Site photo



Figure 8: Stage 2B – Site photo



Figure 9: Stage 2B – Site photo



Figure 10: Stage 2B – Site photo



Figure 11: Stage 2B – Site photo



Figure 12: Stage 2B – Site photo



Figure 13: Stage 2B – Site photo



Figure 14: Stage 2B – Site photo



Appendix D
Site Visit Records

T/ 26 - 7 105

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow
PROJECT: Walker Rise 2B
PROJECT NO: 3155
DATE: 11/6/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
7:30 am/pm	/min	8:30 am/pm	1:00			ZCR2WA

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- 3 EXISTING PONDS TO BACKFILL USING EXISTING AND LOCALLY IMPORTED CLAY
- SEE PAGE 3 OF PLANS TO DETERMINE SWALE / BASIN ~~SEDIMENT PONDS~~ BACKFILL LOCATIONS
- SWALE TO CONTINUE DESLUDGING AND REMOVE EXISTING PIPES
- SOUTH BASIN TO BE FURTHER DESLUDGED, AND MORE ORGANICS REMOVED AS ADVISED
- NORTH BASIN ~~TO BE~~ STRIPPED OFF ALL TOPSOIL AND FINE FOR PLACEMENT

Weather Conditions: FINE

SITE PLANT OPERATIONAL	PHOTO LOG (Photos should be date imprinted)
- EXCAVATOR	SEE Photos taken

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

- ADVISED BY FOREMAN MORE STRIPPING AND DESLUDGING TO OCCUR AT SWALE AND SOUTH BASIN

Technician On-Site		Client Representative	
Signature		Signature	

26-7222

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Willow Constructors
PROJECT: Wollert Rise 2B
PROJECT NO: 3153
DATE: 12/6/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
7:00 am/pm	/min	16:00 am/pm	9:15			

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Swale desludged and Drainage Pipe removal, Trench for pipe
- Small area of water to be removed, Removal by placing dry material on resting water and letting it soak up. then removing it after
- Material being placed is onsite natural clay (Highly plastic) and locally imported clay. (Highly plastic) ; Containing oversize rocks
- Filling at 300mm thick · Type 3 Level 1 testing frequency.
- Fill at Swale and North basin

Weather Conditions: Fine

SITE PLANT OPERATIONAL

- Padfoot 12-tonne
- Excavator
- Dump truck
- water cart

PHOTO LOG (Photos should be date imprinted)

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
0	material test Pit/Bag	Swale
1	compaction	Refer to map
2	" "	Refer to map
3	" "	" "
4	" "	
5	" "	
6	" "	
7	" "	
8	" "	

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

- Dry Fill being imported on site, Requested Excavator and watercart to condition material on stockpile to achieve OMC

Technician On-Site	Luke.M	Client Representative	Khaled E
Signature		Signature	

26-7298

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Wiasbon | PROJECT NO: 3155

PROJECT: Wallard Rise 2B | DATE: 16/5/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
7 : 40 am/pm	/min	15 : 00 am/pm	8 :			2CR2WA

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

Filling of Swale and North Basin as Standard, Importing insitu clay fill and Mixing in onsite insitu

- Imported fill contains large aggregate, less than 20% of fill stockpile. Blam / Black high plastic gravelly clay

- Excavator mixing imported dry and wet material to achieve one

Weather Conditions: Overcast

SITE PLANT OPERATIONAL	PHOTO LOG (Photos should be date imprinted)
- Excavator	
- Padfoot	
- Watercart	

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Comp	Swale L5
2		Swale L5
3		North Basin L2
4		" " L2
5		" " L3
6		" " L3

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

Technician On-Site		Client Representative	
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow Infrastructure
PROJECT: SPECTRUM Road, Wollert Rise - Stage 2B [Level 1]
PROJECT NO P/~~3131~~ 3155.
DATE: 17/6/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8 :30 am/pm	/min	4 : 15 am/pm	:	46	1	1IDBRR

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

* Insitu material be placed and compacted at the Existing Swale drain on South Basin.
* Layer 1 was placed and compacted at 9.45am and 1 field density was obtained with 1 hilf sample.
* Layer 2 was placed and compacted at 10.45am and 1 field density with 1 hilf was obtained and sampled.
* Layer 3 was placed & compacted at around 11.30 am and 1 field density & hilf taken.
* Layer 4 was placed & compacted at 12.45, sample was taken with field density
* Layer 5 done at 1.30pm and layer 6 compacted at 3.30pm
* Area was then cleaned and sorted out

Weather Conditions: Cloudy, 16°C

SITE PLANT OPERATIONAL
* Ultic 19 for communication

PHOTO LOG (Photos should be date imprinted)
* Photos been taken for each layer compacted with date & time imprinted

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Field density & hilf	South Basin layer 1
2	"	South Basin Layer 2
3	"	South Basin Layer 3
4	"	South Basin Layer 4
5	"	" Layer 5
6	"	" Layer 6

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations
* Advised ~~client~~ received each layer to be tested.

Technician On-Site	Sifat Tawhid	Client Representative	Khaled E
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow Infrastructure
PROJECT: SPECTRUM Road, Wollert Rise - Stage 2B [Level 1]
PROJECT NO P/~~3131~~ 3155.
DATE: 17/6/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8 :30 am/pm	/min	4 : 15 am/pm	:	46	1	1IDBRR

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

* Insitu material be placed and compacted at the Existing Swale drain on South Basin.
* Layer 1 was placed and compacted at 9.45am and 1 field density was obtained with 1 hilf sample.
* Layer 2 was placed and compacted at 10.45am and 1 field density with 1 hilf was obtained and sampled.
* Layer 3 was placed & compacted at around 11.30 am and 1 field density & hilf taken.
* Layer 4 was placed & compacted at 12.45, sample was taken with field density
* Layer 5 done at 1.30pm and layer 6 compacted at 3.30pm
* Area was then cleaned and sorted out

Weather Conditions: Cloudy, 16°C

SITE PLANT OPERATIONAL
* Ultic 19 for communication

PHOTO LOG (Photos should be date imprinted)
* Photos been taken for each layer compacted with date & time imprinted

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Field density & hilf	South Basin layer 1
2	"	South Basin Layer 2
3	"	South Basin Layer 3
4	"	South Basin Layer 4
5	"	" Layer 5
6	"	" Layer 6

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations
* Advised ~~client~~ received each layer to be tested.

Technician On-Site	Sifat Tawhid	Client Representative	Khaled E
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa | Construction Sciences

CLIENT: Winslow | PROJECT NO

PROJECT: Wollert Level 1 | DATE: 19.06.26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
7:30 am/pm	~~#~~ /min	15:30 am/pm	8:00			2AIS 2CE

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

~~Arrived~~ Works begin for day, continuing from previous day. Operators plan is to extend each layer in the South Basin at 300mm Layers, requiring 2 compaction tests on each Layer. Pumping of pooled water continues with plans to remove effected material once drained. Water pool is completely drained and material is being removed. Pool of water drained, ~~the~~ effected material (over wet) is being mixed with dry fill and is being removed. Works in 5th Basin have finished for the day. Plant has begun preparing for placement on the north basin.

Weather Conditions: fine, Overcast

SITE PLANT OPERATIONAL	PHOTO LOG (Photos should be date imprinted)
Excavator Padfoot roller Water truck	

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Onsite, compacted	RTM 1, Layer 2
2	Onsite, compacted	RTM 2, Layer 3
3	Onsite, compacted	~~RTM~~ RTM 3, Layer 5
4	Onsite, compacted	RTM 4, Layer 4
5	Onsite, compacted	RTM 5, Layer 4

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

* Start of day meeting completed

Technician On-Site	Trevor Augustin	Client Representative	
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow Infrastructure
PROJECT: Wollert Rise - STAGE 2B
PROJECT NO P/3155
DATE: 22/06/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8 : 45 am/pm	/min	16 : 00 am/pm	:	46	1	2AGIEE

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Material Insitu Clay is being placed on the south basin with 300mm each layers
- material brought in and dumped on stockpile for back fill work.
- Layer 7 compacted and levelled at 11.30 am and test carried out
- Layer 8 compacted and levelled at 14.00 and ~~tes~~ compaction test completed
- Layer 2 compacted and levelled at 14.45 and compaction test completed.
- layer 9 East side of Sothern Basin to be conditioned and placed.

Weather Conditions: Cloudy, 8°C @ 0845hrs

SITE PLANT OPERATIONAL
UHF19

PHOTO LOG (Photos should be date imprinted)
Photos are taken with date & time imprinted

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Field density	South basin layer 7
2	Field density	south basin layer 8
3	Field density	south basin layer 2

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations
Each layer to be tested

Technician On-Site Signature	Sifat Tawhid	Client Representative Signature	KIM LEE

T/26-7667

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow
PROJECT: Wollert Rise 2B
PROJECT NO: 3155
DATE: 23/12/25

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8:45 am/pm	/min	15:30 am/pm	:		1	2CRZWA

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Works occurring in South Basin, Compaction on Layer 9 of East of Basin and layer 3 of centre of Basin
- Local fill imported to site, High Plastic, Brown/Black clay consisting of moderate aggregates
- Layer 1 on centre-down on Basin, Excavator mixing wet material with dry material on site to create layers
- Layer 10 on Eastern pad on South Basin to be placed and conditioned.

Weather Conditions: Fine

SITE PLANT OPERATIONAL

- Excavator
- Padfoot
- water cart
- Tandem and Roller

PHOTO LOG (Photos should be date imprinted)

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Compaction	Layer 9 South Basin
2	"	Layer 1 First layer middle of Basin
3	"	Layer 2 Second layer middle of Basin

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

- Layer to dried back enough moisture on layer, watercart to spray and excavator to mix wet layer

Technician On-Site	Luke Mizzi	Client Representative	KHALED
Signature		Signature	

ITE VISIT RECORD - EARTHWORKS

kiwa | Construction Sciences

CLIENT: Winstan
PROJECT: Wollert Site 2B
PROJECT NO
DATE: 24/6/2026

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
08:00 am/pm	/min	16:00 am/pm	8:00			2AG 1EE

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

Works continuing in South basin, Compaction testing to be completed on each 300mm Layer being placed of onsite, imported material. Testing is continuing from layer 10, where moisture was added from previous day. Operator is mixing dry soil, Layers join onto North basins. Placement on hold as operator removes wet soil, placement continues in South basin.

Weather Conditions: Overcast

SITE PLANT OPERATIONAL

Excavator, Padfoot, Trucks (Tandem), Water truck.

PHOTO LOG (Photos should be date imprinted)

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Onsite, imported	RTM 1, Layer 10
2	Onsite, imported	RTM 2, Layer 10
3	Onsite, imported	RTM 3, Layer 2

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

- Meeting onsite, operator advised to test layer 10 after moisture added from previous day.
- Wet Soil has been instructed to be removed

Technician On-Site	Fraser A	Client Representative	
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa | Construction Sciences

CLIENT: Winslow
PROJECT: Wollert Rise 2B
PROJECT NO 3155
DATE: 25/6/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
06 :00 am/~~pm~~	/min	14 :45 am/~~pm~~	6 :45			2AG 1EE

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

Placement in South basin and north basin continues. in 300 mm layers. Onsite, imported material being compacted by a padfoot roller is in use. Placement in South basin is upto Layer 12, with plans to extend previous layers into the Swale, mixing imported soil with wet Material onsite.

Weather Conditions: Overcast

SITE PLANT OPERATIONAL	PHOTO LOG (Photos should be date imprinted)
Excavator	
Padfoot	
Trucks	
Water truck	

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Onsite, imported	RTM 1, Layer 12
2	" "	RTM 2, Layer 12
3	" "	RTM 3, Layer 12

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

* Meeting with operator, discussing plan for todays works
* Change in operators, continuing as normal

Technician On-Site	Fraser. A	Client Representative	
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa | Construction Sciences

CLIENT: Winslow
PROJECT: Wollert Rise 2B
PROJECT NO:
DATE: 26/6/2026

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8 :00 am/pm	/min	15 : 30 am/pm	7 :00			2CE 2AS

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

Works continue in South basin, using imported material placed in 300mm layers compacted with a padfoot roller conditioned with a water truck. The days plan is to extend layer 1 further towards the Swale. Layers to swale extend as planned.

Weather Conditions: Overcast, fine

SITE PLANT OPERATIONAL

Excavator, padfoot, trucks, water truck

PHOTO LOG (Photos should be date imprinted)

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Onsite, Imported	RTM 1, Layer 2
2	Onsite, Imported	RTM 2, Layer 2
3	Onsite, Imported	RTM 3, Layer 13

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

Meeting with operator, discussed days plan.

Technician On-Site	Fraser	Client Representative	
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow Infrastructure
PROJECT: Wollert Rise - Stage 2B
PROJECT NO P3155
DATE: 29/6/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8 :30 am/pm	/min	4 :00 am/pm	~~4~~	46	1	1PH 32I

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Backfilling work going on south basin west side
- Insitu clay material used for backfill and compacted on 300mm per layer
- material imported and dumped on stockpile, then was sieved and prepared for backfill
- Layer 1 material placed, levelled and compacted on south basin west side around 12-45 pm
- Field density test ~~carry~~ carried out at 1.30 pm
- ~~a~~ 2Y field density test carried out at 3.45 pm.

Weather Conditions: Cloudy, 17°C with slight rain

SITE PLANT OPERATIONAL
UHF 19 for site communication

PHOTO LOG (Photos should be date imprinted)
photos taken and logged with date and time imprinted.

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Field density	south basin west side (refer map)
2	Field density	"
3	Field density	"

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

Technician On-Site Signature	Sifat Tayshid	Client Representative Signature	Khaled C

26-83PZ

SITE VISIT RECORD - EARTHWORKS

kiwa | Construction Sciences

CLIENT: Wallace Corp

PROJECT: Wiroa

PROJECT NO: 6/7/26

DATE: 3/55

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
10:[illegible] am/pm	/min	15:3[illegible] am/pm	:			

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Importation of clay insitu filling in South Basin
  - Dark Brown/Black high plastic clay.

To be Focusing on Layer 4. and onwards

- Layer 5 completed and tested in South Basin

Weather Conditions: Fine.

SITE PLANT OPERATIONAL

- Padfoot Roller
- excavator
- Inderscad

PHOTO LOG (Photos should be date imprinted)

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1/2	Comp LV	RTM

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

- Requested to top up moisture before placement

Technician On-Site Signature		Client Representative Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow Infrastructure
PROJECT: Wollert Rise - Stage 2B
PROJECT NO: P/3155
DATE: 7/7/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8 :15 (am)/pm	/min	3 :30 am/(pm)	:	46	1	450 XSR

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Backfill works going on at the south basin, west side, near the drain. Material levelled and then compacted at optimum moisture on visual.
- Layer is tested and sample have taken
- More material brought in and dumped on stockpile. Material then sieved and levelled for compaction. Material then compacted.
- All layer compacted on 300 mm depth.

Weather Conditions: 4°C, Cloudy @ 8:45 am

SITE PLANT OPERATIONAL
UHF 19

PHOTO LOG (Photos should be date imprinted)
Photos taken with date and time imprinted

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Field density	south basin - west side
2	Field density	south basin - south west side
3	Field density	south basin - west side

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

Technician On-Site	Sifat Touhid	Client Representative	AARON.C
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow Infrastructure
PROJECT: Wollert Rise - Stage 2B
PROJECT NO: P/3155
DATE: 08/07/2026

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
8 :00 am/pm	/min	: am/pm	3 :48	46	1	HOV YSR

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Layer 5 ~~compacted~~ levelled and compacted and tested south basin, south west side
- Insitu material imported and dumped on stockpile
- Material used was at optimum on visual,
- Material was sieved, levelled and then prepared for compaction
- Layer ~~6~~ 7 levelled and compacted on south basin - north west side
- Two layers levelled and compacted on south basin - west side
- All layers compacted on 300 mm depth
- Layer 7 was levelled and compacted.
- More material was brought in dan and dumped on stockpile for next day work

Weather Conditions: Cloudy, 6°C - 13°C, Sunny after 12.00pm

SITE PLANT OPERATIONAL
UHF 19

PHOTO LOG (Photos should be date imprinted)
Photos taken with date and time imprinted.

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Field density	south basin - south west side
2	Field density	"
3	Field density	"

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

Technician On-Site	Sifat Tourmal	Client Representative	ARROW
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa | Construction Sciences

CLIENT: WINSLOW | PROJECT NO: 3155

PROJECT: FRASER RISE - STAGE 2B | DATE: 9/7/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
9:30 am/pm	/min	14:00 am/pm	4.5			1PH321

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

FILL WORKS RESUMED FOR STAGE 2B SOUTH PAD.

MULTIPLE LAYERS WERE PLACED ON THE EXISTING PAD.

FILL MATERIAL IS SOURCED FROM ONSITE CUT SECTIONS. MATERIAL IS GREY-BROWN GRAVELLY CLAY WITH MEDIUM TO HIGH PLASTICITY RANGE.

MATERIAL HAS BEEN MOISTURE CONDITIONED ONSITE & COMPACTED USING A PAD FOOT ROLLER.

COMPACTION TESTS WERE CARRIED OUT ACCORDINGLY.

Weather Conditions: FAIR

SITE PLANT OPERATIONAL	PHOTO LOG (Photos should be date imprinted)
PAD FOOT	
1x EXCAVATOR	
WATER CART	
DUMP TRUCKS	

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	COMPACTION	RTM
2	"	RTM
3	"	RTM

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

Technician On-Site	HARISHAN	Client Representative	PAT
Signature		Signature	

SITE VISIT RECORD - EARTHWORKS

kiwa Construction Sciences

CLIENT: Winslow Infrastructure
PROJECT: Wollert Rise - Stage 2B
PROJECT NO: P13155
DATE: 20/07/26

Time On-Site	Break Time	Time Off-Site	Hrs worked	Km's	Trips	Vehicle Rego
9 :45 am/pm	/min	1 :15 am/pm	:	46	1	400 XSR

Description of works in progress (EARTHWORKS/PAVEMENT /STRIPPING PROGRESS including approx volumes)

- Insitu Brown Gravelly Clay used for earthworks, optimum on visual
- Material compacted for earthwork at 300 mm depth
- Work going on at south basin - west side and near light street
- ~~XXX~~ 3 lots of compaction test have been carried out

Weather Conditions: Sunny, 8°C at 10.00 am

SITE PLANT OPERATIONAL

UHF 19 Dump Truck
Pad - foot roller
Excavator
Water - Spray truck

PHOTO LOG (Photos should be date imprinted)

Photos taken with date and time imprinted.

MATERIALS CLASSIFICATION / RELATIVE COMPACTION FIELD TESTING

Test No.	Type	Sampling Location
1	Field density	South basin - west side, and light street
2	Field density	"
3	Field density	"

FURTHER REMARKS: Instructions/Advice - (received or given). Meetings/Conversations

Technician On-Site	Sifat Tawhid	Client Representative	Rafi. S
Signature		Signature	

Locations across Australia and New Zealand

QLD
Airlie
Beenleigh
Brisbane (Albion)
Brisbane (Brendale)
Brisbane (Kingston)
Cairns
Childers
Emerald
Gold Coast
Mackay
Moranbah
Petrie
Rockhampton
Sunshine Coast
Toowoomba
Townsville

NSW
Ballina
Coffs Harbour
Dubbo
Marulan (Lynwood)
Newcastle
Port Macquarie
Sydney (Glendenning)
Sydney (Kingsgrove)
Wollongong

VIC
Ararat
Bendigo
Echuca
Melbourne (Chadstone)
Melbourne (Oaklands Junction)
Melbourne (Sunshine West)
Traralgon

WA
Bunbury
Gosnells
Newman
Perth
Port Hedland

SA
Adelaide
Whyalla

NT
Darwin
Katherine

ACT
Canberra

TAS
Hobart

NZ
Wellington
Auckland
Tauranga

Ph 1300 165 769 E info@constructionsciences.net W constructionsciences.net

Construction Sciences
a kiwa company