



# TRANSPORT AND TRAFFIC PLANNING ASSOCIATES

Suite 604, Level 6, 10 Help Street, Chatswood NSW 2067

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Date: 04 October 2023

Ref: 23154

Adam Josifov

Cadet

ADCO Construct

E: [ajosifov@adcoconstruct.com.au](mailto:ajosifov@adcoconstruct.com.au)

Dear Adam,

## The Forest High School Allambie Road, Allambie Heights Assessment Letter

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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



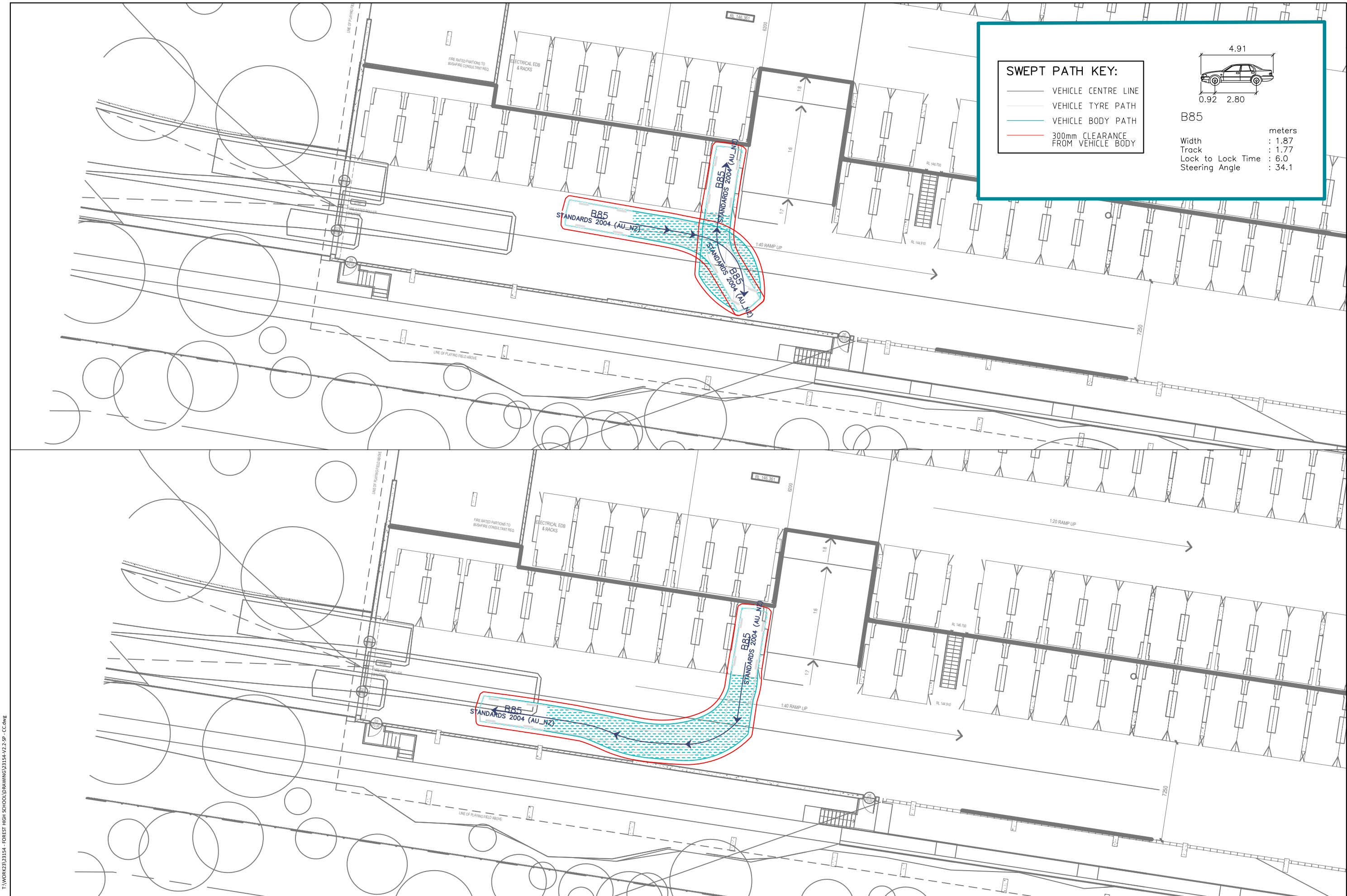
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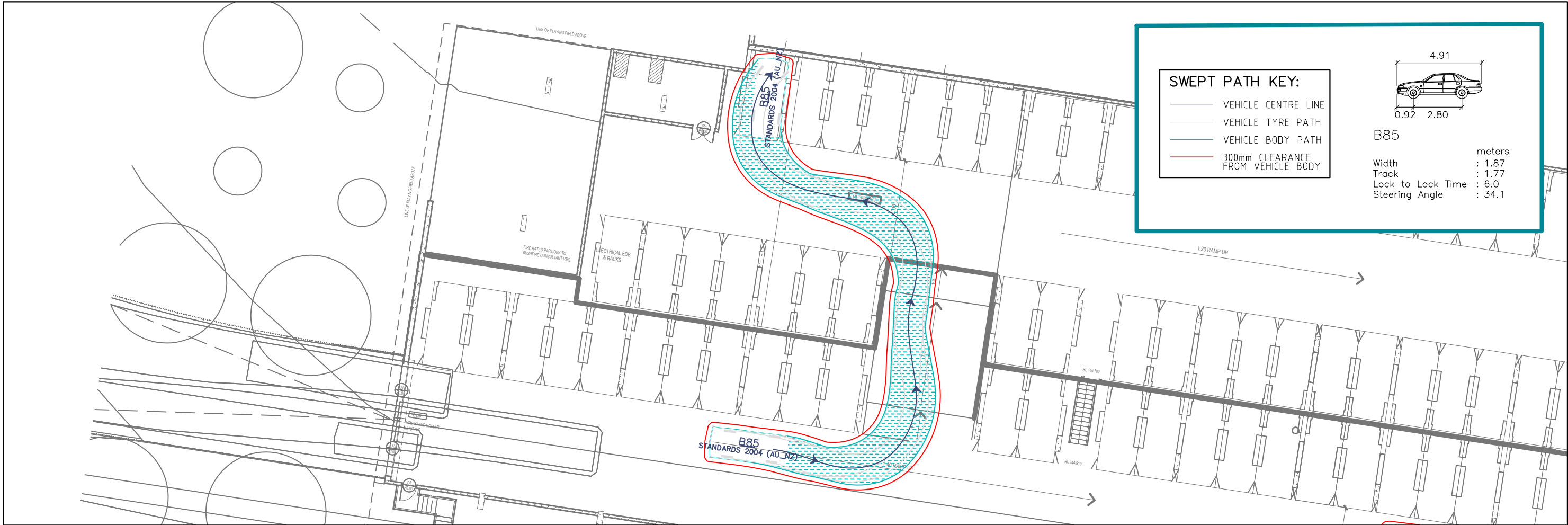


# Appendix B

## Swept Path Assessment







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Printed by Lachlan



**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

DESIGNED BY A.LAFKAS

SCALE A3 0 2.5 5.0 1:250

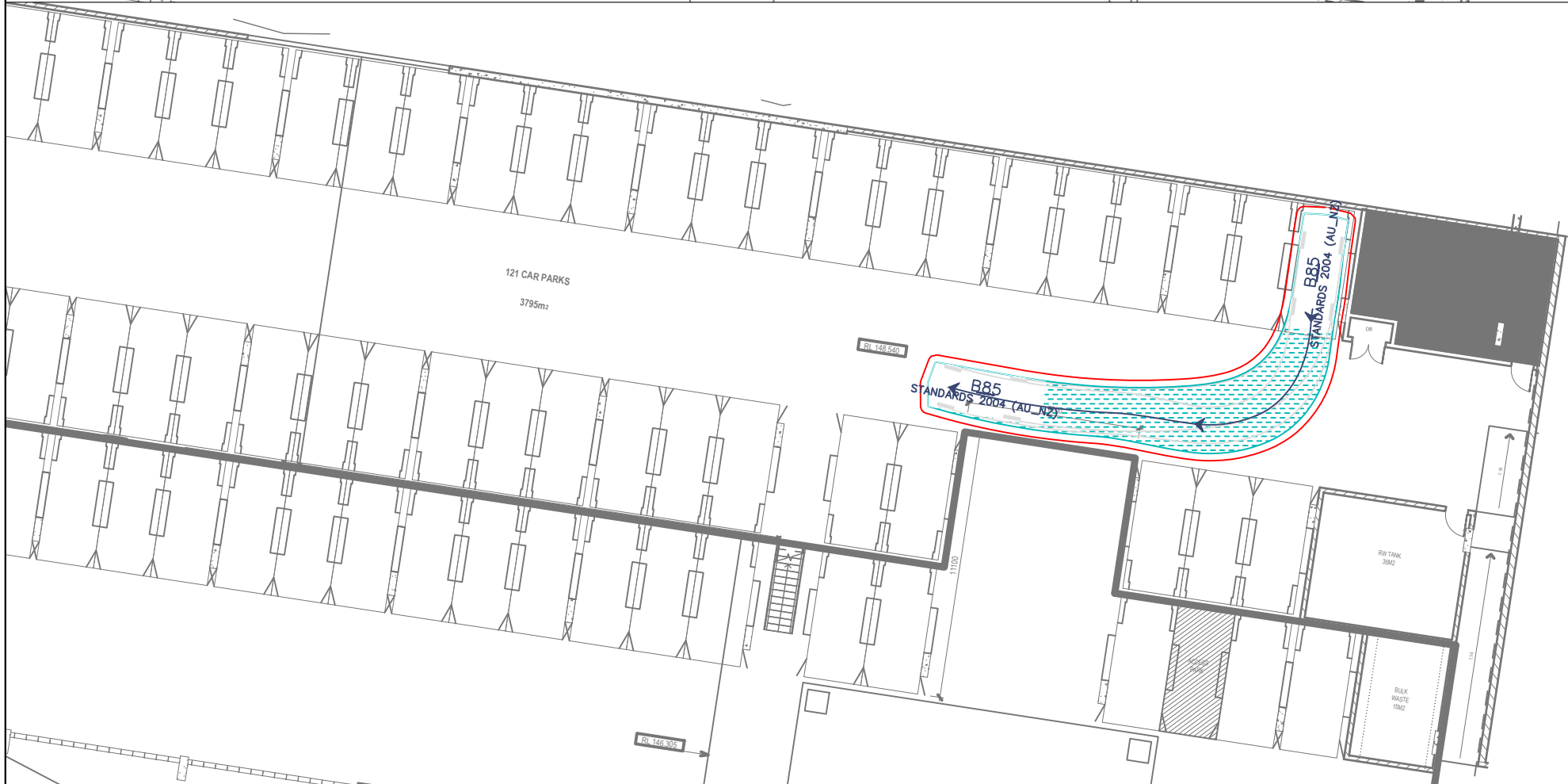
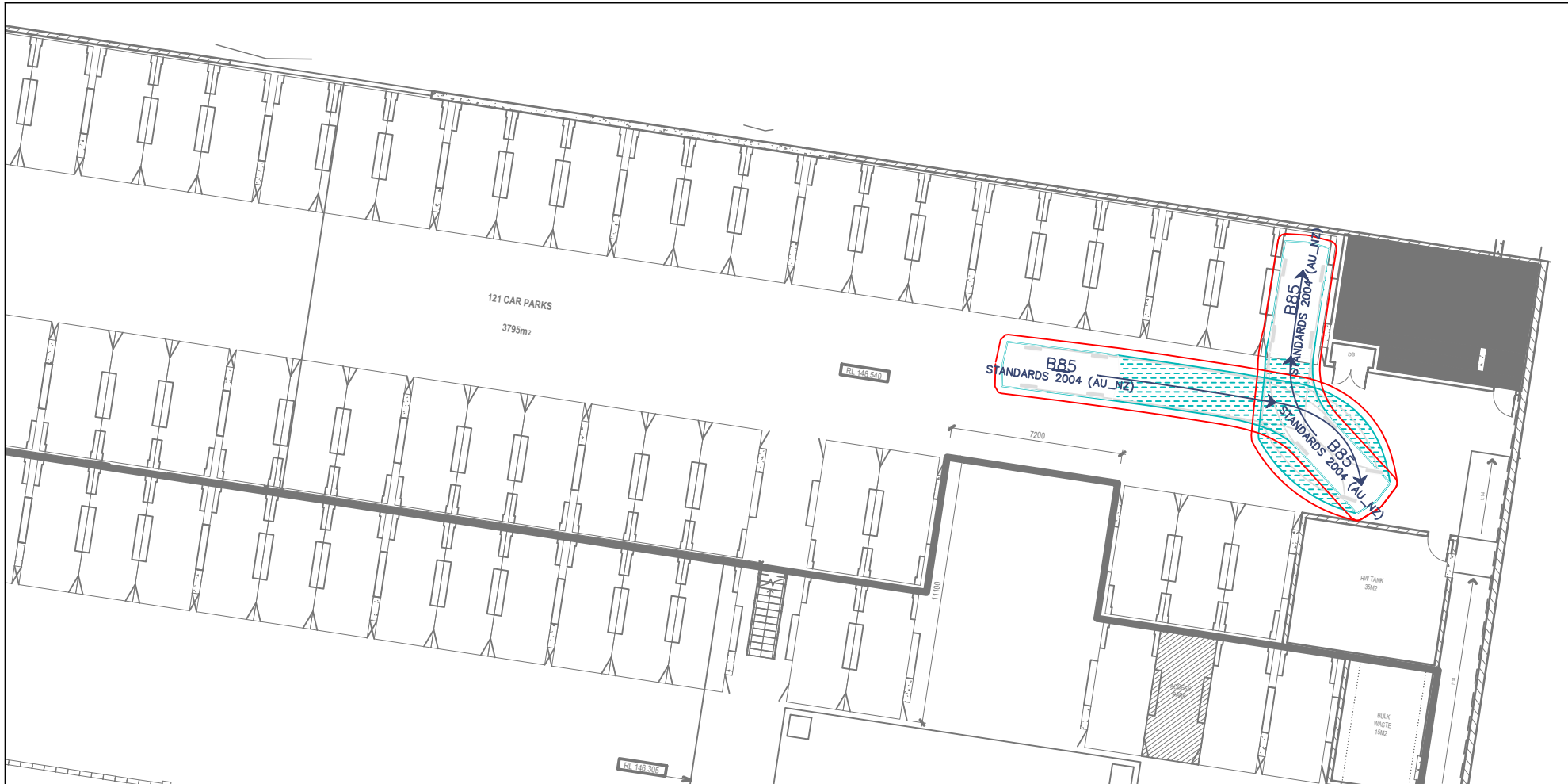


**DISCLAIMER**

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- SWEPT PATH KEY:**
- VEHICLE CENTRE LINE
  - VEHICLE TYRE PATH
  - VEHICLE BODY PATH
  - 300mm CLEARANCE FROM VEHICLE BODY

4.91  
0.92 2.80

B85

Width : 1.87 meters  
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

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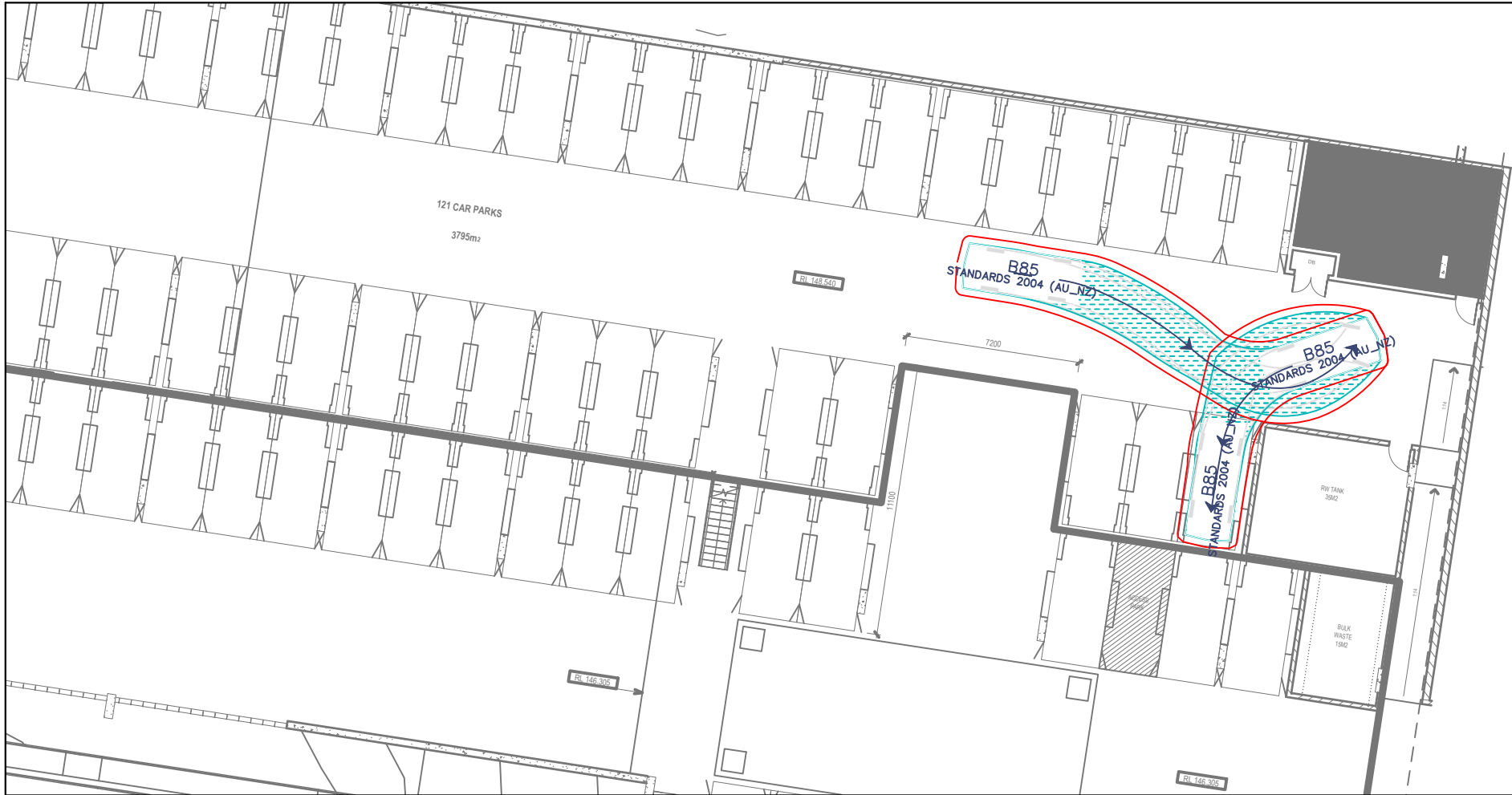
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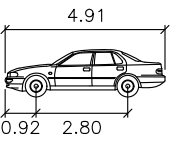
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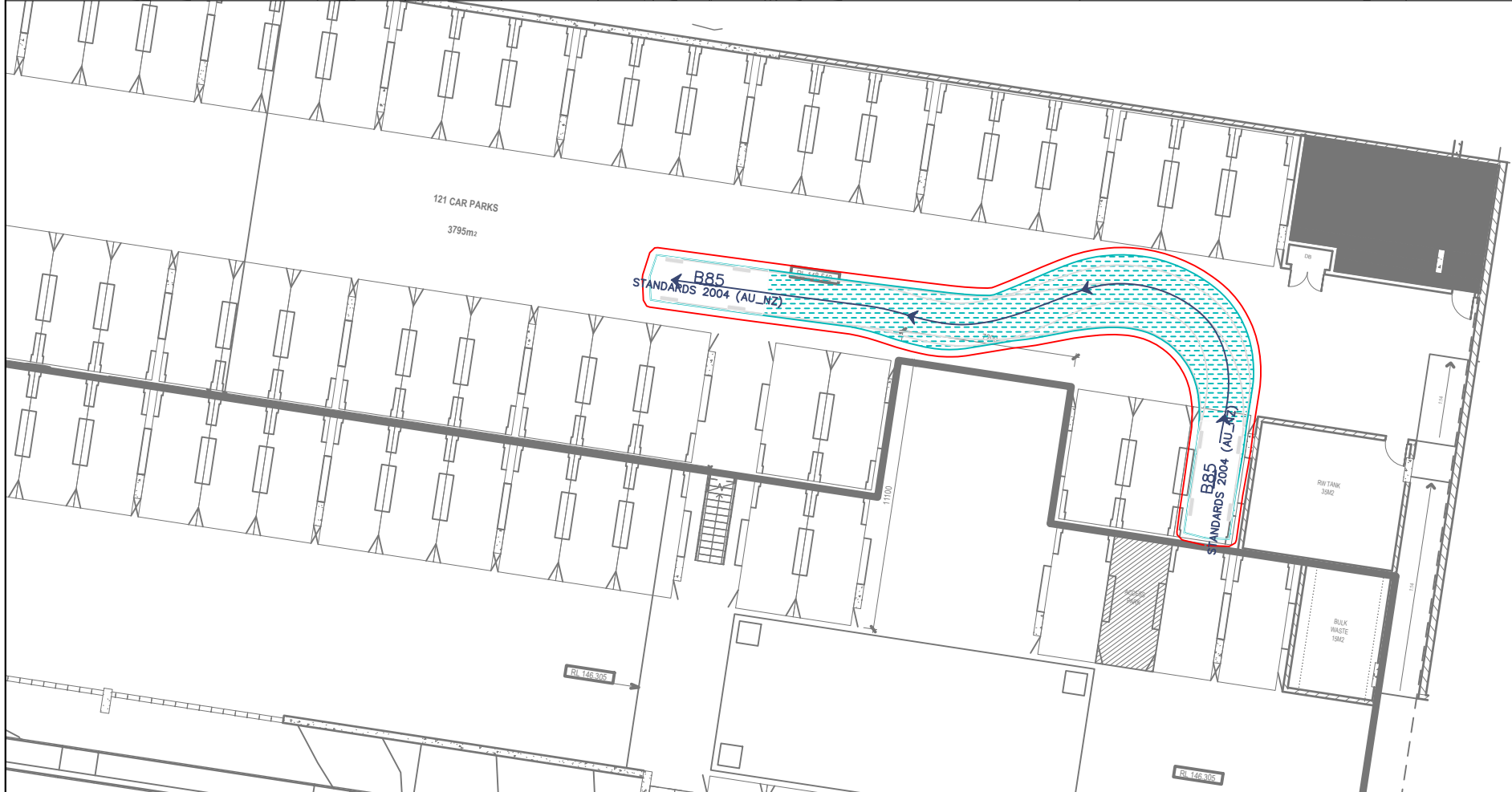


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FOREST HIGH SCHOOL  
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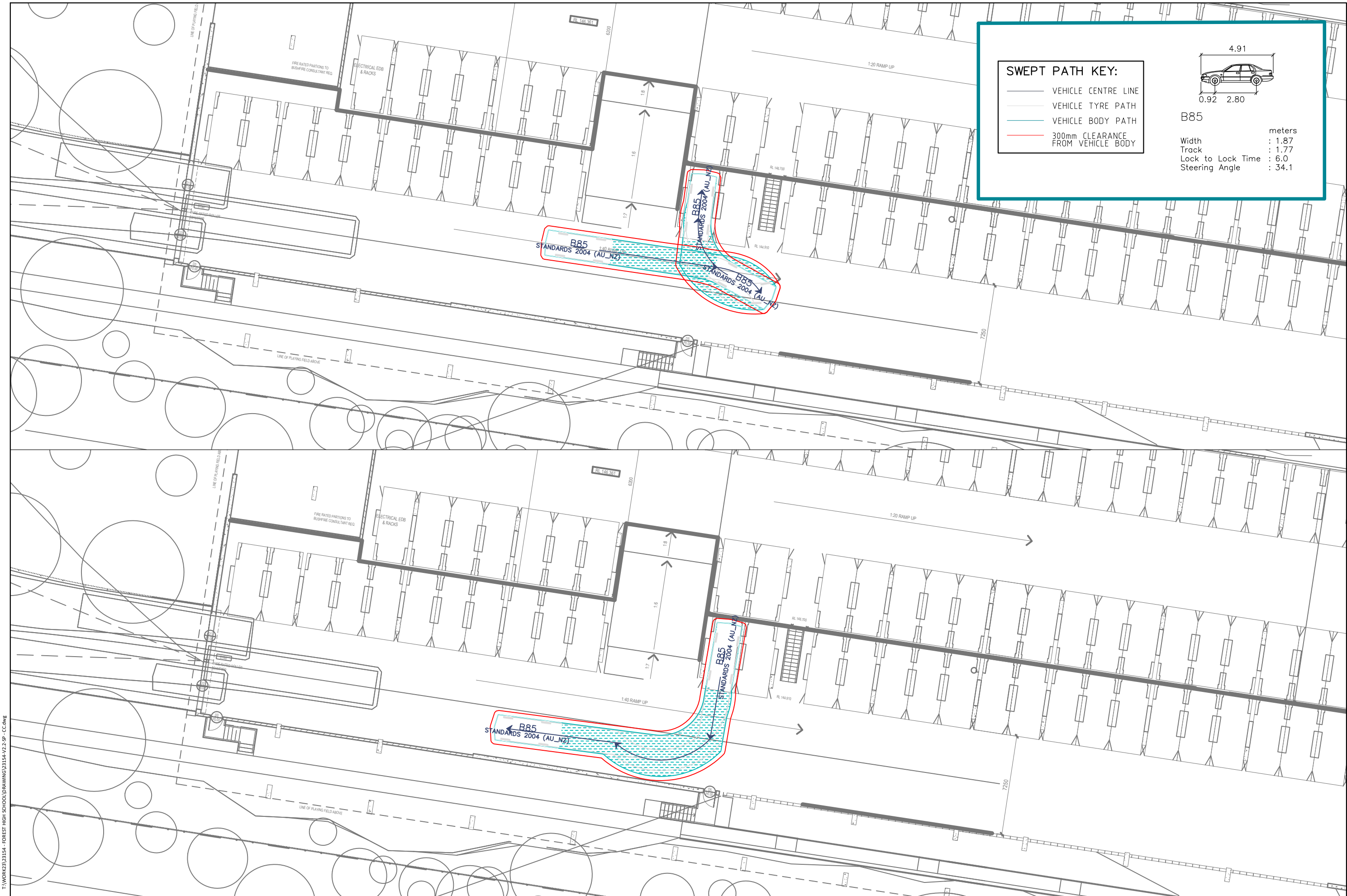
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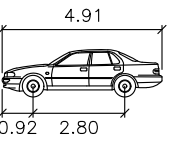
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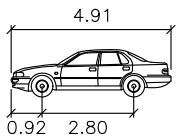
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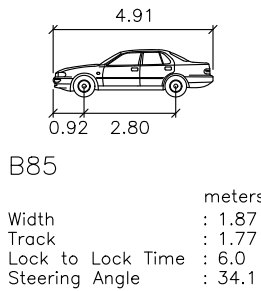
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SHEET NO. 10 OF 14

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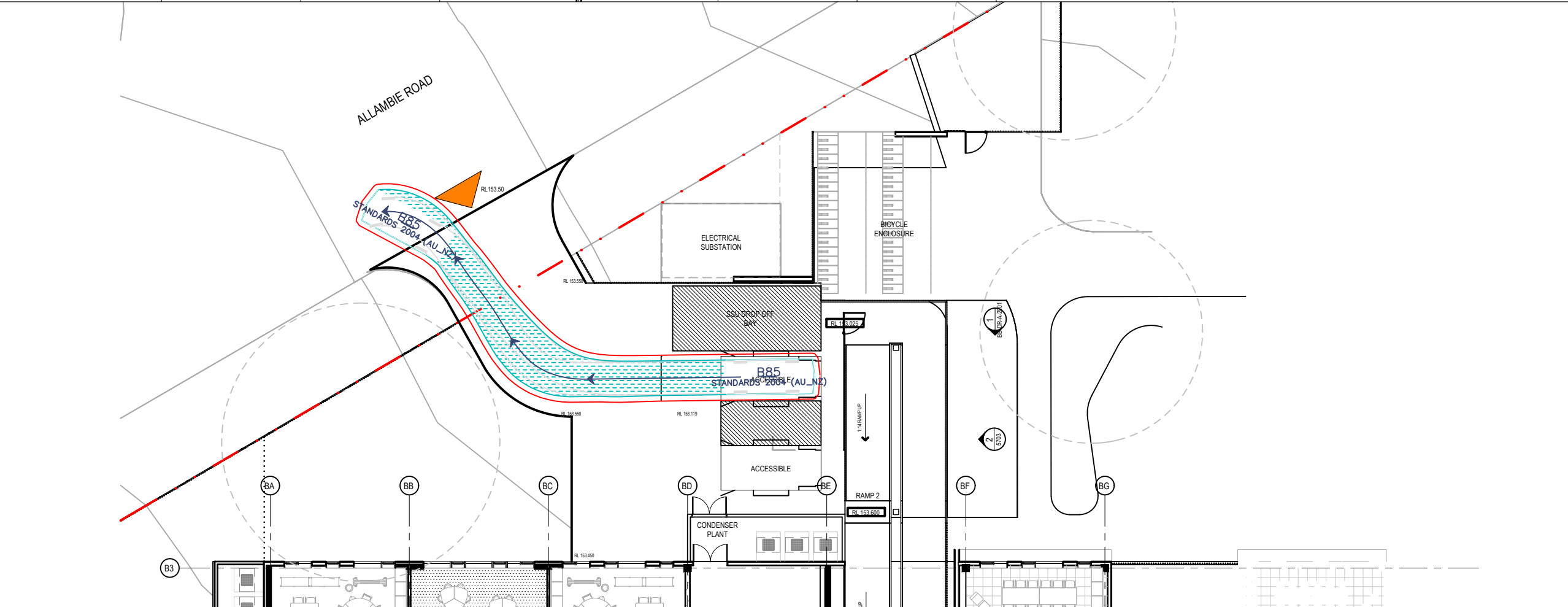
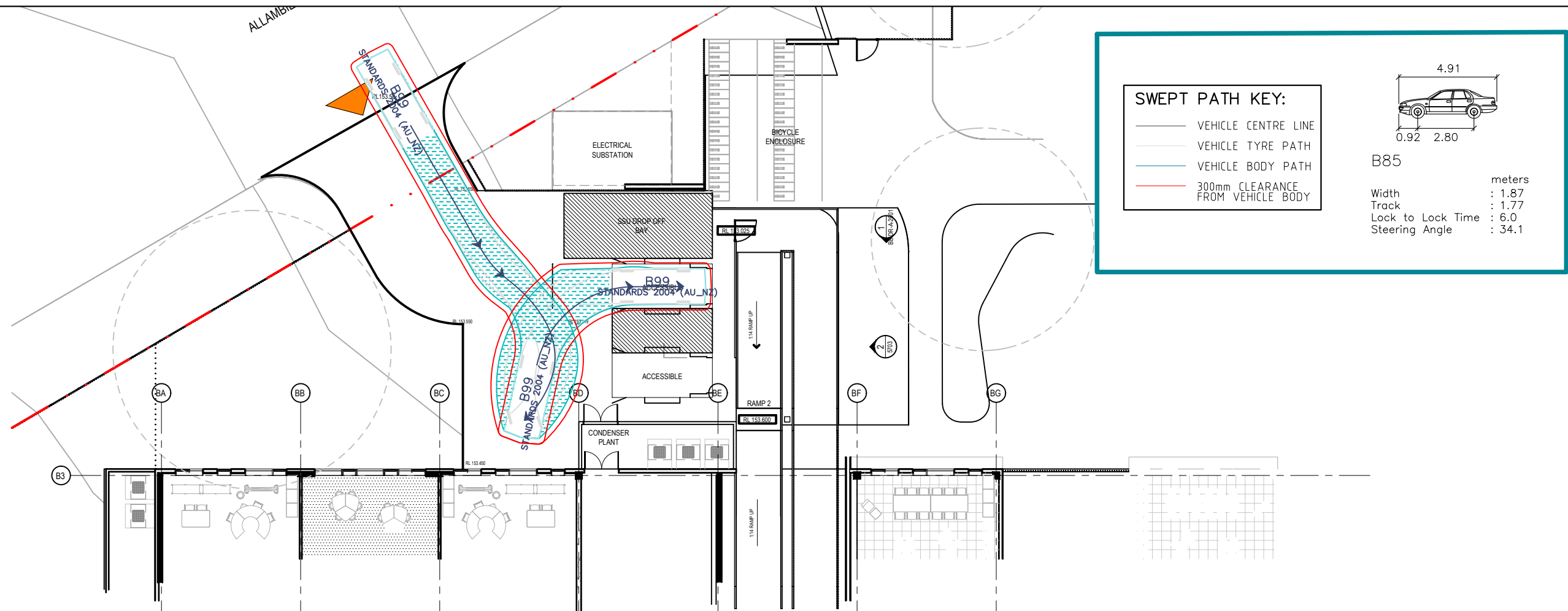
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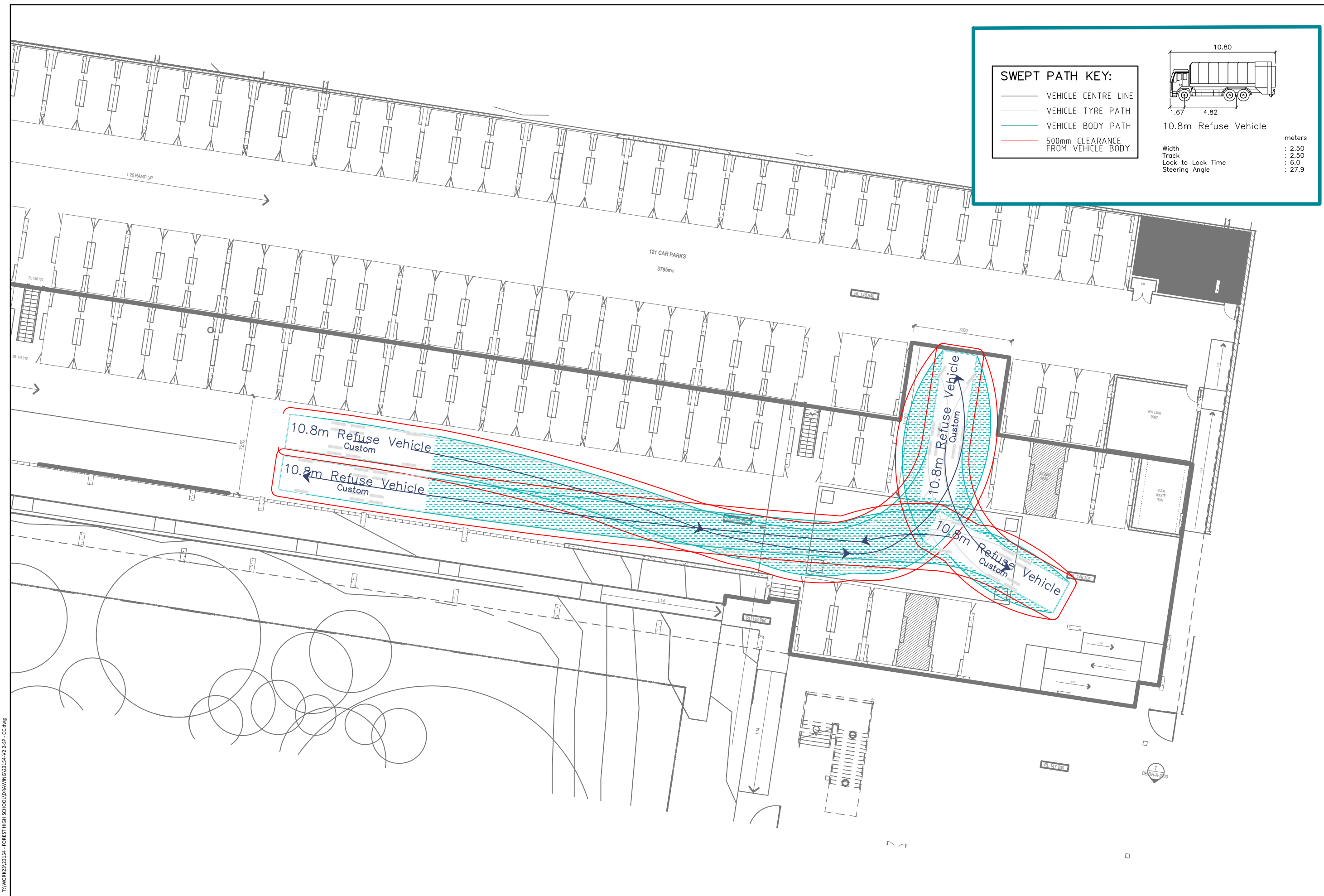
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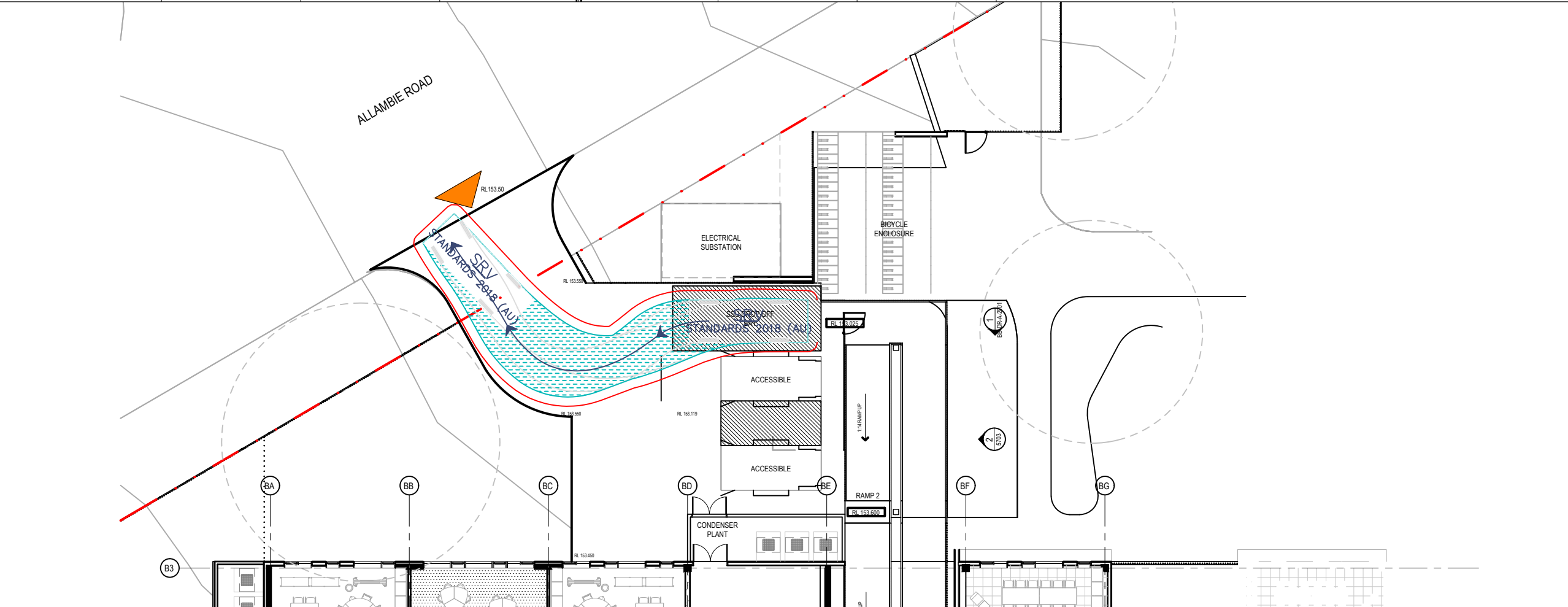
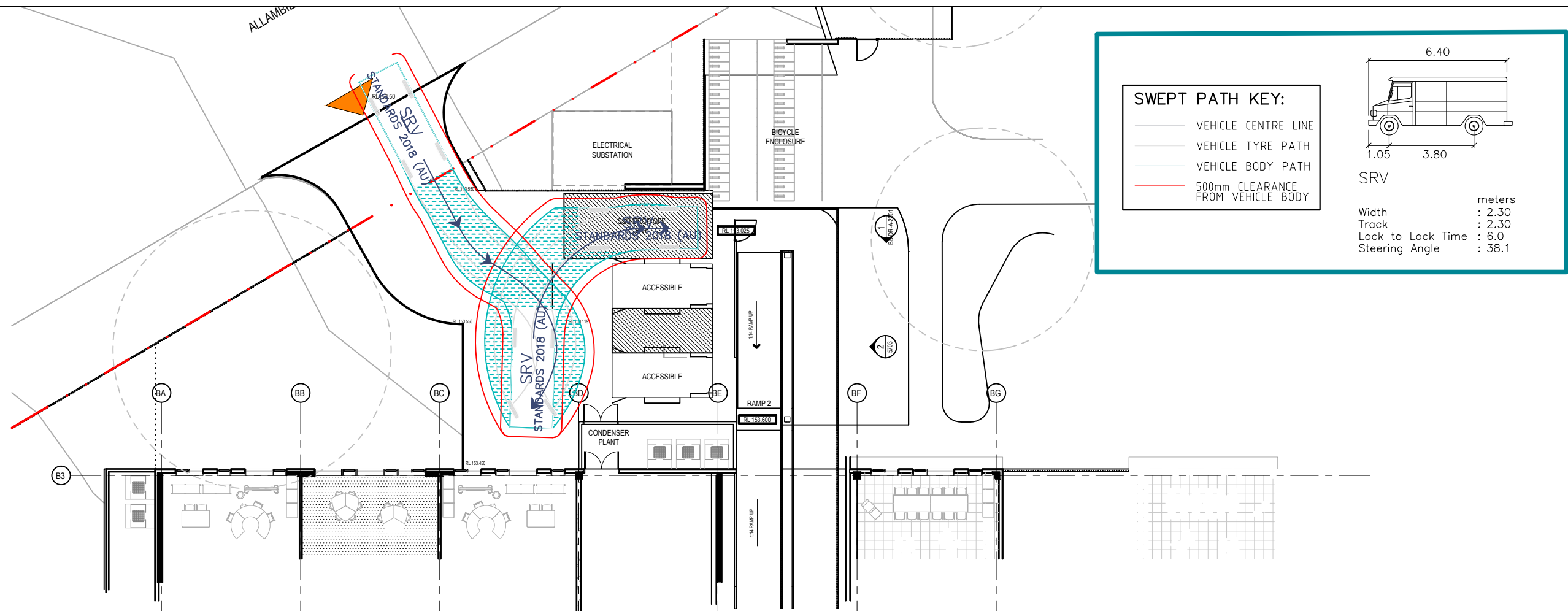
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ENTRY AND EXIT OF A 6.4m SMALL RIGID VEHICLE (SRV)  
SWEEP PATH ASSESSMENT

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