

appendix 12

tracking curves

AP12 introduction

AP12.i This appendix specifies all requirements relating to tracking curves.

AP12.1 clearances additional to tracking curves

AP12.1.i A clearance factor is to be added onto the 85 percentile tracking curves as an allowance for driver unfamiliarity, vehicle steering variation, manoeuvring past obstacles and variations in approach manoeuvring in accordance with the standards below.

AP12.1.ii For residential activities a minimum clearance of 300mm must be applied to both sides of the 85 percentile car tracking curve of this design vehicle for any part of the vehicle manoeuvre except:

- a) any manoeuvre within a parking space, or
- b) any manoeuvre through an opening to a parking space (such as garage doors), or
- c) any part of a manoeuvre not involving horizontal turns or changes in direction.

AP12.1.iii For other than residential activities using the 85 percentile car tracking curve a minimum clearance of 600mm must be applied to both sides of the 85 percentile tracking curve of this design vehicle for any part of the vehicle manoeuvre except:

- a) any manoeuvre within a parking space, or
- b) any manoeuvre through an opening to an outdoor parking space, or
- c) any part of a manoeuvre not involving horizontal turns or changes in direction.

For the avoidance of doubt, the 600mm clearance factor is required for any part of a manoeuvre through an entrance or exit of a building or enclosed area.

AP12.1.iv For other than residential activities using the tracking curves other than the 85 percentile car tracking curve a minimum clearance of 600mm must be applied to both sides of the 85 percentile tracking curve of the particular design vehicle for any part of the vehicle manoeuvre except:

- a) any manoeuvre within a parking space, or
- b) any manoeuvre through an opening to an outdoor parking space

For the avoidance of doubt, the 600mm clearance factor is required for any part of a manoeuvre through an entrance or exit of a building or enclosed area.

AP12.1.v Obstructions to tracking curve clearances:

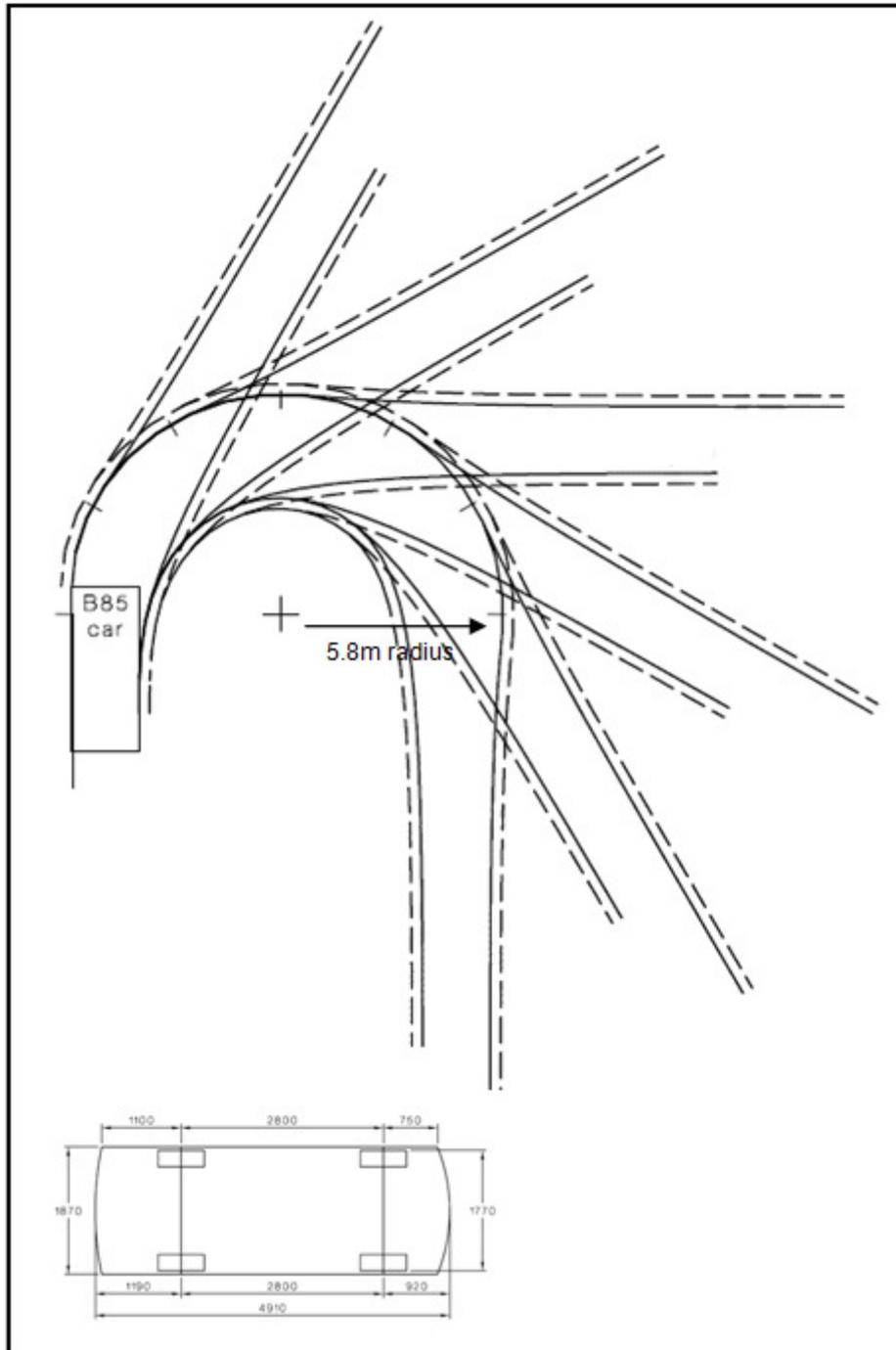
no structure, object, building or part of a building shall obstruct the minimum clearance from the ground level or finished floor level if within a building, up to a height of:

- a) 2.3m in the case of a 85 percentile car tracking manoeuvre, or
- b) 4.4m (minimum) in the case of any other vehicle manoeuvre.

AP12.2 85 percentile car - tracking curves

AP12.2.i Minimum required clearance, refer to rules under AP12.1 (clearances additional to tracking curves).

Figure 1: car tracking curves for 85 percentile

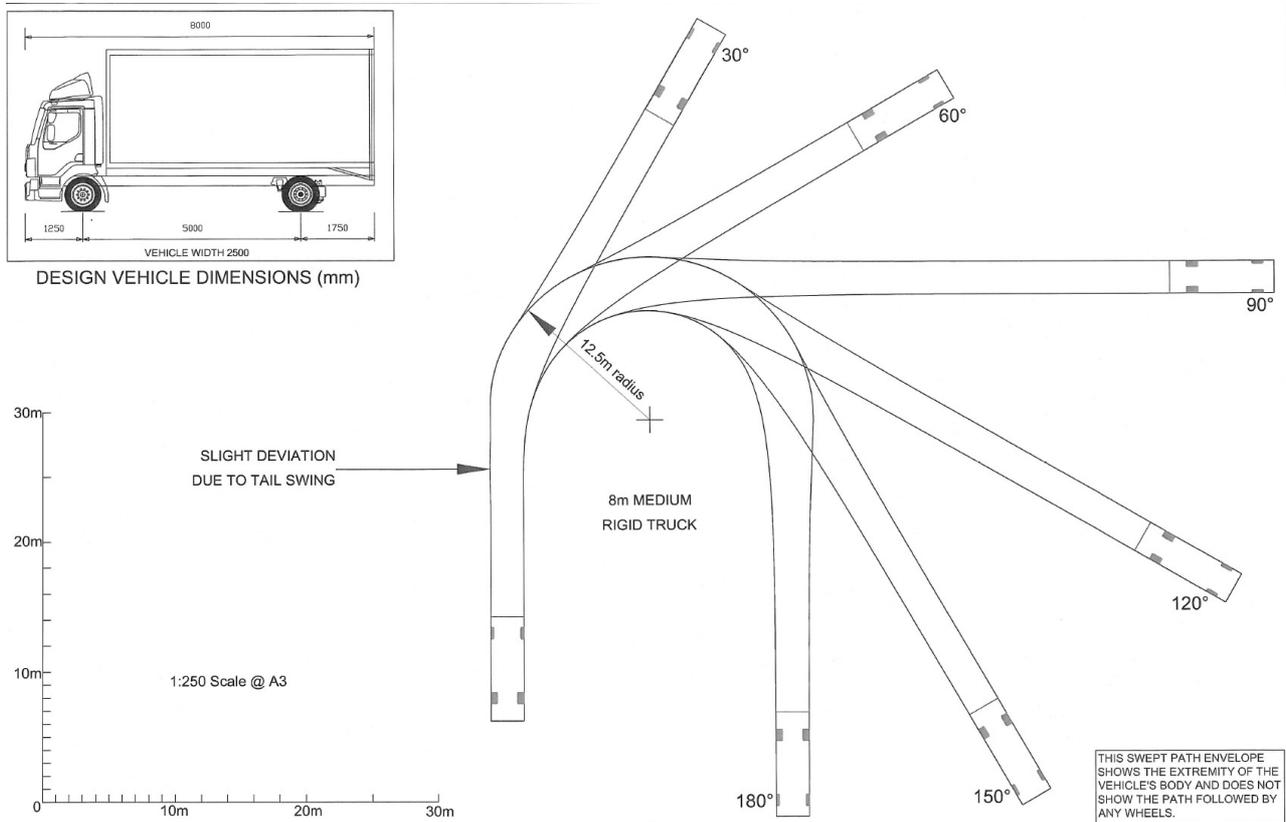


Note: Not to scale.
Car dimensions and turning curves are as per AS/NZS 2890.1:2004 Parking Facilities

AP12.3 85 percentile two axle truck - tracking curves

AP12.3.i Minimum required clearance, refer to rules under AP12.1.

Figure 2: two axle truck tracking curves

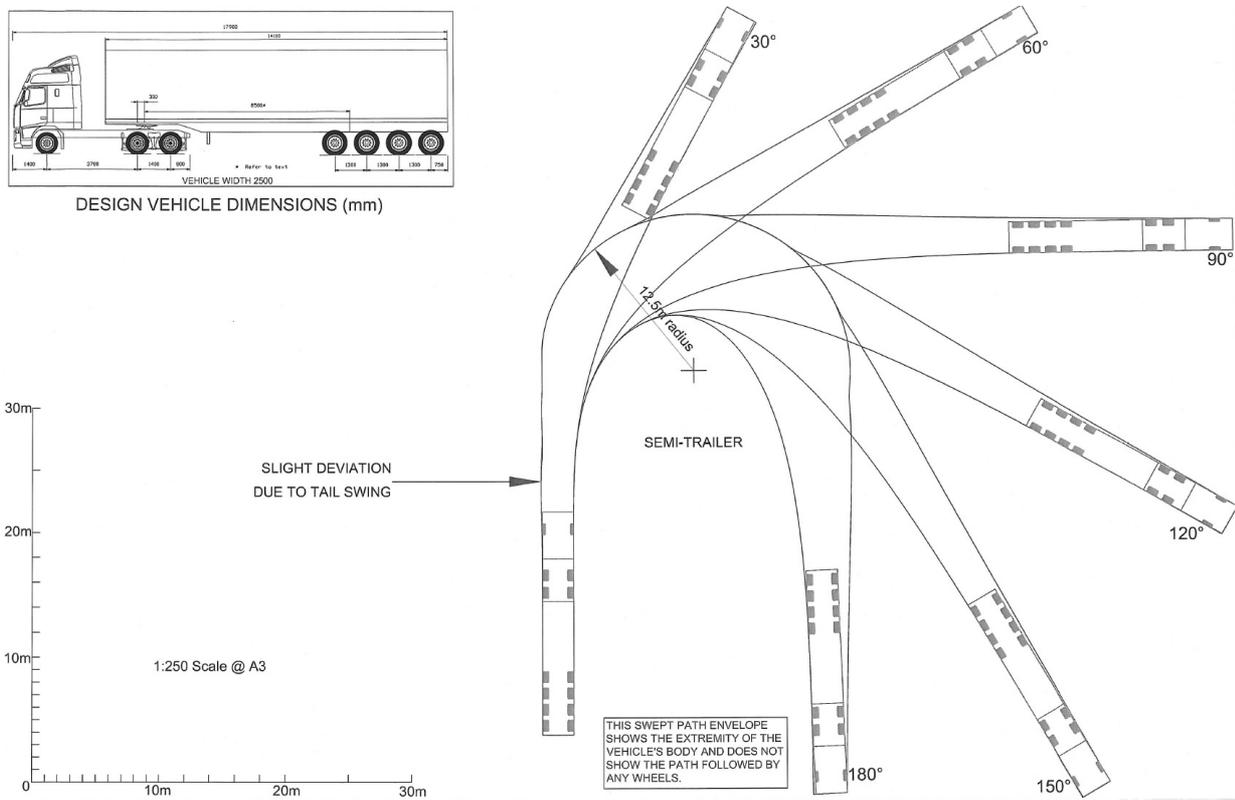


Reference: NZ Transport Agency RTS18

AP12.4 85 percentile semi-trailer - tracking curves

AP12.4.i Minimum required clearance refer to rules under AP12.1

Figure 3: semi-trailer - tracking curves

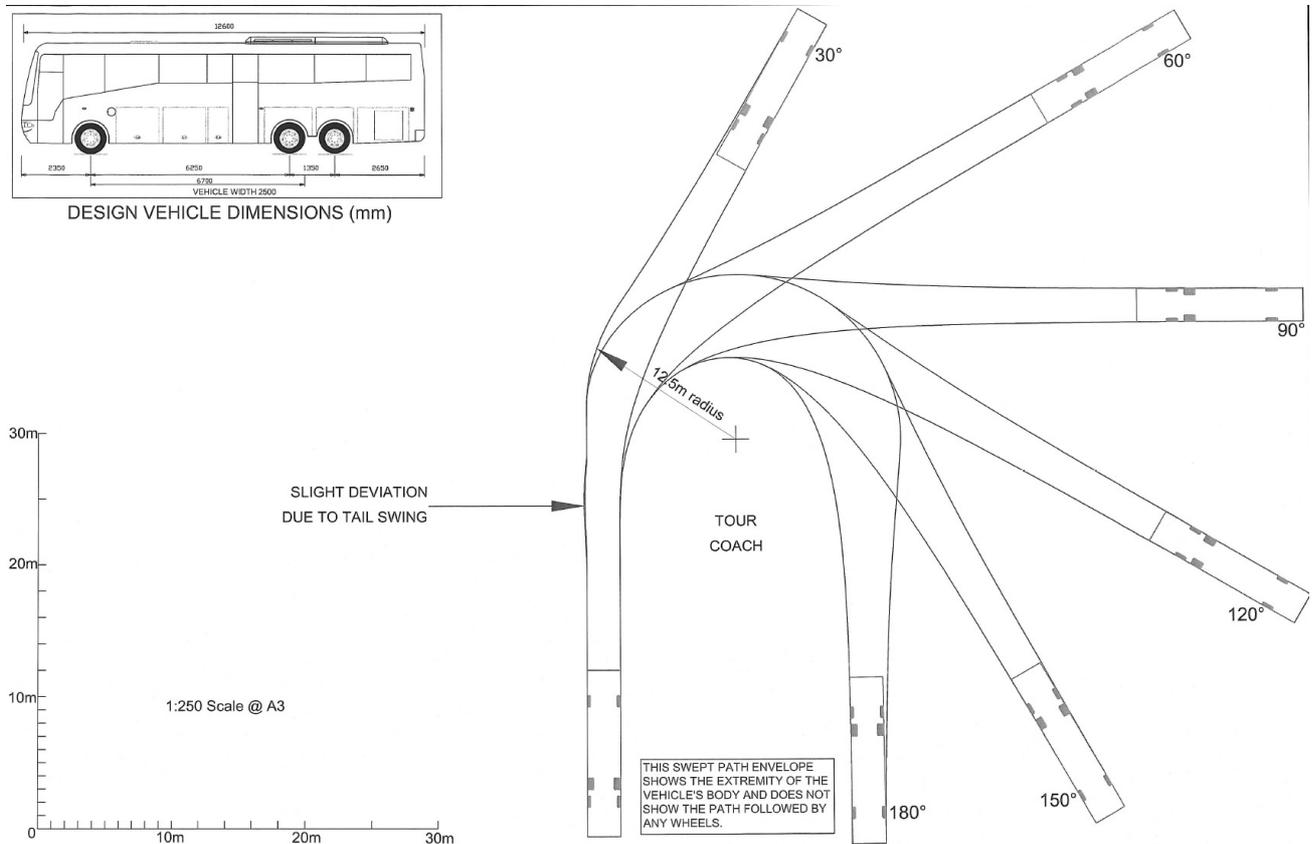


Reference: NZ Transport Agency RTS18

AP12.5 85 percentile tour coach tracking curve

AP12.5.i Minimum required clearance refer to rules under AP12.1

Figure 4: tour coach tracking curve



Reference: NZ Transport Agency RTS18

AP12.6 Assessment criteria for resource consents

AP12.6.i General

In considering resource consents for land use activities, in addition to the applicable provisions of the Act, the Council shall apply the relevant assessment criteria listed in Appendix 10 (standards and terms for parking and loading).