

Project Number	T23.151	Project Name	Development for Commercial Purposes of Unit 6 Tafarnaubach Industrial Estate, Tredegar
Noted by	KW & WD		
Subject	Access & Site Plan	Date	October 2024

Technical Note

1 Introduction

1.1 Background

1.1.1 Asbri Transport Limited has been appointed by Ron Skinner to produce an access design and site layout in support of an application for permission for the proposed development of a car sales storage and car transporter servicing and maintenance and storage facility at Unit 6 Tafarnaubach Industrial Estate, Tredegar.

1.1.2 The location of the proposed development site is shown in **Figure 1.1**.

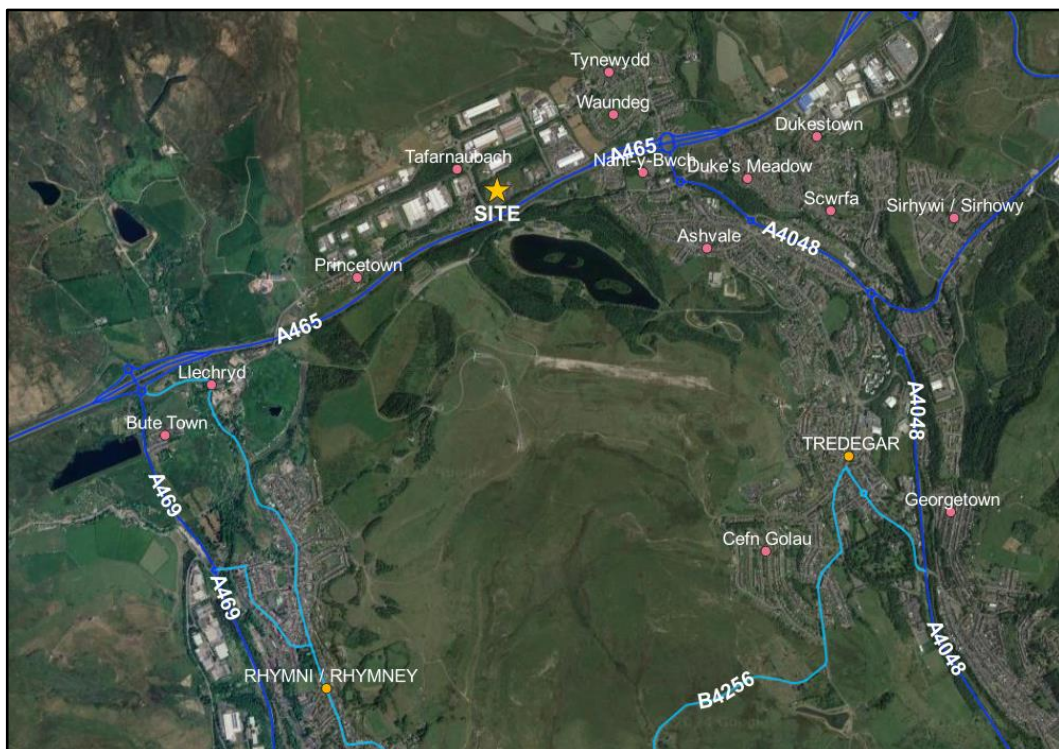


Figure 1.1 Site Location

- 1.1.3 The site is currently a disused industrial unit, located to the north of the A465 Heads of the Valleys Road. Access to the local road network via Merthyr Road which runs parallel to the A465, running to south of the A465 in the immediate vicinity of the site and to the north of the A465 to the west of the proposed development site.
- 1.1.4 The proposed development site is accessed directly via the southern part of the industrial estate access road, which runs east to west immediately to the south of the development site and provides access to the existing Ron Skinner & Sons car dealership.
- 1.1.5 Merthyr Road is connected to the Tafarnaubach estate road via a grade separated roundabout located at the southwestern corner of the proposed development site. The extent of the proposed development site location is shown in **Figure 1.2**.



Figure 1.2 Site Location and Extent

- 1.1.6 The proposed development site consists of a parcel of land that is lower than the surrounding area and the adjacent industrial estate roads. It is intended that the site will be brought up to the level of the adjacent road network, with spoil from the ongoing A465 Heads of The Valleys Road improvements.
- 1.1.7 This will facilitate the safe and easy movement of traffic to/from the proposed development site as well as provide an opportunity to improve internal arrangements and movements within the site.

2 Site Access Arrangements

2.1.1 The primary access into the site is off the Tafarnaubach Industrial Estate access road and will make use of the existing site access junction. This access is to be improved in terms of size and radius in conjunction with the proposed levelling up of the site and has been designed to accommodate all of the proposed vehicles to use the site, including car transporters.

2.1.2 Asbri Transport have produced a concept plan for the site as shown in **Figure 2.1** and in **Appendix A**.

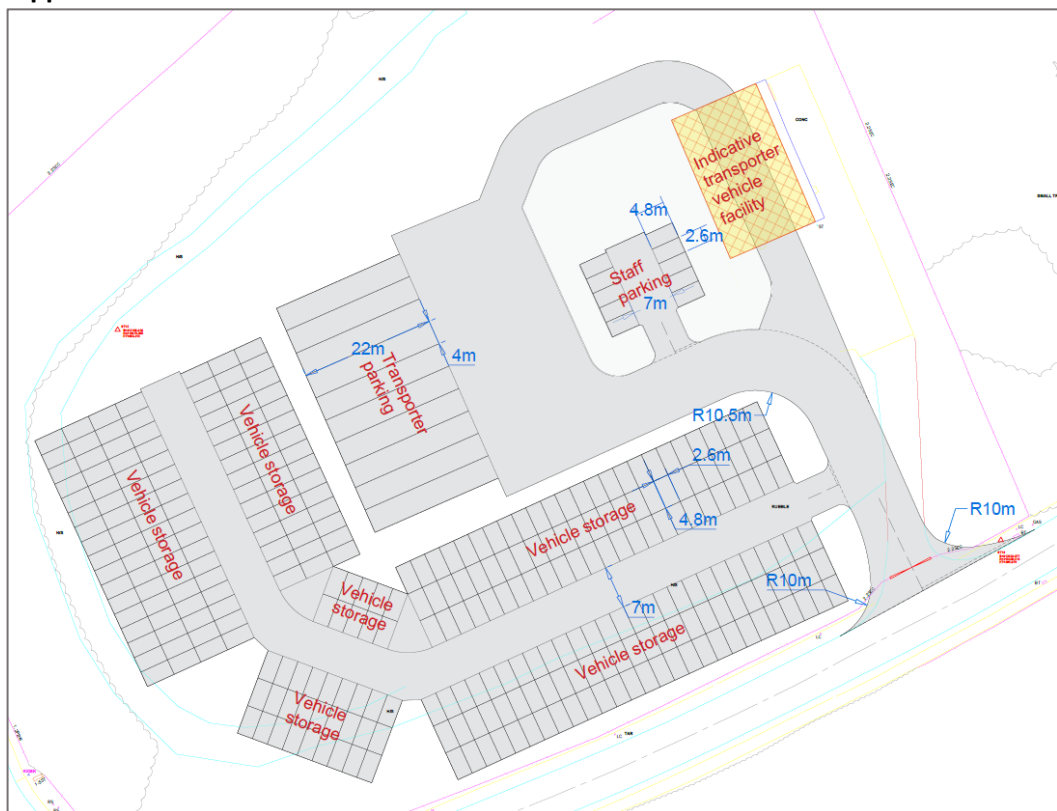


Figure 2.1 Proposed site plan

2.1.3 The proposed design comprises of the following;

- Proposed access improvements increasing junction radius to 10m, accommodating car transporter vehicles.
- 10 x staff parking car parking bays (2.6m x 4.8m)
- 10 x car transporter parking bays (4m x 22m)
- 306 x vehicle storage bays for car sales (2.6m x 4.8m)

- Indicative transporter vehicle facility (to accommodate servicing and maintenance of transporter vehicles)

2.1.4 Swept path analysis has been undertaken of the site access and proposed internal layout for both staff parking and car transporter parking bays. In addition an indicative location for a potential car transporter vehicle servicing and maintenance facility has been shown with the flexibility of operating in one direction, whether clockwise and anti-clockwise, dependent upon future design and operational requirements.

2.1.5 All swept path analysis drawings for the site layout are shown in **Appendix B**.

2.1.6 All vehicles intended to use the site will be able to enter/exit in forward gear, manoeuvring to turn within the site boundary. It is also evidenced that car transporter bays are able to be accessed in entering in both forward gear and reverse.

3 Conclusion

3.1.1 Asbri Transport Limited has been appointed by Ron Skinner to produce an access design and site layout in support of an application for permission for the proposed development of a car sales storage and car transport storage, servicing and maintenance facility at Unit 6 Tafarnaubach Industrial Estate, Tredegar.

3.1.2 This document has outlined the proposed site layout and access design proposals. It is concluded through swept path analysis that all vehicles intended to use the site will be able to enter/exit in forward gear, manoeuvring to turn within the site boundary.

Appendices

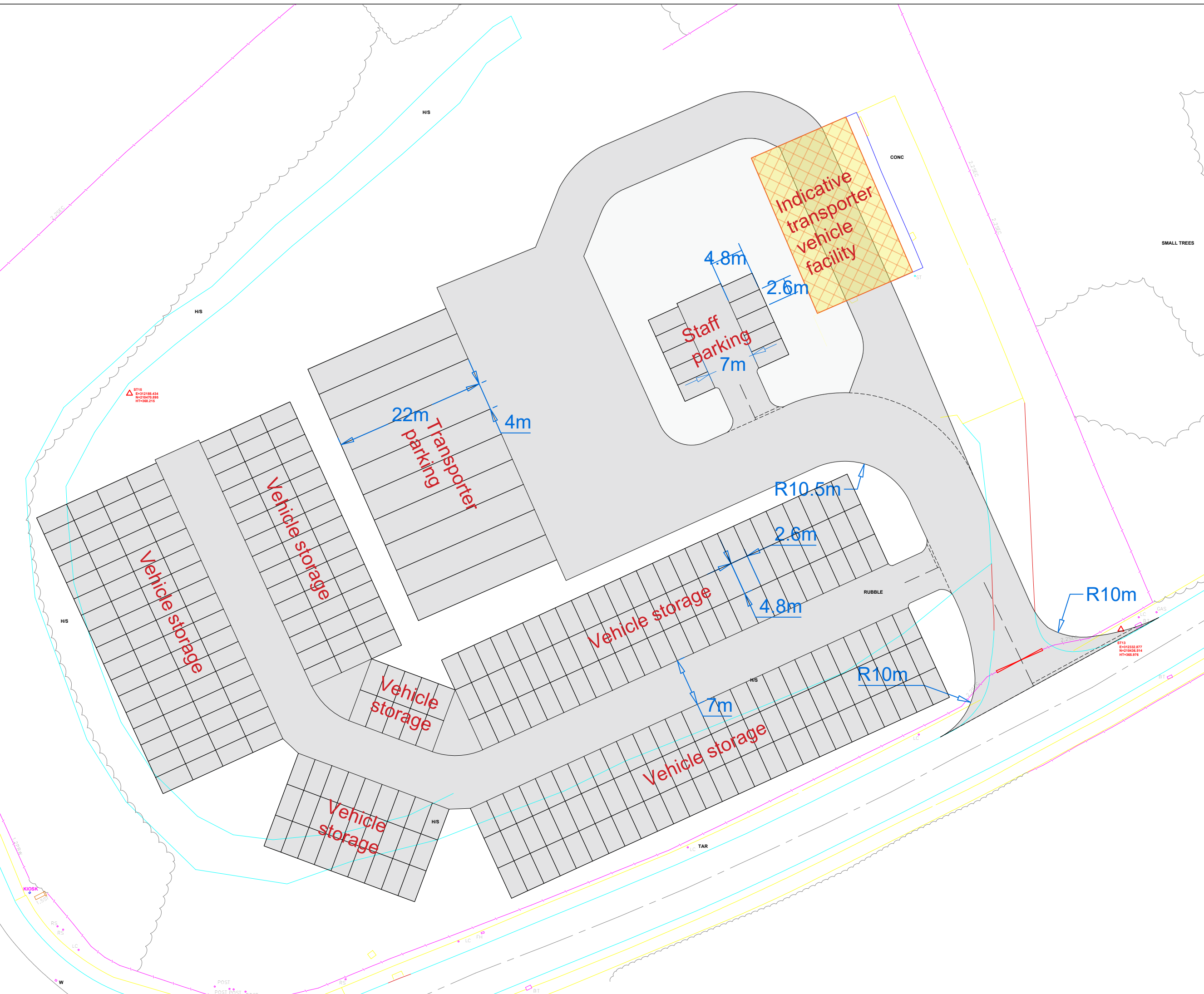
Appendix A

Drawing Title
**Access design & car
 parking layout**

Job No
T23.151
 Job Title
Unit 6 Tafarnaubach IE
 Client
Ron Skinner & Sons

Scale 1:1
 Designed by KEW
 Drawn by KEW
 Approved by WD
 Date 1st issued 26/10/23
 Document ref. no T23.151 Access & layout Rev B
 Revision no B

Revision History			
Rev	Date	Amendment	Editor
A	30/10/23	Site layout revisions	KEW
B	19/09/24	Site layout revisions	KEW



Appendix B

Drawing Title
**Access design & car
 parking layout
 Swept path analysis
 Car transporter**

Job No
T23.151

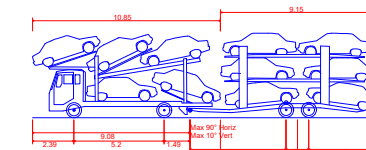
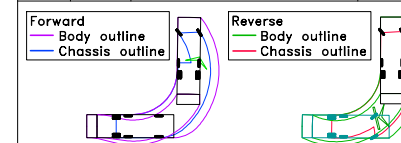
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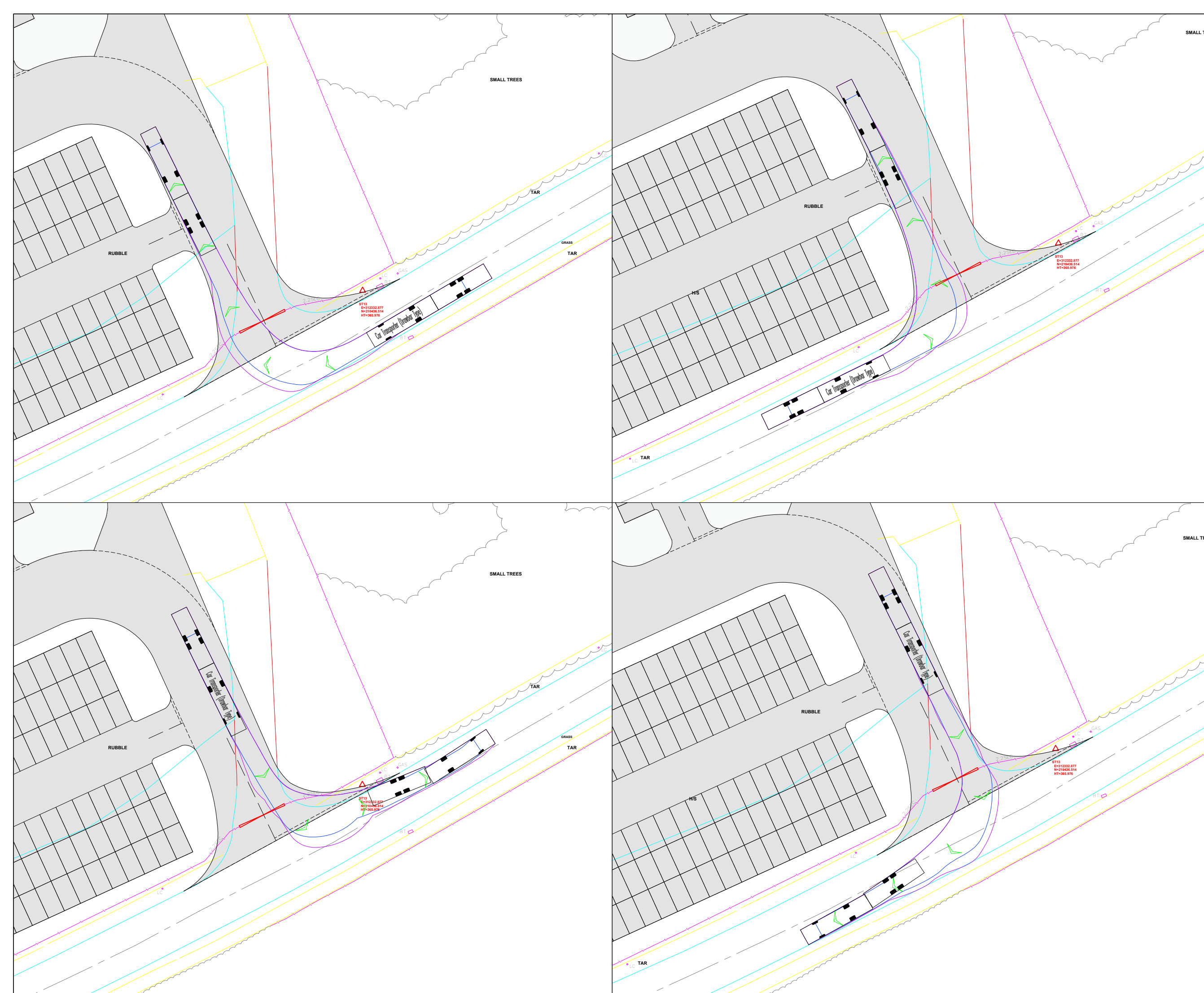
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Revision History

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A	30/10/23	Site layout revisions	KEW
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Car Transporter (Drawbar Type)
 Overall Length 20.000m
 Overall Width 2.500m
 Overall Body Height 4.884m
 Min Body Ground Clearance 0.185m
 Max Track Width 2.500m
 Lock to lock time 6.00s
 Wall to Wall Turning Radius 10.500m



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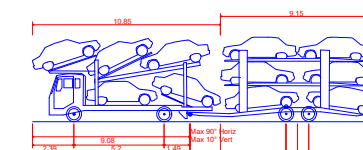
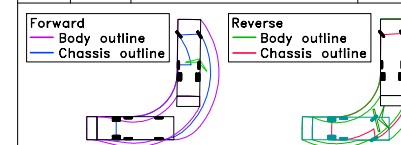
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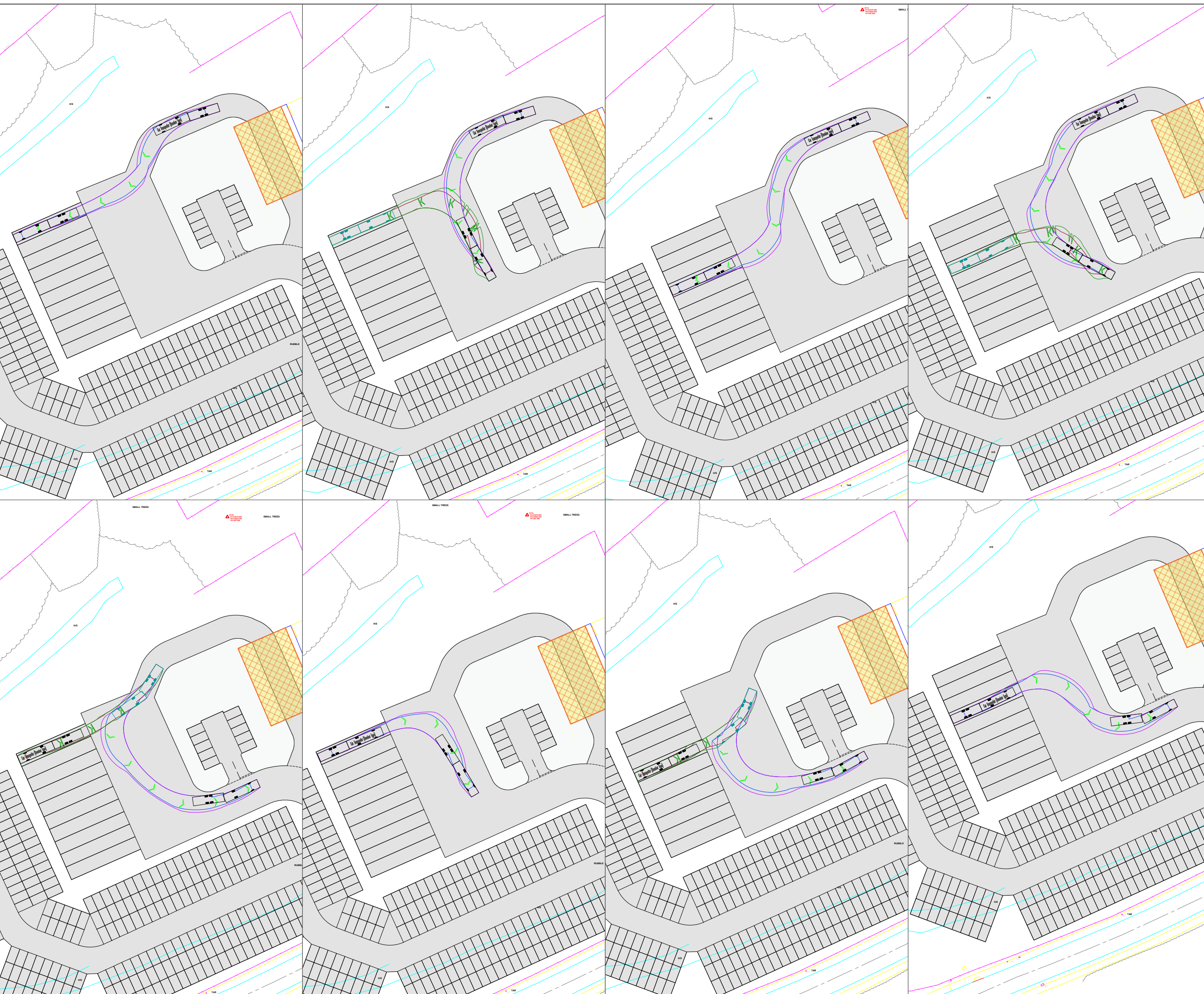
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Car Transporter (Drawbar Type)

Overall Length	20.000m
Overall Width	2.500m
Overall Body Height	4.854m
Min Body Ground Clearance	0.185m
Max Track Width	2.500m
Lock to lock time	6.00s
Wall to Wall Turning Radius	10.500m



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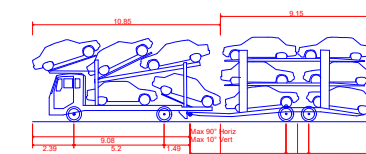
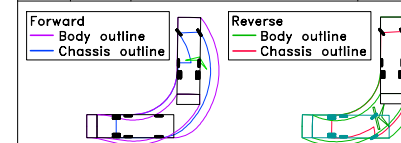
T23.151 Access & layout Rev B

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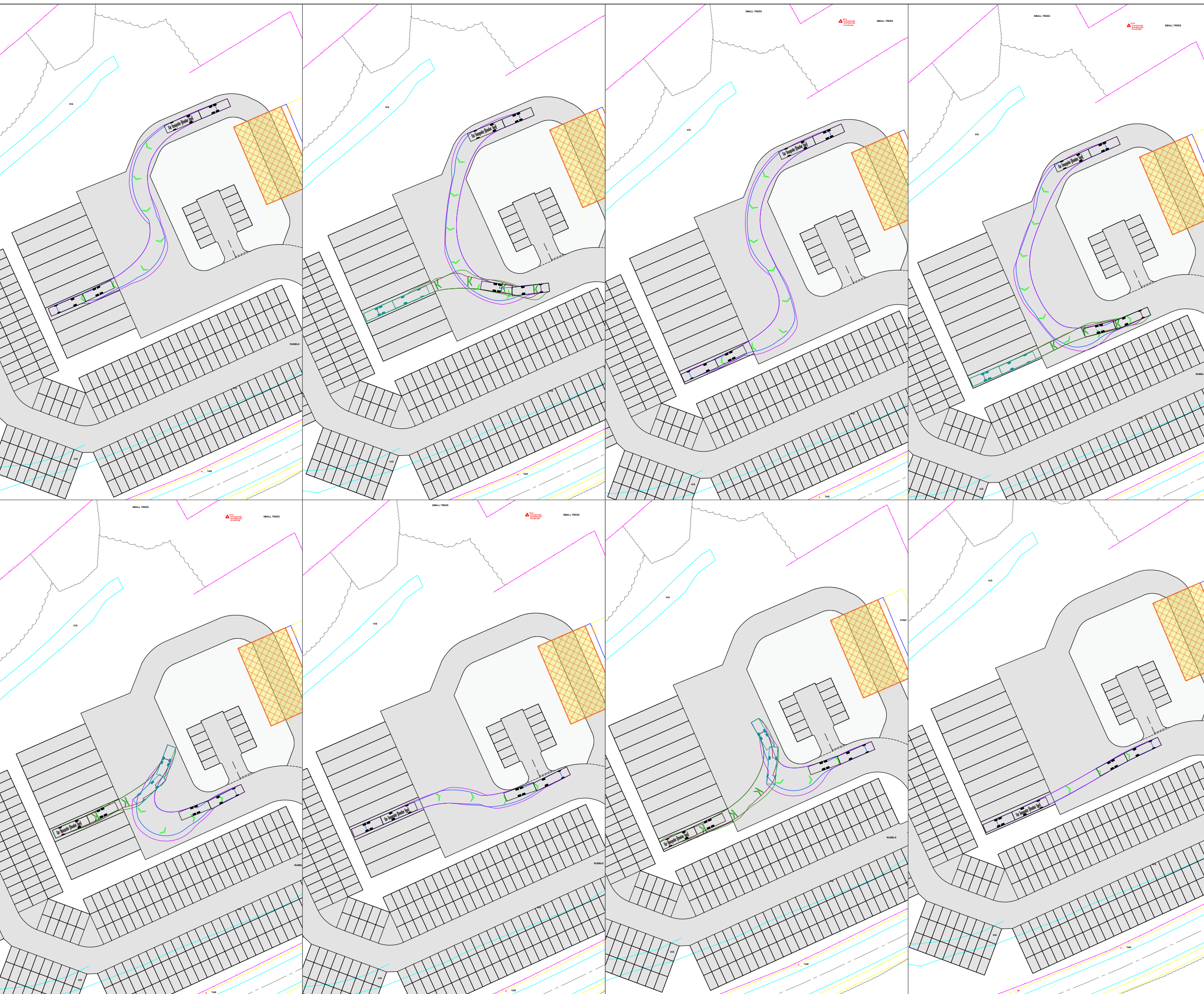
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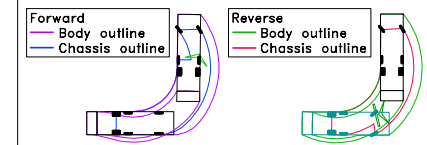
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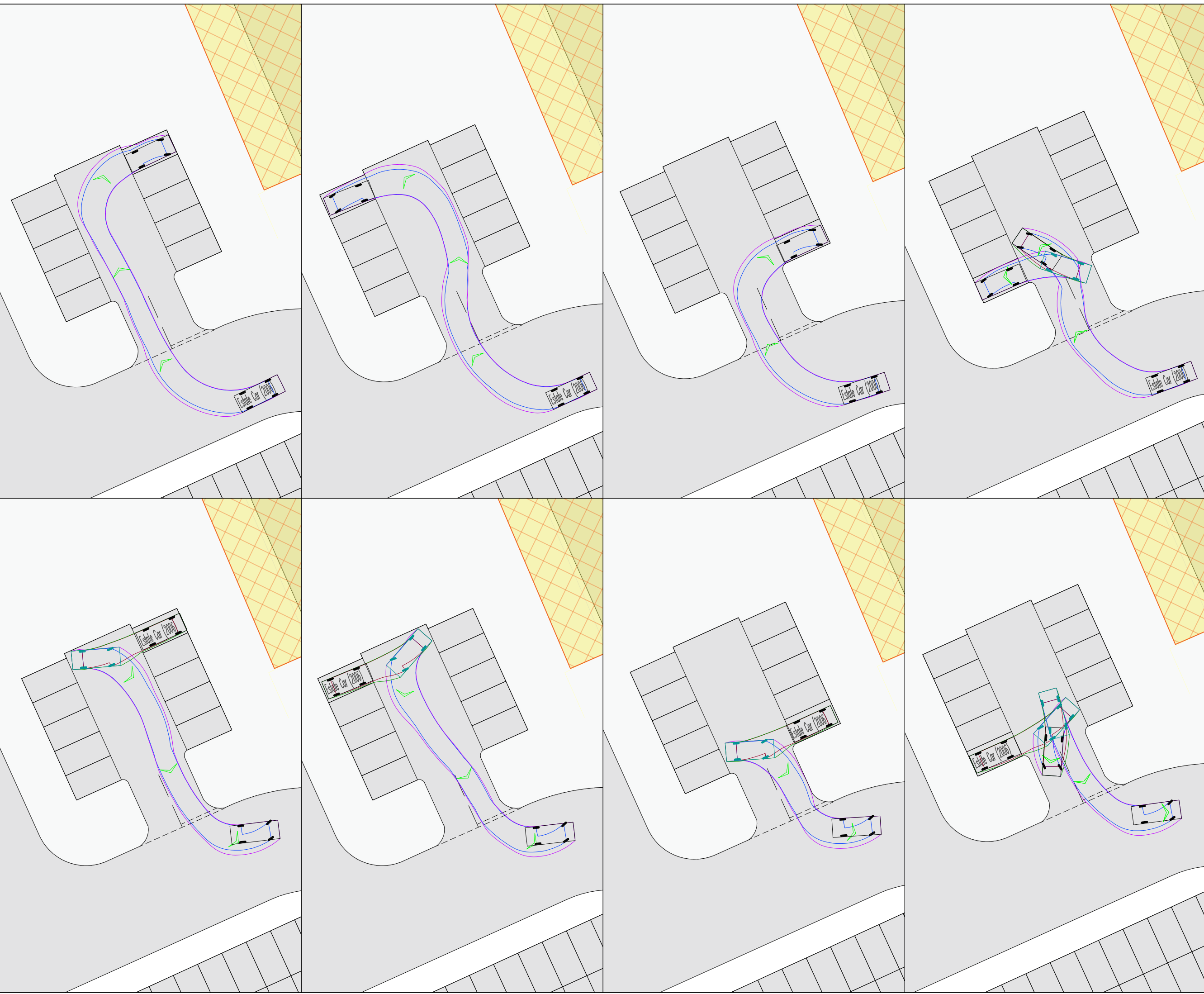
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Estate Car (2006)
 Overall Length 4.710m
 Overall Width 1.804m
 Overall Body Height 1.442m
 Min Body Ground Clearance 0.207m
 Max Track Width 1.756m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.950m



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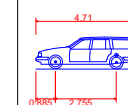
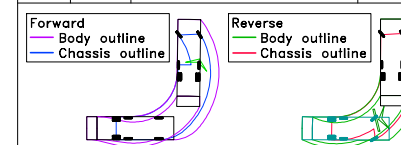
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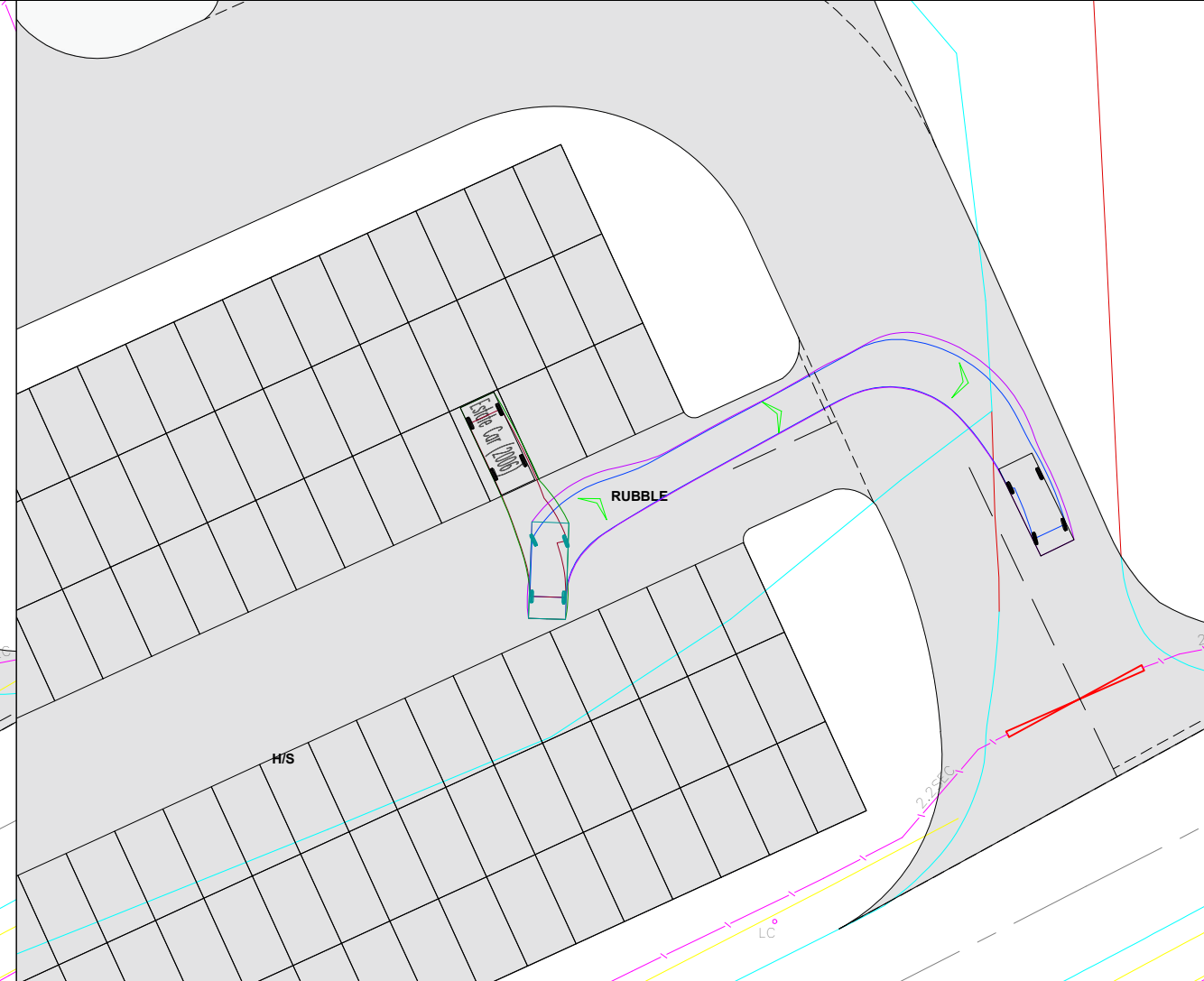
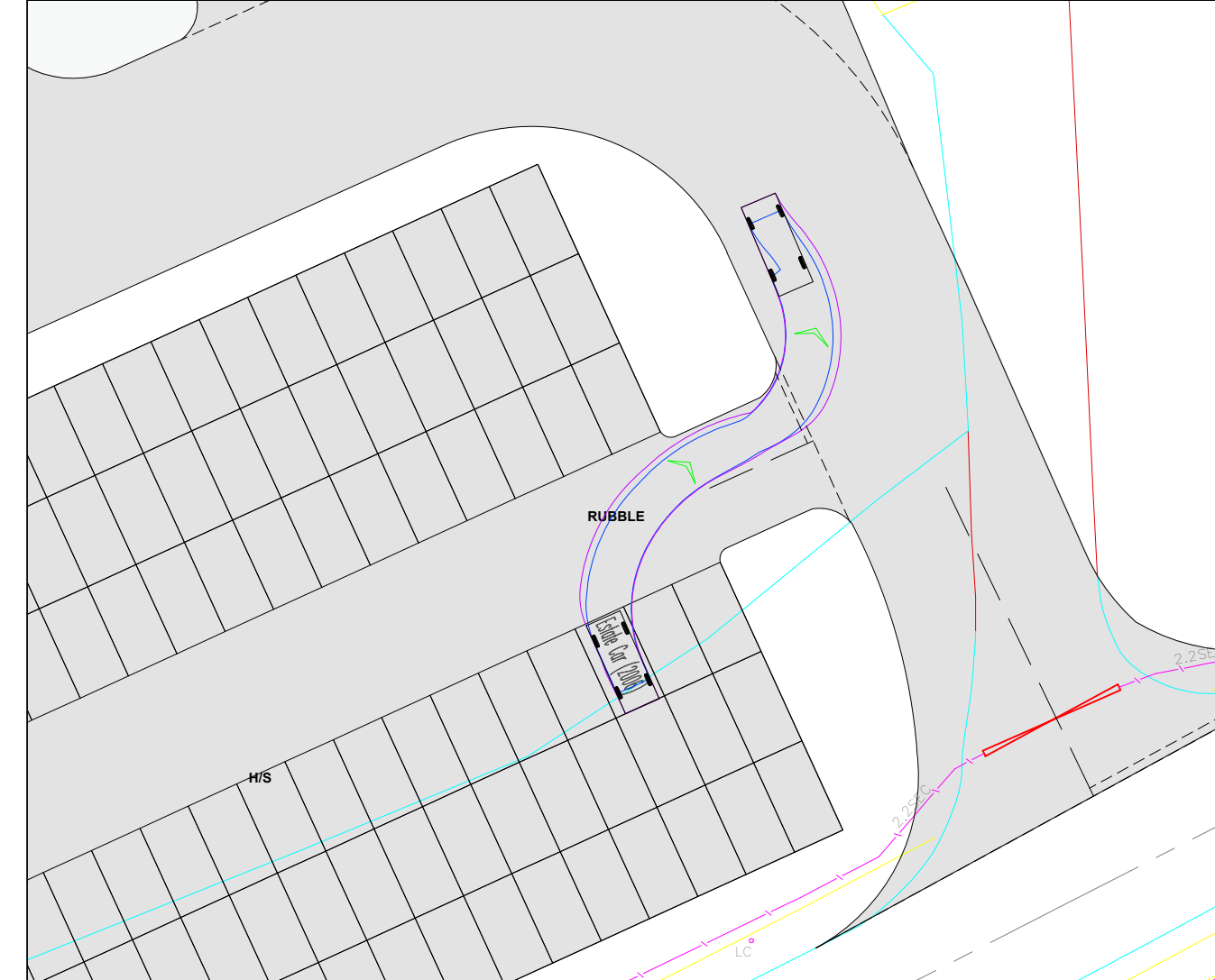
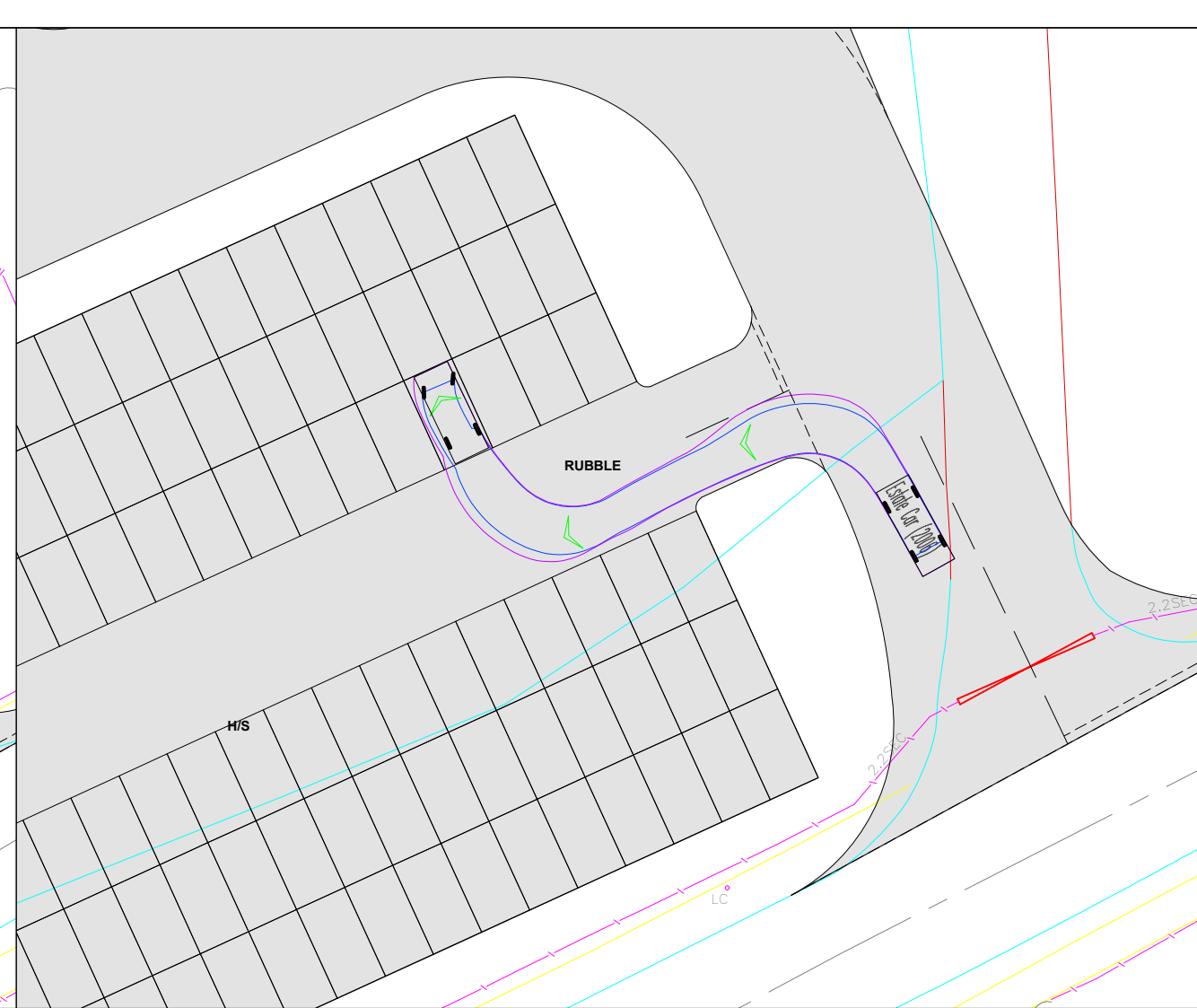
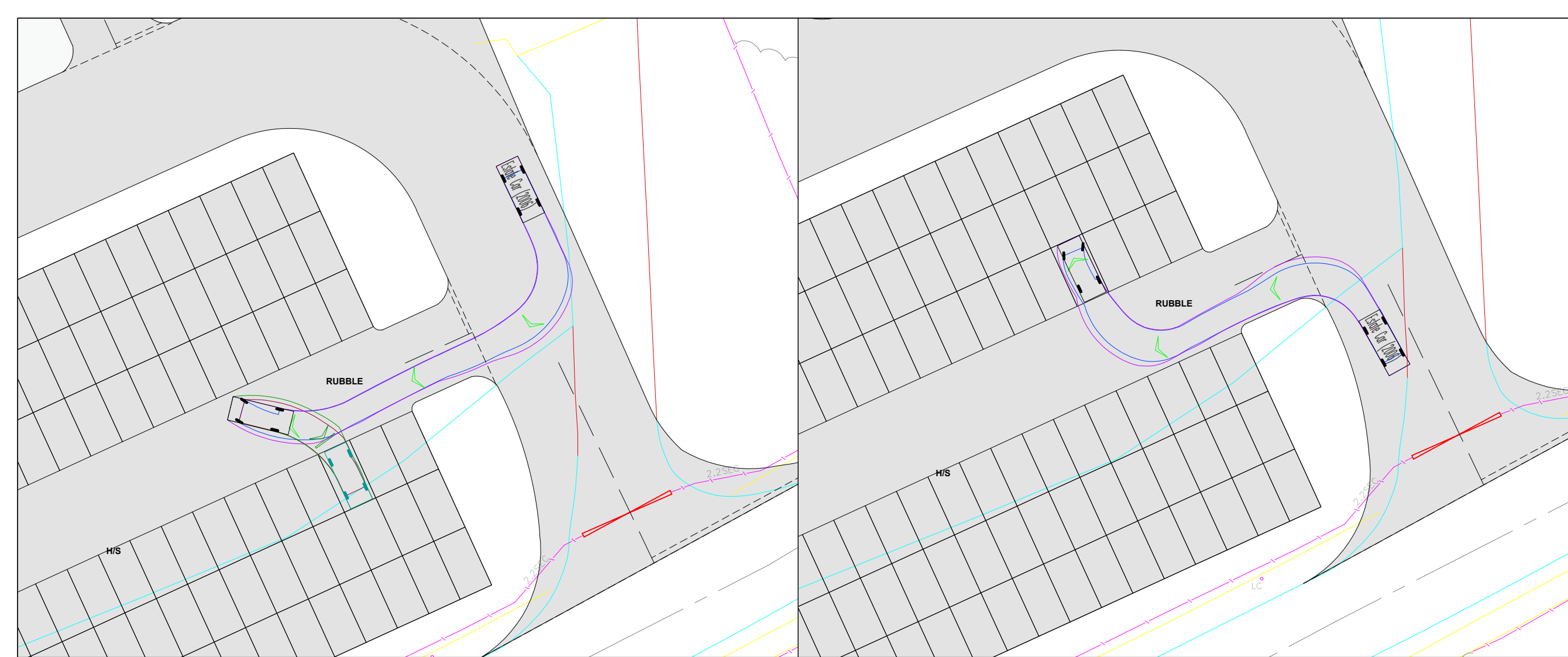
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parking layout
Swept path analysis
Car transporter**

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T23.151

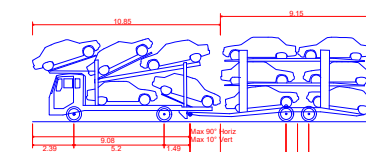
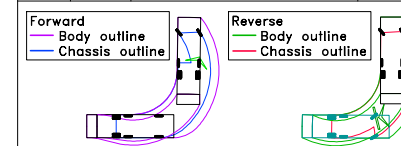
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