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Suite 604, Level 6, 10 Help Street, Chatswood NSW 2067
P (02) 9411 5660 | M [redacted] | W ttpa.com.au | E [redacted]

Date: 04 October 2023
Ref: 23154

Adam Josifov
Cadet
ADCO Construct
E: [redacted]

Dear Adam,

The Forest High School
Allambie Road, Allambie Heights
Assessment Letter

Transport and Traffic Planning Associates' TTPA' has reviewed the plans for the approved relocation and construction of Forest High School at Allambie Road, Allambie Heights. This assessment has been prepared in satisfaction of Consent Condition B32 as part of the Construction Certificate documentation.

Plans Referred to:

- The approved architectural plan is provided in Appendix A
- The swept path assessment is attached in Appendix B

Approved Development:

The approved development involves the construction of a new school featuring the following elements:

- 73-GLS facility capable of accommodating 1,460 student enrolments.
- core facilities characteristic of a Stream 9 High School
- a new synthetic sports field

Two vehicle access points will be provided at the western boundary for the main new car park containing 121 spaces, including 4 accessible spaces with an additional smaller loading bay and 2 accessible spaces provided at the Allambie Road frontage.

TTPA Assessment:

My assessment has regard for the following design principles:

- AS2890.1 – 2004 Parking Facilities Part 1: Off-Street Car Parking
- AS2890.2 – 2018 Parking Facilities Part 2: Off-Street Commercial Vehicle Facilities
- AS2890.6 – 2022 Parking Facilities Part 6: Off-Street Parking for People with Disabilities

The proposed parking areas and driveways for 187 Allambie Road, Allambie Heights, comply with the relevant Australian Standards whereby:

- Driveway and parking area grades do not exceed the maximum grade
- The 7.3m and 7m wide driveways complies with the minimum width of 3.0m
- The two proposed driveway location sight triangles are not obstructed on the property boundary for pedestrian safety
- Aisle widths are in excess of the 5.8m minimum in satisfaction with the relevant standards
- Parking space dimensions comply with the 2.6m x 5.4m minimum
- The accessible space and associated shared area comply with the minimum dimensions
- The loading areas provide sufficient manoeuvring space for the anticipated vehicles

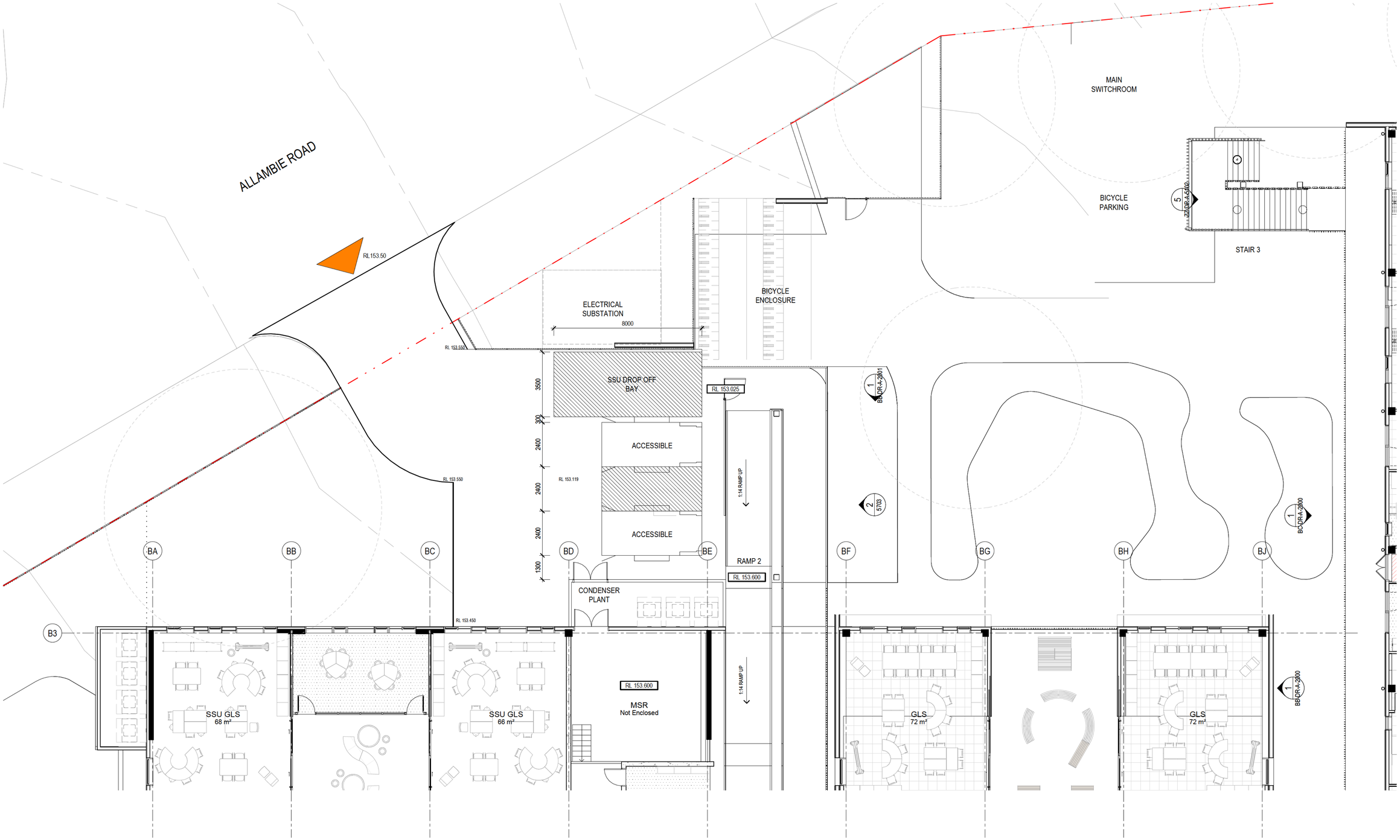
The proposed parking areas provide sufficient manoeuvring space for forward ingress and egress movements. Vehicle swept path analysis has been undertaken and successfully demonstrated vehicles manoeuvring safely in and out of the car spaces using an 85th percentile vehicle, a 6.4m Small Rigid Vehicle, and a 10.8m Refuse Vehicle (refer to Appendix B).

It is my assessment that the car parking and driveway dimensions comply with the relevant AS2890 criteria and the councils' conditions.

I trust the above provides the information you require. Should you have any questions or require further information, please do not hesitate to contact me at (02) 9411 5660.

Lachlan Ellson BE(Civil)
Director
Transport and Traffic Planning Associates

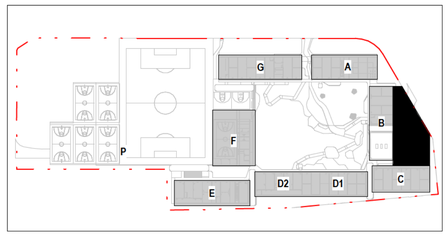
Appendix A
Development Plans



Nominated Architect
Ray Brown, NSWARB 6359

Do not scale drawings. Verify all dimensions on site

issue	amendment	date
	FOR INFORMATION ONLY	05/09/2023
	FOR INFORMATION ONLY	08/09/2023



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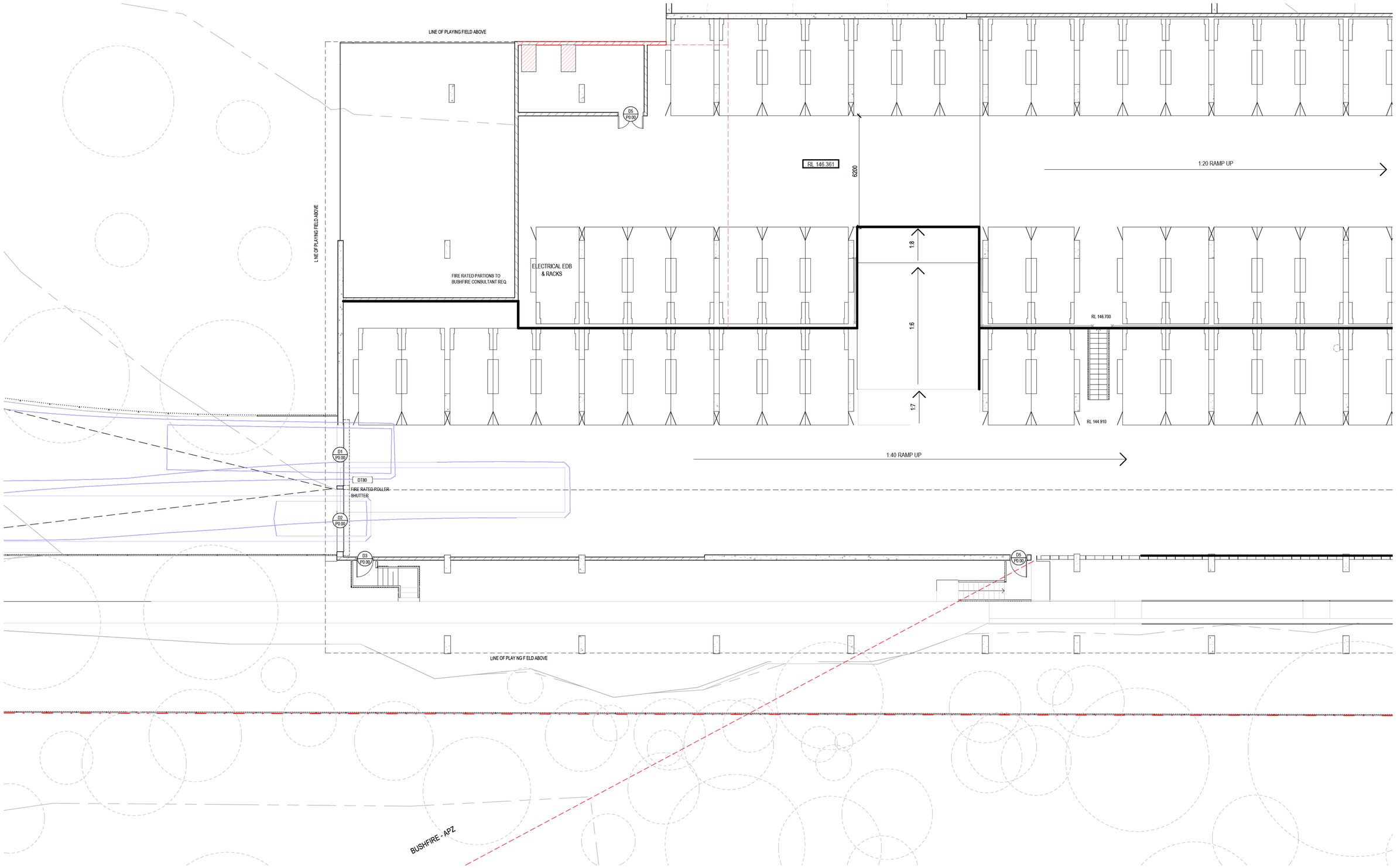
sydney@architectus.com.au
ABN 90 131 245 684

checked	SW	scale	1 : 100@A1
drawn	IT ARB SL	project no	220627

project
THE FOREST HIGH SCHOOL

drawing
Parking - GA - SSU Drop-off - Upper Ground

drawing no. | issue
TFHS-ARC-PA-DR-A-1002



Nominated Architect
Ray Brown, NSWARB 6359

Do not scale drawings. Verify all dimensions on site

issue	amendment	date
	FOR INFORMATION ONLY	05/09/2023
	FOR INFORMATION ONLY	08/09/2023
A	50% DESIGN DEVELOPMENT DRAFT	08/09/2023
B	50% DESIGN DEVELOPMENT	15/09/2023
	FOR INFORMATION ONLY	03/10/2023

FLOOR FINISH TYPES

- CP01- CARPET F NISH
- CP02 - CUC CARPET - SOUND IMPACT ABSORPTION
- CF02 - CC STEEL TROWELLED FINISHED CONCRETE
- PV01 - GENERAL PAVING
- RS01 - V NYL SHEET FLOORING (REFER TO BASE PALETTE)
- RS02 - V NYL SHEET FLOORING (REFER TO IDENTITY PALETTE)
- RS03 - LINOLEUM SHEET FLOOR NG
- TL01 - CERAMIC T LES
- TF01 - SPRUNG TIMBER FLOOR

WALL LINING TYPES

FOR WALL LINING EXTENT, REFER TO 7000 SER ES - ROOM LAYOUT SHEET

- WALL LINING 01
- WALL LINING 01a
- WALL LINING 01b
- WALL LINING 01c
- WALL LINING 02
- WALL LINING 02a
- WALL LINING 03
- WALL LINING 03a
- WALL LINING 04
- WALL LINING 04a
- WALL LINING 05
- WALL LINING 06
- WALL LINING 07
- WALL LINING 08

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ABN 90 131 245 684

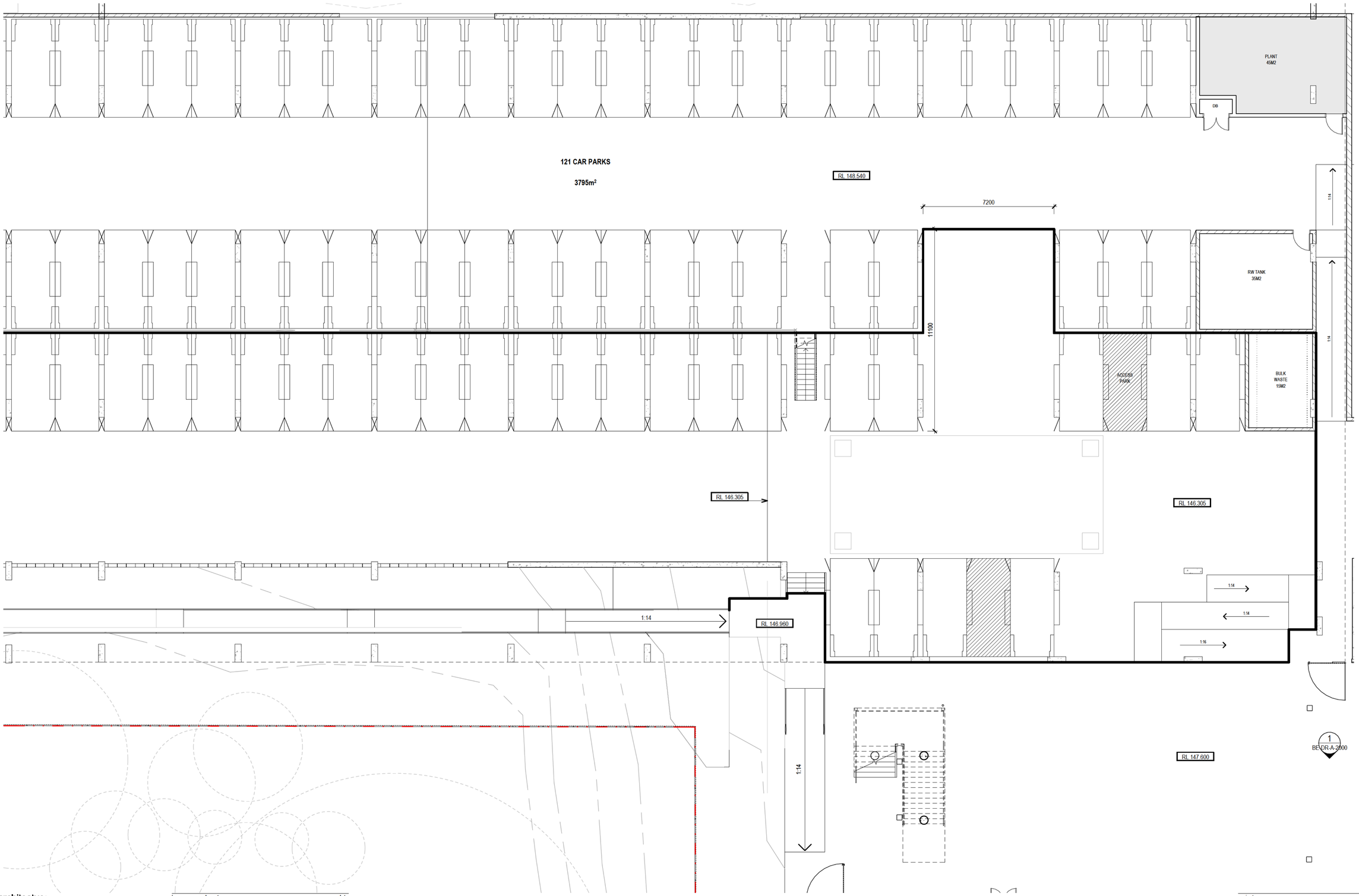
checked	SW	scale	1 : 100@A1
drawn	IT JL RW KG	project no	220627

project
THE FOREST HIGH SCHOOL

drawing
Parking - GA - Sheet 1

drawing no. **TFHS-ARC-PA-DR-A-1000**

issue **B**



issue	amendment	date
	FOR INFORMATION ONLY	08/09/2023
A	50% DESIGN DEVELOPMENT DRAFT	08/09/2023
B	50% DESIGN DEVELOPMENT	15/09/2023
	FOR INFORMATION ONLY	03/10/2023

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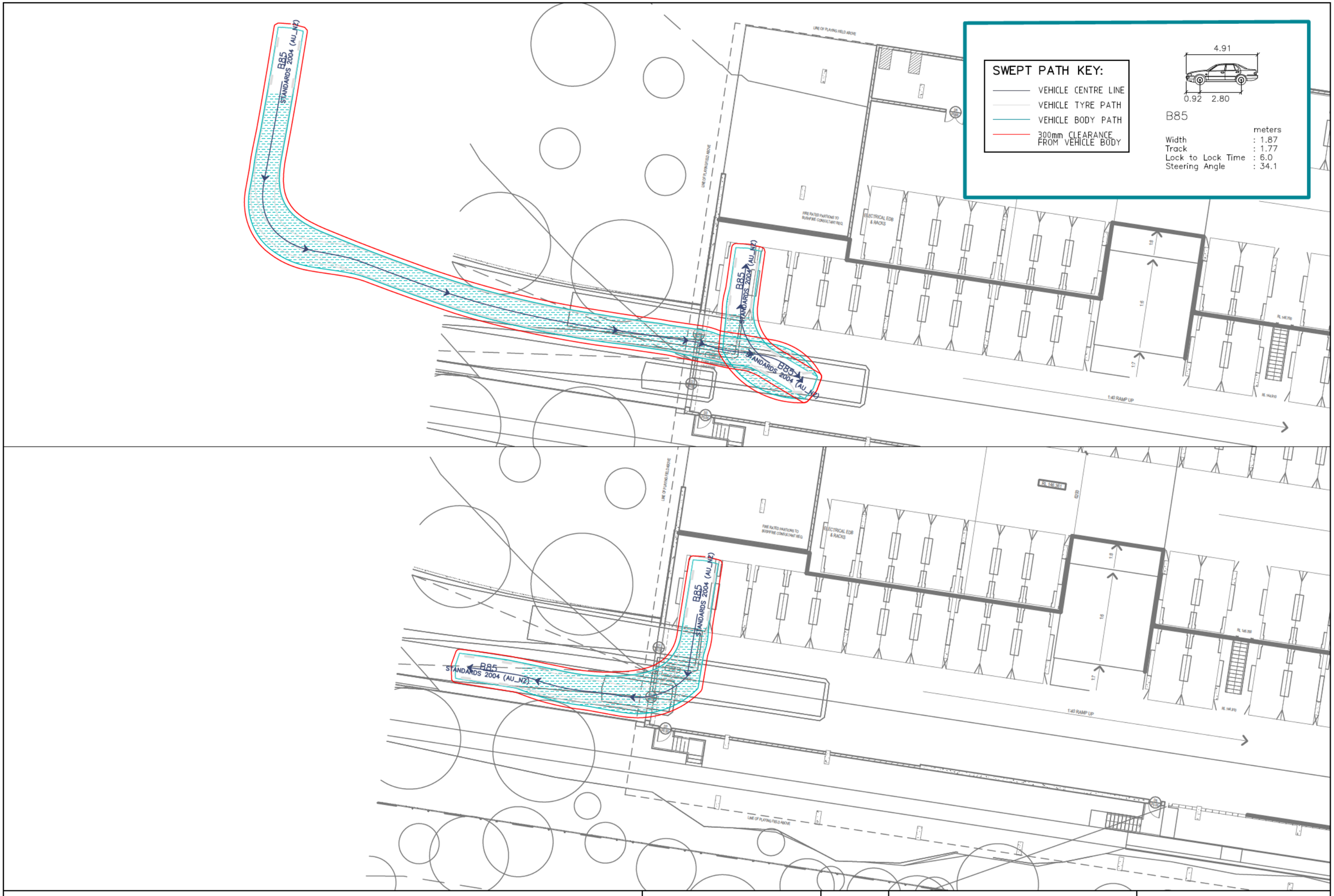
checked	Checker	scale	1 : 100@A1
drawn	Author	project no	220627

project
THE FOREST HIGH SCHOOL

drawing
Parking - GA - Sheet 2

drawing no. | issue
PA-DR-A-1001 | **B**

Appendix B
Swept Path Assessment



FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 01 OF 14

ISSUE DATE 4 October 2023

DESIGNED BY A.LAFKAS

SCALE A3 — 0 2.5 5.0 — 1:250

DISCLAIMER

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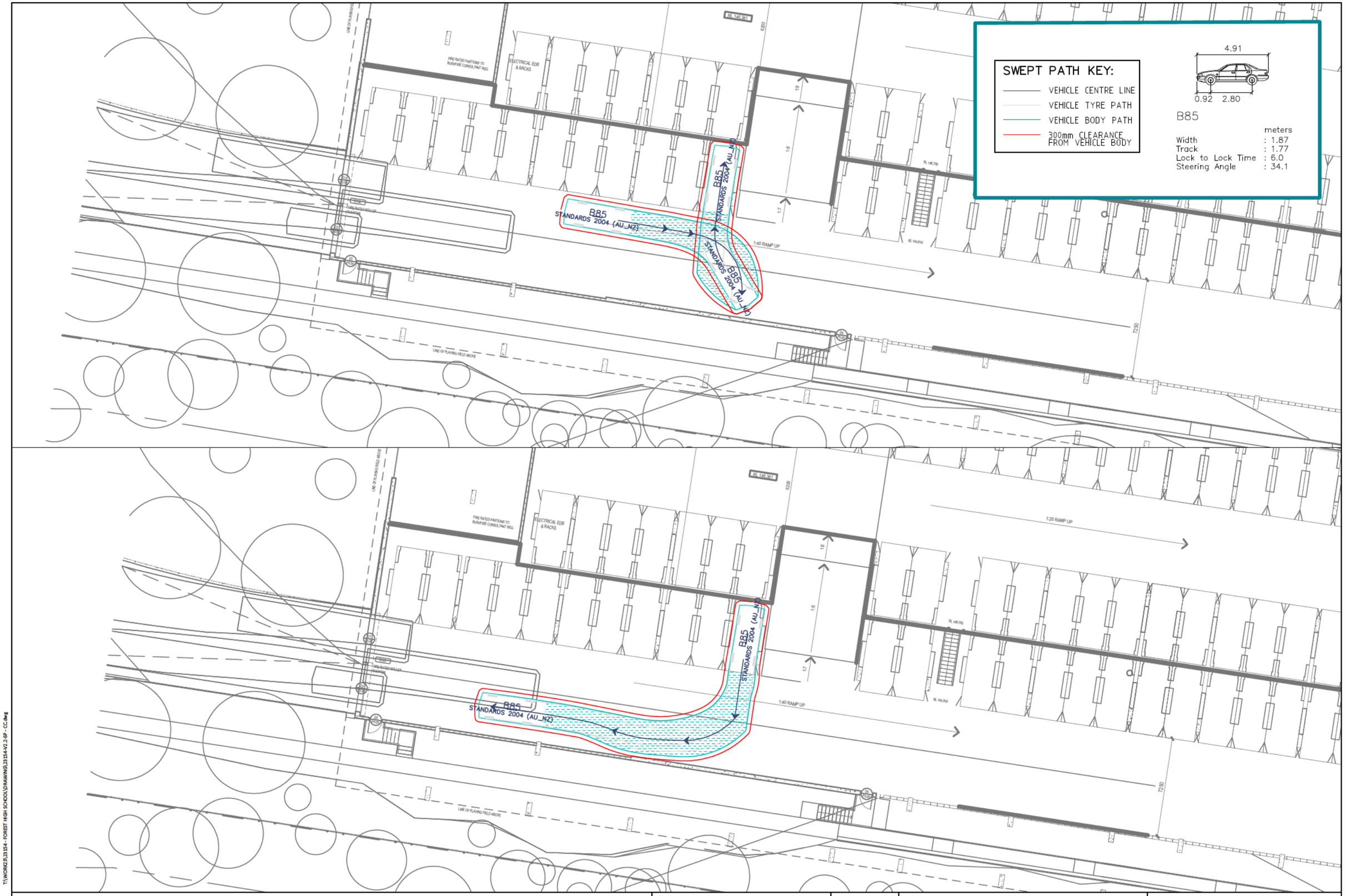
Plotted by Jathlan



FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 02 OF 14

ISSUE DATE 4 October 2023

DESIGNED BY A.LAFKAS

SCALE A3 0 2.5 5.0 1:250

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Plotted by: Lashlan T:\WORK\23154 - FOREST HIGH SCHOOL\DRAWING\23154-V2.2-SP - CC.dwg

FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 03 OF 14

ISSUE DATE 4 October 2023

DESIGNED BY A.LAFKAS

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FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 04 OF 14

ISSUE DATE 4 October 2023

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SCALE A3 0 2.5 5.0 1:250

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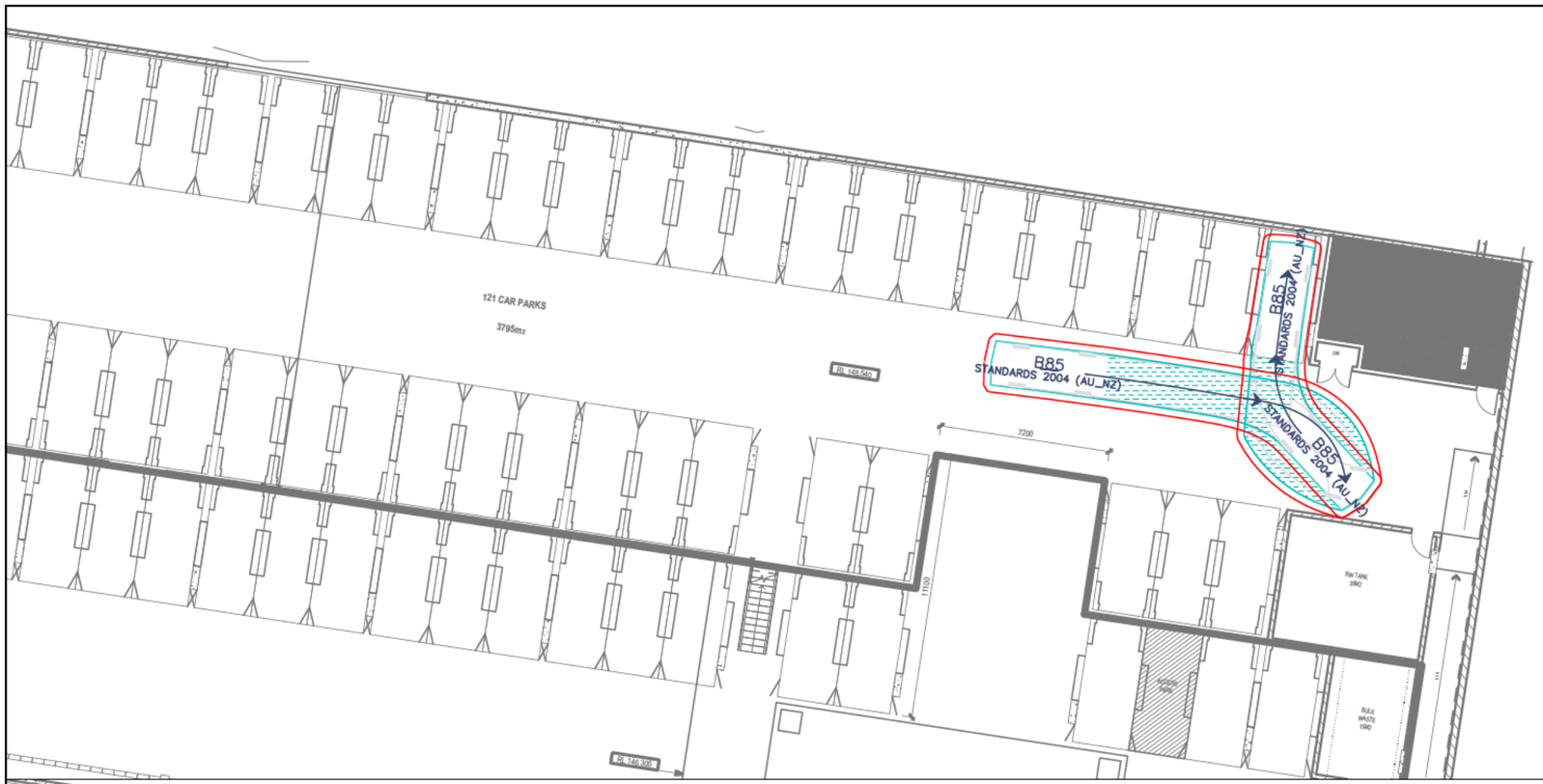
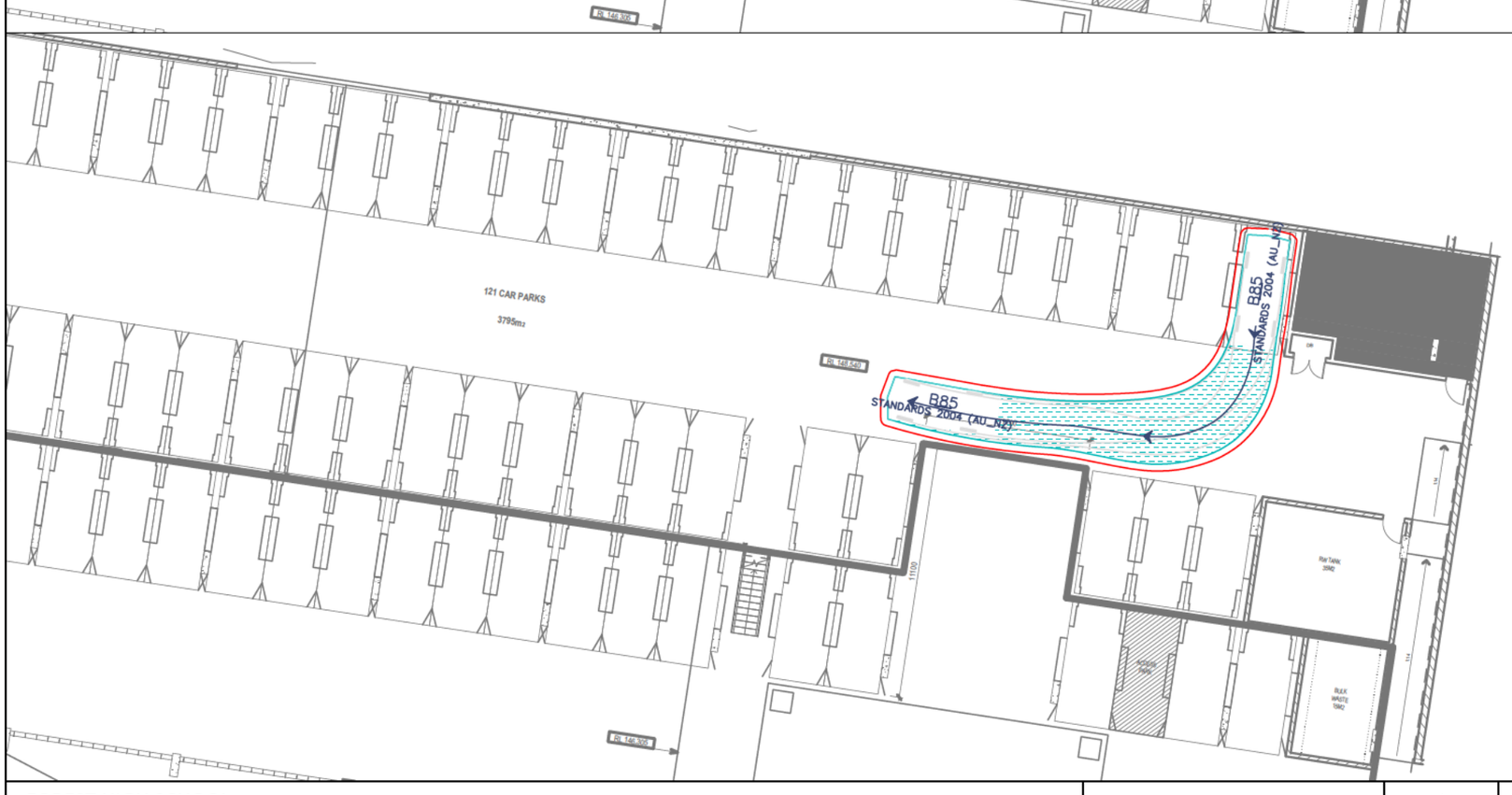
Plotted by Jachlan





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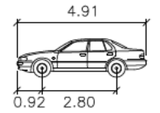
- VEHICLE CENTRE LINE
- VEHICLE TYRE PATH
- VEHICLE BODY PATH
- 300mm CLEARANCE FROM VEHICLE BODY



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Steering Angle	: 34.1

FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 05 OF 14

ISSUE DATE 4 October 2023

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SCALE A3 — 0 2.5 5.0 — 1:250

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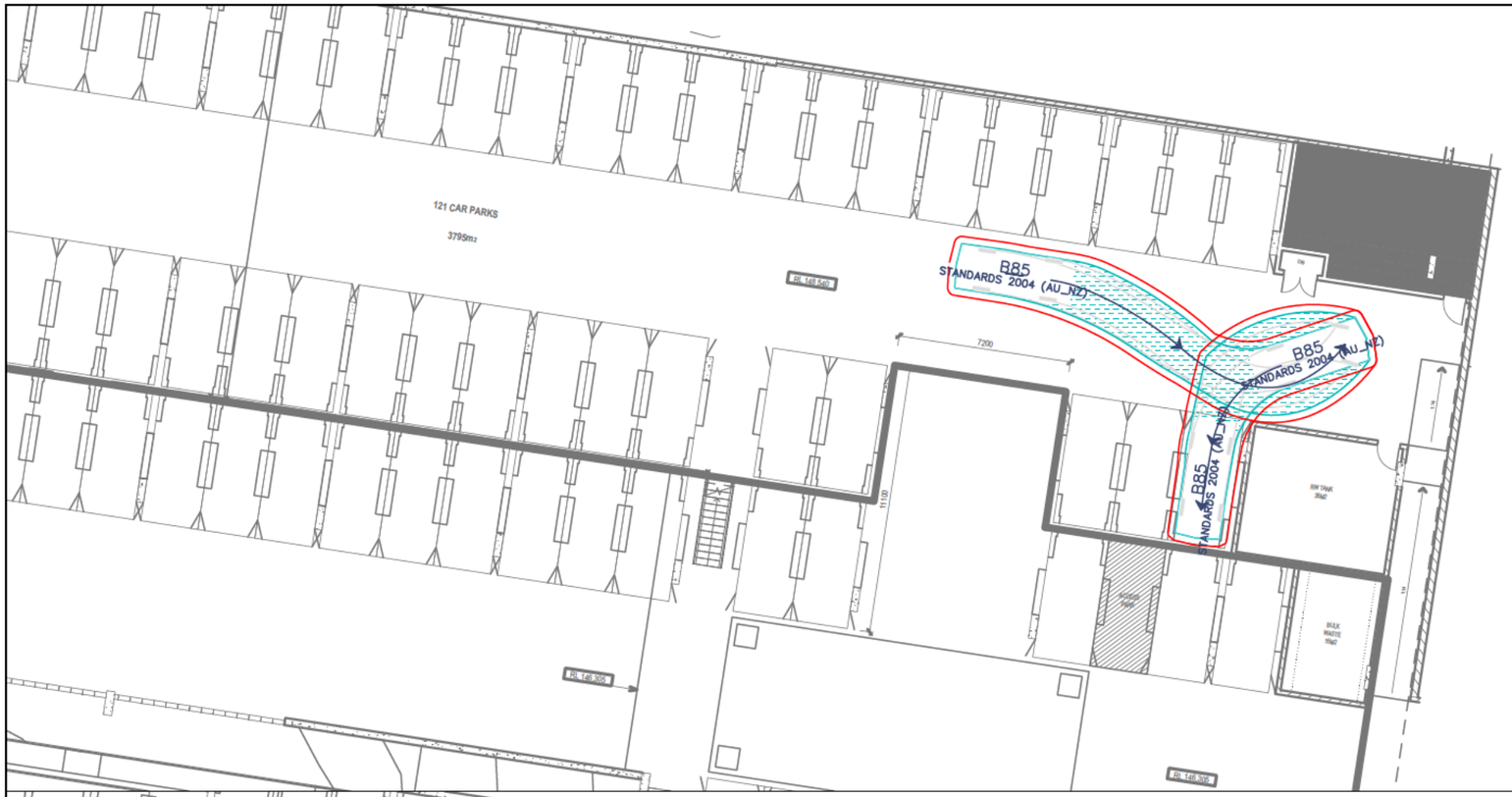
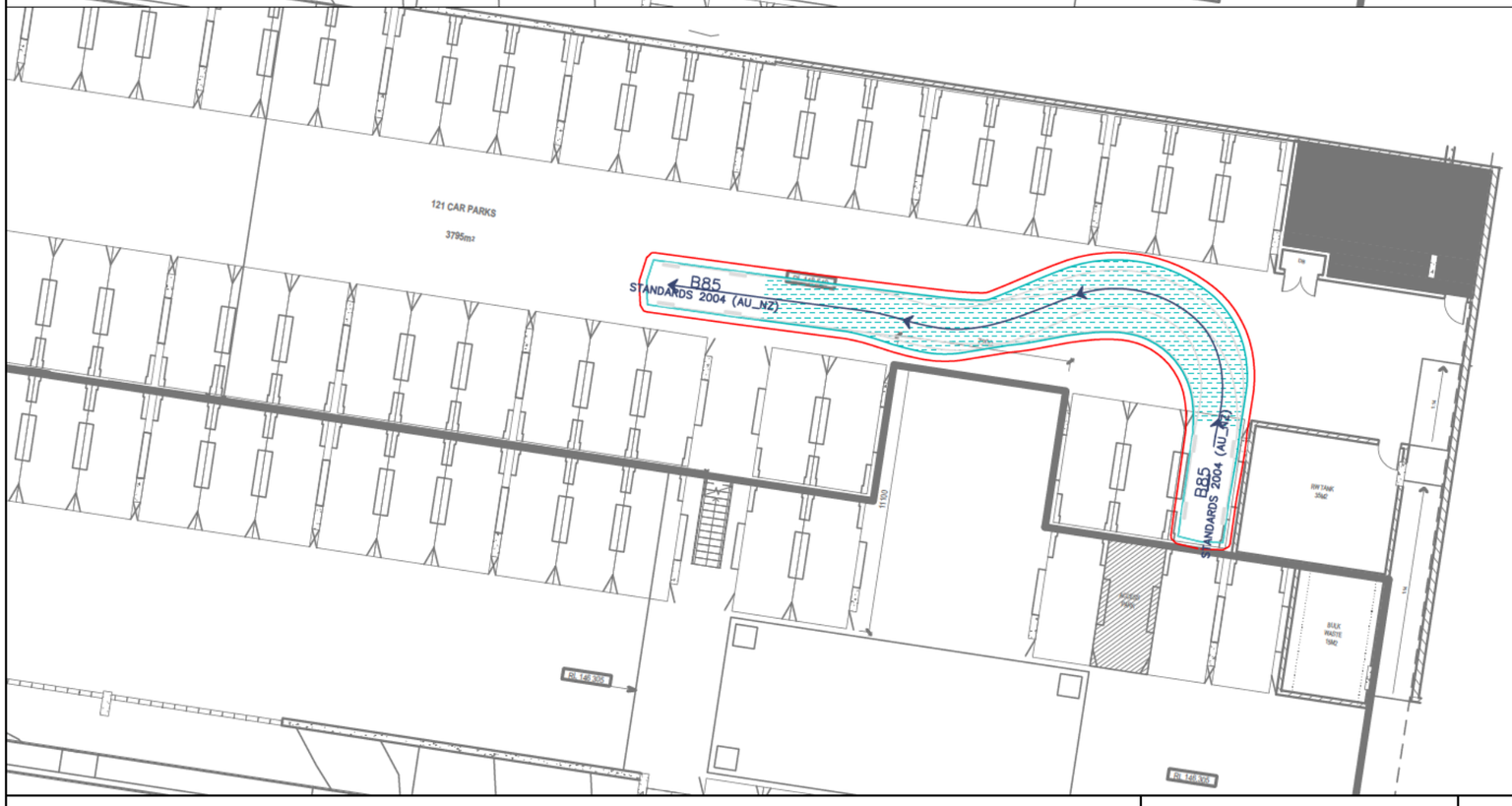
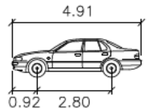




SWEPT PATH KEY:

- VEHICLE CENTRE LINE
- VEHICLE TYRE PATH
- VEHICLE BODY PATH
- 300mm CLEARANCE FROM VEHICLE BODY



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Width	: 1.87
Track	: 1.77
Lock to Lock Time	: 6.0
Steering Angle	: 34.1

FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 06 OF 14

ISSUE DATE 4 October 2023

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SCALE A3 — 0 2.5 5.0 — 1:250

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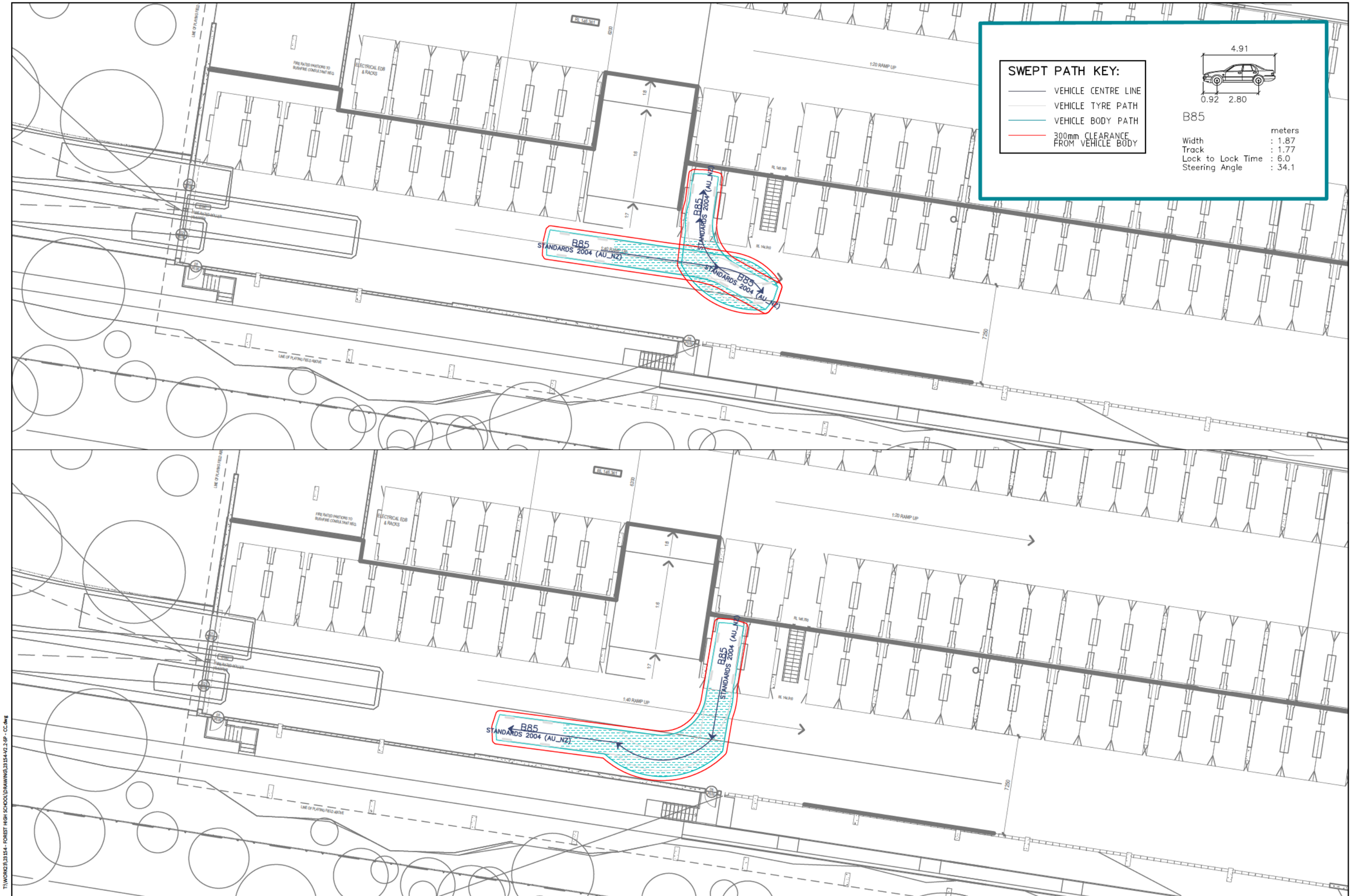
Plotted by Jathan



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Plotted by Jachlan

FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 07 OF 14

ISSUE DATE 4 October 2023

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SWEPT PATH KEY:

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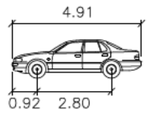
- VEHICLE TYRE PATH
- VEHICLE BODY PATH
- 300mm CLEARANCE FROM VEHICLE BODY



B85

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Track	: 1.77
Lock to Lock Time	: 6.0
Steering Angle	: 34.1

FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 08 OF 14

ISSUE DATE 4 October 2023

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SCALE A3 — 0 2.5 5.0 — 1:250

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FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 09 OF 14

ISSUE DATE 4 October 2023

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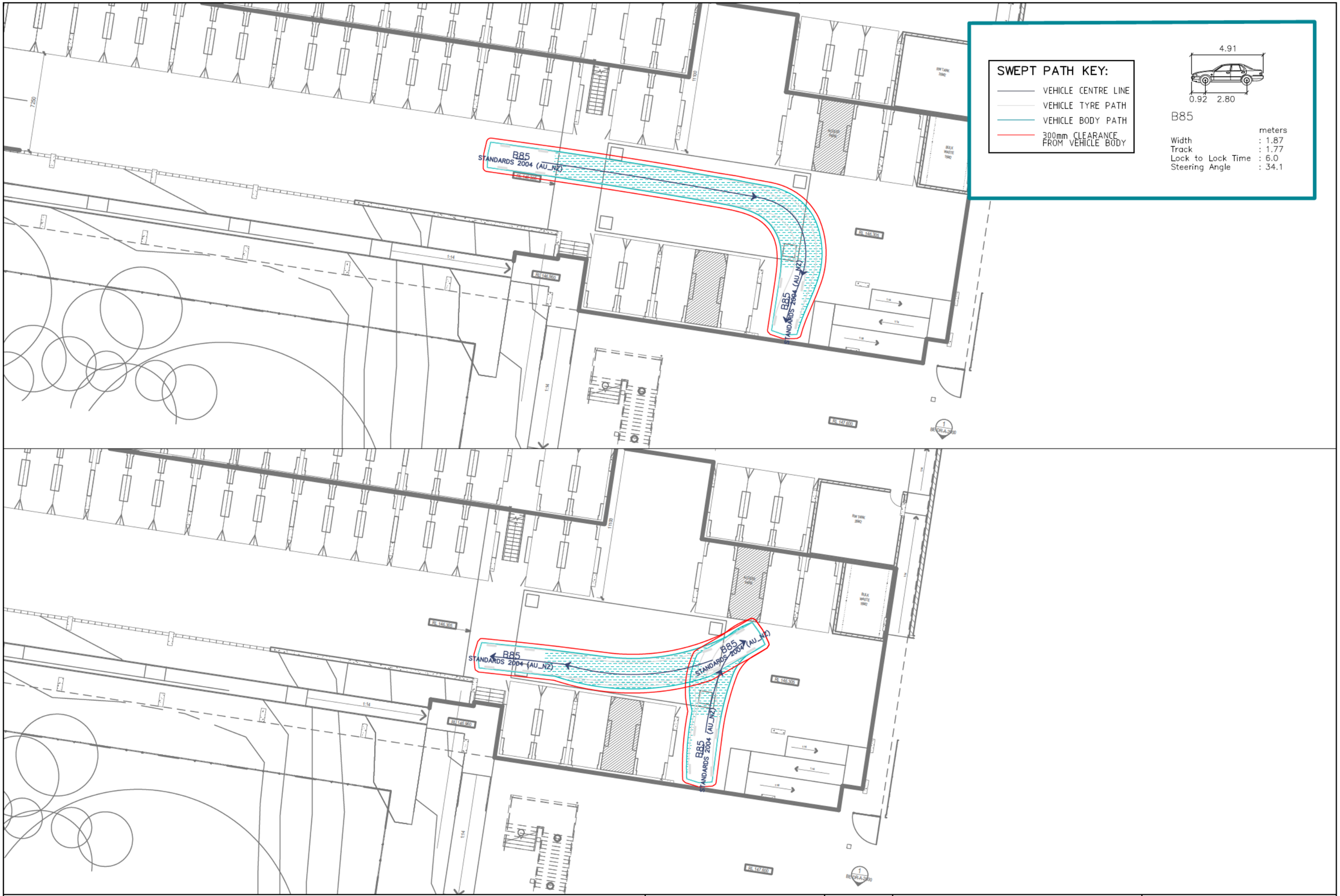

FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 10 OF 14

ISSUE DATE 4 October 2023

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SCALE A3 0 2.5 5.0 1:250

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Plotted by: Lashlan

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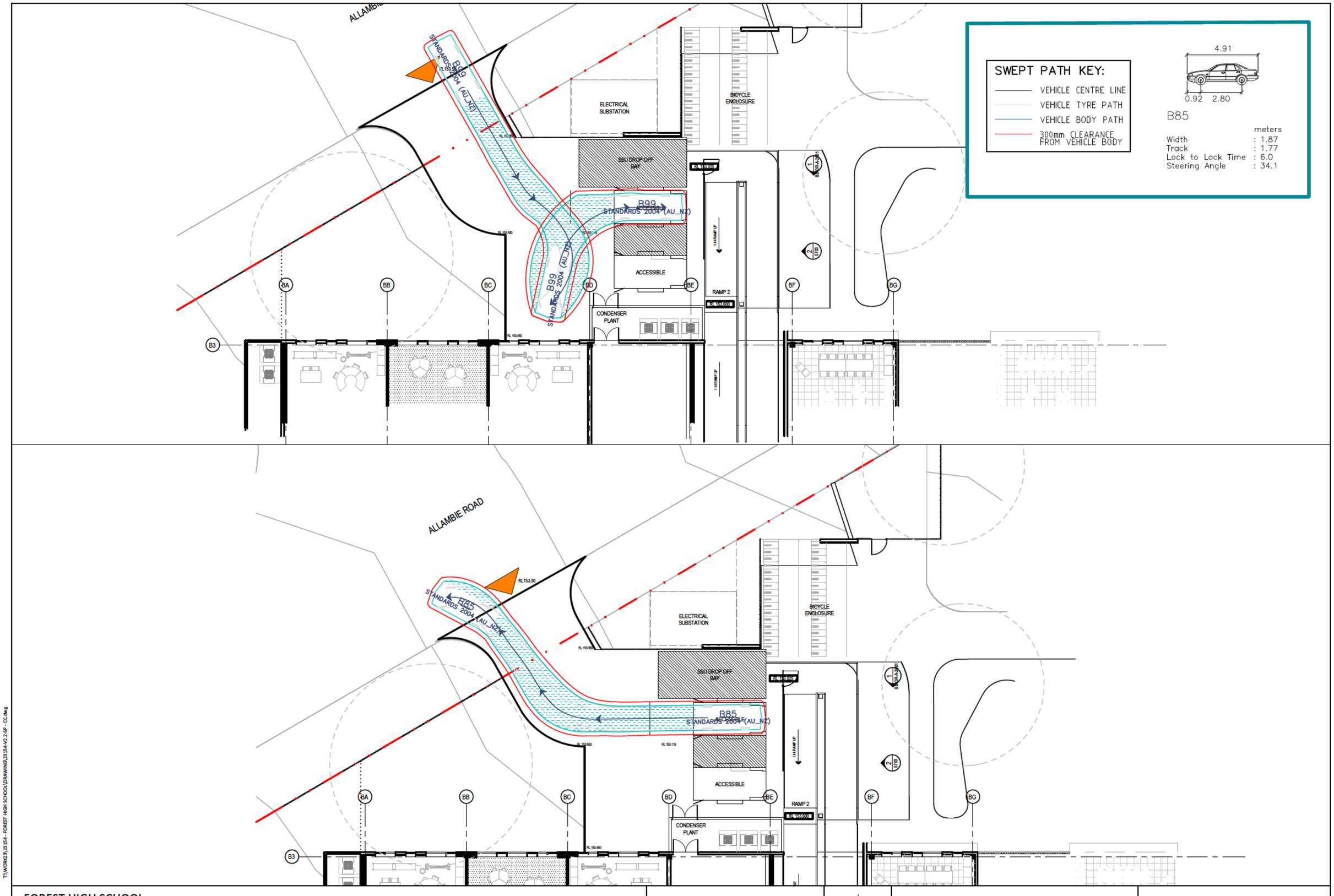

FOREST HIGH SCHOOL
ENTRY AND EXIT OF AN 85th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 11 OF 14

ISSUE DATE 4 October 2023

DESIGNED BY A.LAFKAS

SCALE A3 0 2.5 5.0 1:250

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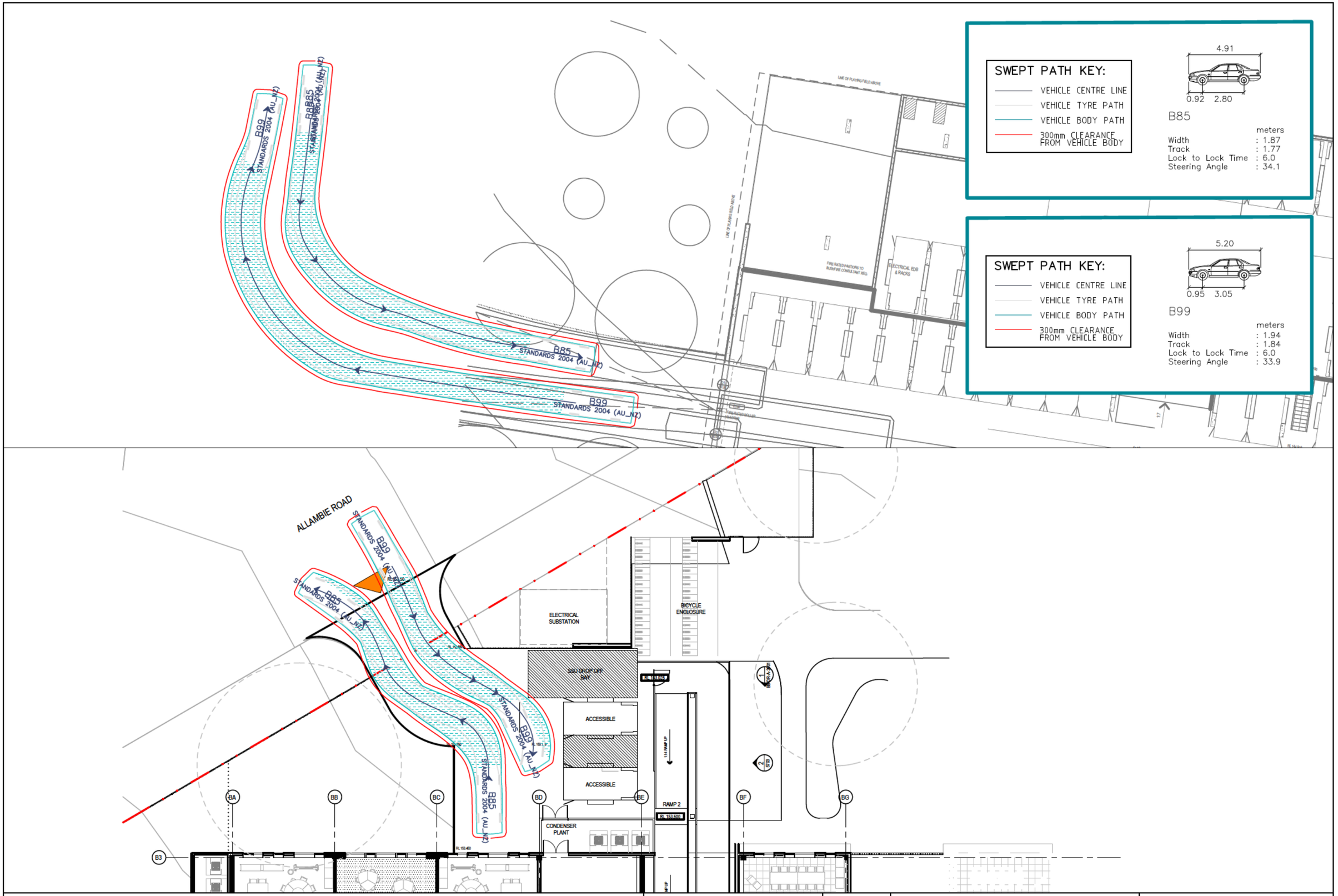

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Plotted by ia.shilan

FOREST HIGH SCHOOL
PASSING OF AN 85th AND A 99th PERCENTILE VEHICLE
SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 12 OF 14

ISSUE DATE 4 October 2023

DESIGNED BY A.LAFKAS

SCALE A3 0 2.5 5.0 1:250

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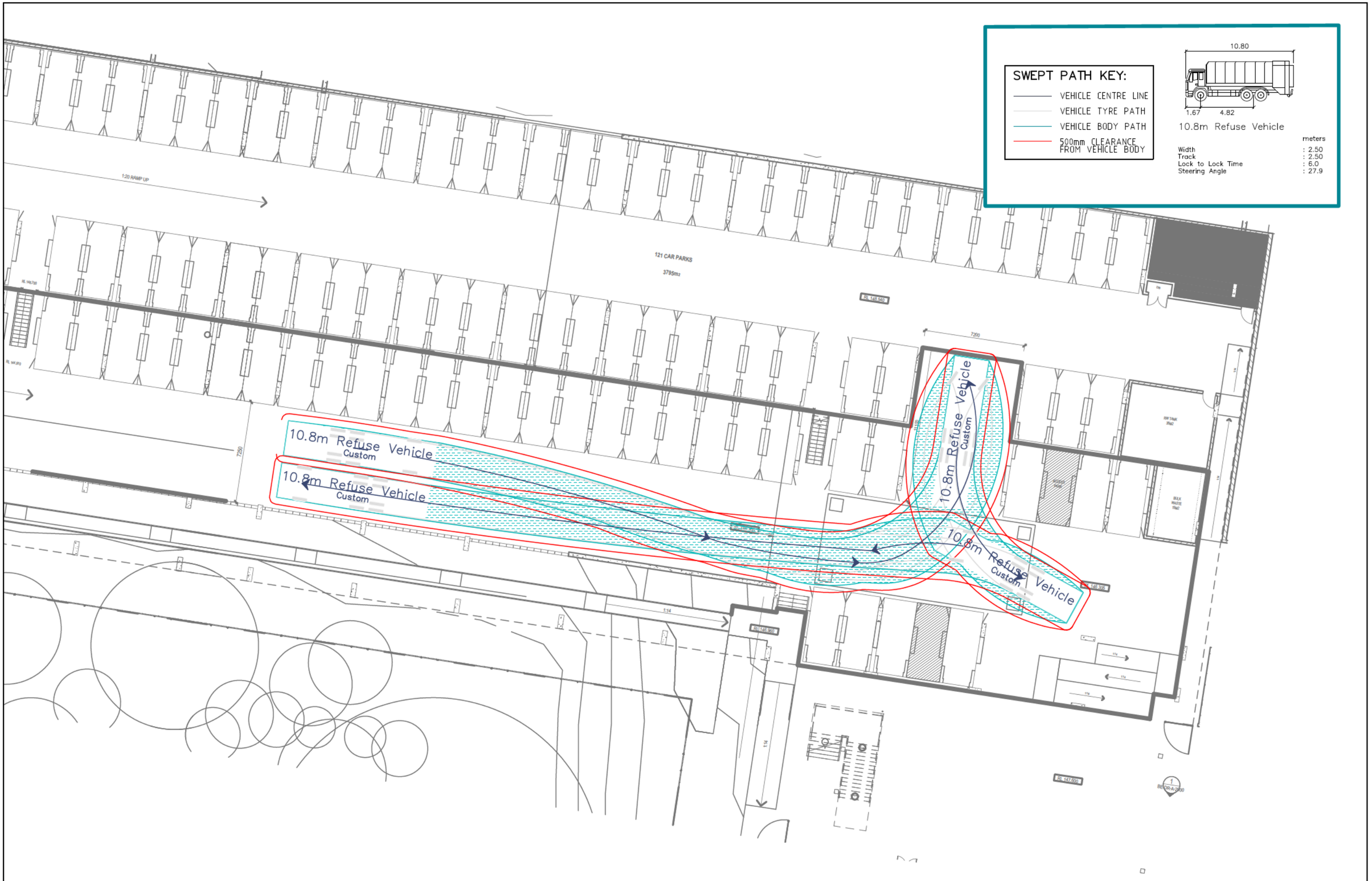

FOREST HIGH SCHOOL
ENTRY AND EXIT OF A 10.8m REFUSE VEHICLE SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 13 OF 14

ISSUE DATE 4 October 2023

DESIGNED BY A.LAFKAS

SCALE A3 0 2.5 5.0 1:250

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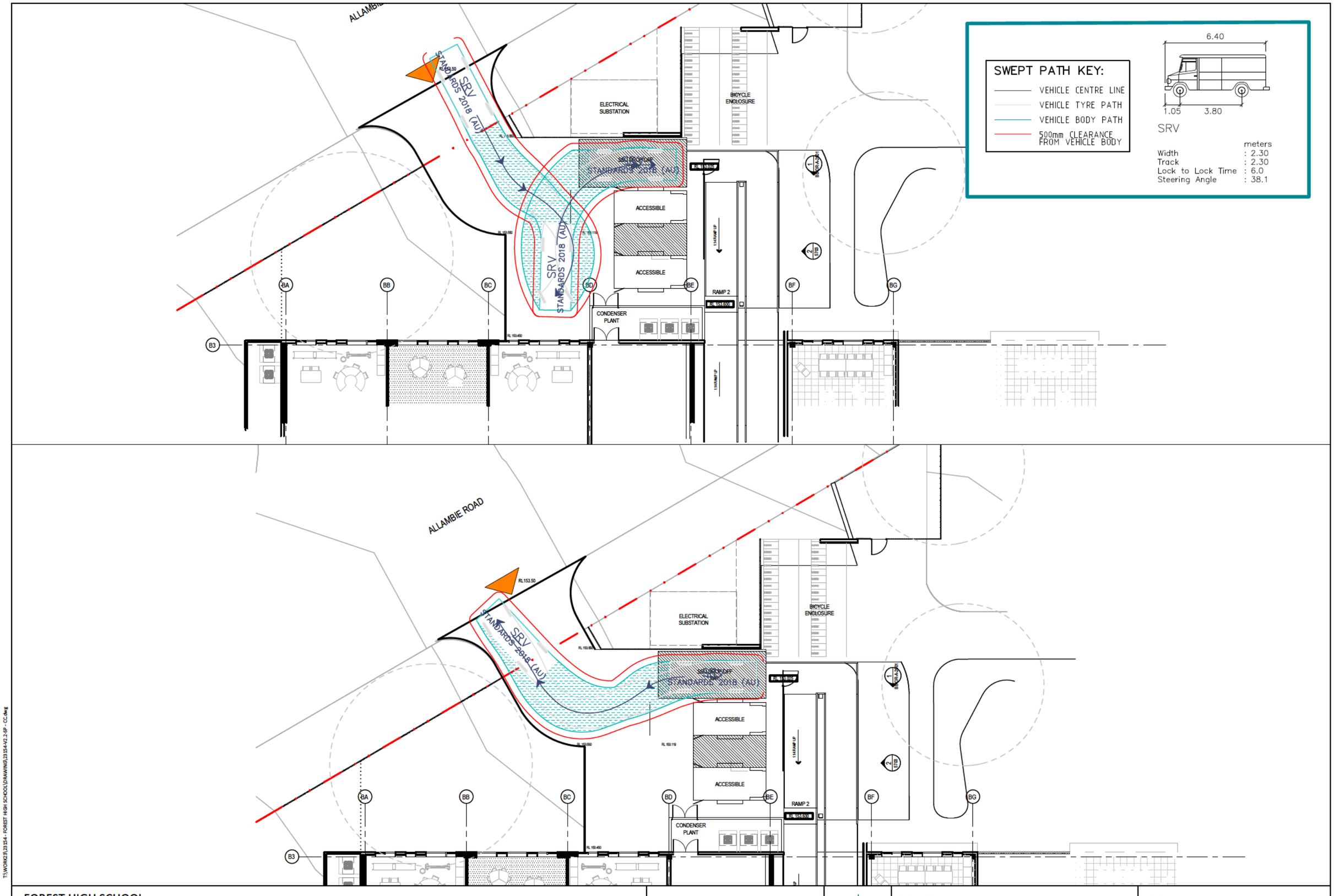
Plotted by Jachlan



FOREST HIGH SCHOOL
ENTRY AND EXIT OF A 6.4m SMALL RIGID VEHICLE (SRV) SWEPT PATH ASSESSMENT

DRAWING REF NO. 23154-V2.2-SP - CC

SHEET NO. 14 OF 14

ISSUE DATE 4 October 2023

DESIGNED BY A.LAFKAS

SCALE A3 — 0 2.5 5.0 — 1:250

DISCLAIMER

This drawing has been prepared using vehicle modelling computer software AutoTurn Pro V11.0 in conjunction with AutoCAD 2018. The vehicle used is based upon vehicle data provided by Austroads and incorporates a reasonable degree of tolerance. However, it is not possible to account for all vehicle types/characteristics and/or driver ability.

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