

## **E27. Transport**

### **E27.1. Background**

To support and manage the effects on the operation and development of an integrated transport network, this section:

- addresses the management of the location, number and design of parking, loading and access;
- provides for public transport facilities and walking and cycling facilities which may be located outside the road network (which is covered in Section E26 Infrastructure); and
- identifies the need to manage the effects of high trip generating activities.

The term 'transport system' encompasses both the physical infrastructure of the transport network and the wider environment or factors which can influence the operation of transport e.g. transport users and their behaviours. For the purpose of these transport provisions, the term 'transport network' is used in the context of managing effects or impacts on the operation of the 'transport network' as a physical resource. The transport network comprises the physical infrastructure or conduit along which transport modes move or travel along and this is made up of a series of links (where a sequence of continuous links form a route) and nodes which in totality form a network. The transport network also comprises a series of sub-networks or types which generally relate to a particular mode of travel or type of movement e.g. public transport network, freight network and walking and cycling networks. In regard to public transport networks, the network can also include the supporting services which utilise the physical network.

The current predominance of private vehicle travel and the accompanying requirements for parking is recognised in terms of both the positive and adverse effects associated with accommodating these parking requirements.

Parking is an essential component of Auckland's transport network and the management of parking can have major implications for the convenience, economic viability, design and layout of an area and the function of the transport network. It is important that parking is managed and provided in a manner that supports urban amenity, efficient use of land and the functional requirements of activities. The requirements for parking can reflect the trip characteristics of a range of activities at different locations that occur at different times. It can also be managed to have a significant influence on reducing car use, particularly for commuter travel. This in turn reduces the growth in traffic, particularly during peak periods, and when supported by the provision of other transport modes achieves a more sustainable transport network. The management of parking supply includes a region-wide approach to regulating the amount of parking to support different activities (accessory parking). This regulation generally occurs by requiring parking (minimums) or limiting parking (maximums) or a combination of these approaches. Any controls on parking should reflect the needs of land use and the wider transport system.

The overall purpose of limiting parking through maximums is to manage potential parking oversupply and in turn reduce traffic congestion and provide opportunities to improve

amenity in areas earmarked for intensification. Maximum parking rates have been set at a level which appropriately provides for the management on-site parking demands.

Requiring on-site parking through minimums has generally been used to manage the effects of parking (e.g. spill-over effects) associated with development. Accommodating growth in areas where land is scarce and a highly valued resource requires reconsideration of the use, and benefits and costs of requiring parking. The planning framework to facilitate this growth includes managing parking minimums and recognising situations where removing the requirement to provide parking will have direct land use benefits in regard to reducing development costs, improving housing affordability, optimising investment in parking facilities and supporting the use of public transport.

The approach to parking provided with an activity or development is outlined below:

- there is no requirement for activities or development to provide parking in the following zones and locations:
  - the Business – City Centre Zone; and
  - Centre Fringe Office Control as shown on the planning maps for office activities; and
  - Business – Metropolitan Centre Zone; Business – Town Centre Zone, Business – Local Centre Zone and Business – Mixed Use Zone (with the exception of identified non-urban town and local centres

instead, a maximum limit has been set on the amount of parking that can be provided on a site in these areas;

- there is no requirement or limit for activities or development excluding office to provide parking in the following zones and locations:
  - Centre Fringe Office Control as shown on the planning maps;
  - Residential – Terrace Housing and Apartment Buildings Zone; and
  - Residential – Mixed Housing Urban Zone (for studio and one-bedroom dwellings)

this approach supports intensification and public transport and recognises that for most of these areas, access to the public transport network will provide an alternative means of travel to private vehicles;

- in all other areas, a minimum level of parking is required to accompany any activity or development. A maximum limit is set on the amount of parking that can be provided for offices.

Standalone parking (non-accessory) facilities are provided for and will be individually assessed. This includes park-and-ride and other facilities that support public transport. Parking (non-accessory) may be appropriate to facilitate rationalisation of centre based parking resources to support activities in the centre and improve urban design outcomes.

<sup>1</sup> [ENV-2016-000191: The National Trading Company of New Zealand Limited]

<sup>2</sup> [ENV-2016-000192: Kiwi Property Group Limited and Kiwi Property Holdings Limited]

<sup>3</sup> [ENV-2016-000201 Progressive Enterprises Ltd]

<sup>4</sup> [ENV-2016-000243: K Vernon]

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To support walking and cycling, new buildings and developments are required to provide cycle parking as well as end-of-trip facilities. Off-road pedestrian and cycling facilities are also provided for to complement facilities located in the road network.

This section also addresses loading, the design of parking and loading, access from activities and developments to the road, and access around road/rail level crossings. These provisions support the movement of people, goods and services across the region.

Activities or subdivision which generate higher amounts of traffic, and which seek to locate outside of the most intensive centres and residential zones, are required to demonstrate how the proposal would integrate with the transport network. This includes managing the transport impacts of the proposal on the effective, efficient and safe operation of the local transport network.

### **E27.2. Objectives**

- (1) Land use and all modes of transport are integrated in a manner that enables:
  - (a) the benefits of an integrated transport network to be realised; and
  - (b) the adverse effects of traffic generation on the transport network to be managed.
- (2) An integrated transport network including public transport, walking, cycling, private vehicles and freight, is provided for.
- (3) Parking and loading supports urban growth and the quality compact urban form.
- (4) The provision of safe and efficient parking, loading and access is commensurate with the character, scale and intensity of the zone.
- (5) Pedestrian safety and amenity along public footpaths is prioritised.
- (6) Road/rail crossings operate safely with neighbouring land use and development.

### **E27.3. Policies**

- (1) Require subdivision, use and development which:
  - (a) generate trips resulting in potentially more than minor adverse effects on the safe, efficient and effective operation of the transport network;
  - (b) are proposed outside of the following zones:
    - (i) the Business – City Centre Zone, Business – Metropolitan Centre Zone, Business – Town Centre Zone;
    - (ii) Residential – Terrace Housing and Apartment Buildings Zone;
    - (iii) the Centre Fringe Office Control as shown on the planning maps; or

- (c) do not already require an integrated transport assessment or have been approved based on an integrated transport assessment

to manage adverse effects on and integrate with the transport network by measures such as travel planning, providing alternatives to private vehicle trips, staging development or undertaking improvements to the local transport network.

- (2) Require major proposals for discretionary consent to prepare an integrated transport assessment including provision for pedestrians, cyclists, public transport users, freight and motorists.

### *Parking*

- (3) Manage the number, location and type of parking and loading spaces, including bicycle parking and associated end-of-trip facilities to support all of the following:
  - (a) the safe, efficient and effective operation of the transport network;
  - (b) the use of more sustainable transport options including public transport, cycling and walking;
  - (c) the functional and operational requirements of activities;
  - (d) the efficient use of land;
  - (e) the recognition of different activities having different trip characteristics; and
  - (f) the efficient use of on-street parking.
- (4) Limit the supply of on-site parking in the Business – City Centre Zone to support the planned growth and intensification and recognise the existing and future accessibility of this location to public transport, and support walking and cycling.
- (5) Limit the supply of on-site parking for office development in all locations to:
  - (a) minimise the growth of private vehicle trips by commuters travelling during peak periods; and
  - (b) support larger-scale office developments in the Business – City Centre Zone, Centre Fringe Office Control area, Business – Metropolitan Centre Zone, Business – Town Centre Zone and Business – Business Park Zone.

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- (6) Limiting the supply of on-site parking for subdivision, use and development in the Business – Metropolitan Centre Zone, Business – Town Centre Zone, Business – Local Centre Zone and Business – Mixed Use Zone (with the exception of non-urban town and local centres).

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- (7) Provide for flexible on-site parking by not limiting or requiring parking for subdivision, use and development (excluding office) in the Centre Fringe Office Control area, Residential – Terrace Housing and Apartment Buildings Zone and Residential – Mixed Housing Urban Zone (studio and one bedroom dwellings).
- (8) Require all other subdivision, use and development to provide a minimum level of on-site parking in recognition of the more limited alternatives to private vehicle travel unless it can be demonstrated that a lesser amount of on-site parking is needed for a particular site or proposal or the provision of on-site parking would be inconsistent with the protection of Historic Heritage or Special Character overlays.
- (9) Provide for flexible approaches to parking, which use land and parking spaces more efficiently, and reduce incremental and individual parking provision.
- (10) Provide for non-accessory parking where:
  - (a) the proposal and the type of parking will reinforce the efficient use of land or planned growth and intensification provided for in this plan for the site or locality; and
  - (b) there is an undersupply or projected undersupply of parking to service the area having regard to all of the following:
    - (i) the efficient use of land to rationalise or consolidate parking resources in centres;
    - (ii) the availability of alternative transport modes, particularly access to the existing and planned public transport;
    - (iii) the type of parking proposed;
    - (iv) existing parking survey information; and
    - (v) the type of activities in the surrounding area and their trip characteristics.
- (11) Discourage the development of long-term non-accessory parking in the Business – City Centre Zone and the Centre Fringe Office Control as shown on the planning maps to:
  - (a) recognise and support the high level of accessibility these areas have to the public transport; and
  - (b) minimise the growth in private vehicle trips by commuters during peak periods.
- (12) Control the development of long-term non-accessory parking in the Business – Metropolitan Centre Zone, Business – Town Centre Zone, Business – Local

Centre Zone and in the Business – Mixed Use Zone so that the parking does not undermine:

- (a) the efficient use of land or growth and intensification provided for in this plan for the site or locality; and
  - (b) the use of public transport in these zones.
- (13) Provide for park-and-ride and public transport facilities which are located and designed to support the public transport network by:
- (a) locating in proximity to public transport stations, stops and terminals;
  - (b) growing public transport patronage to assist in relieving congested corridors by encouraging commuters to shift to public transport;
  - (c) making public transport easier and more convenient to use, thereby attracting new users;
  - (d) improving the operational efficiency of the public transport network;
  - (e) extending the catchment for public transport into areas of demand where it is not cost-effective to provide traditional services or feeders;
  - (f) reinforcing existing and future investments on the public transport network; and
  - (g) providing free, secure and covered parking for bicycles.
- (14) Support increased cycling and walking by:
- (a) requiring larger developments to provide bicycle parking;
  - (b) requiring end-of-trip facilities, such as showers and changing facilities, to be included in office, educational and hospital developments with high employee or student numbers; and
  - (c) providing for off-road pedestrian and bicycle facilities to complement facilities located within the road network.

#### *Loading*

- (15) Require access to loading facilities to support activities and minimise disruption on the adjacent transport network.
- (16) Provide for on-site or alternative loading arrangements, including on-street loading or shared loading areas, particularly in locations where it is desirable to limit access points for reasons of safety, amenity and road operation.

#### *Design of parking and loading*

- (17) Require parking and loading areas to be designed and located to:

- (a) avoid or mitigate adverse effects on the amenity of the streetscape and adjacent sites;
  - (b) provide safe access and egress for vehicles, pedestrians and cyclists;
  - (c) avoid or mitigate potential conflicts between vehicles, pedestrians and cyclists; and
  - (d) in loading areas, provide for the separation of service and other vehicles where practicable having regard to the functional and operational requirements of activities.
- (18) Require parking and loading areas to be designed so that reverse manoeuvring of vehicles onto or off the road does not occur in situations which will compromise:
- (a) the effective, efficient and safe operation of roads, in particular arterial roads;
  - (b) pedestrian safety and amenity, particularly within the centre zones and Business – Mixed Use Zone; and
  - (c) safe and functional access taking into consideration the number of parking spaces served by the access, the length of the driveway and whether the access is subject to a vehicle access restriction.
- (19) Require park-and-ride, non-accessory parking and off-site parking facilities and their access points to:
- (a) be compatible with the planning and design outcomes identified in this plan for the relevant zone;
  - (b) take into account the implementation of any relevant future transport projects or changes to the transport network identified in any statutory document (including the Long Term Plan or Regional Land Transport Plan) where implementation is likely;
  - (c) be accessible, safe and secure for users with safe and attractive pedestrian connections within the facility and to adjacent public footpaths;
  - (d) provide an attractive interface between any buildings, structures or at-grade parking areas and adjacent streets and public open spaces. Depending on location and scale, this may include:
    - (i) maintaining an active frontage through sleeving and/or an interesting appearance through use of architectural treatments so that the facility contributes positively to the pedestrian amenity and to any retail, commercial or residential uses along the road it fronts;
    - (ii) appropriate screening, such as exterior panelling, for any parking building; and

- (iii) planting and other landscaping.
- (e) provide for any buildings to be adapted or readily dismantled for other uses if no longer required for parking. In particular, the floor-to-ceiling height of a parking building at street level should be capable of conversion to other activities provided for in the zone; and
- (f) be managed and operated so that the facility avoids adverse effects on the efficient, effective and safe operation of the transport network including:
  - (i) the safety of pedestrians and cyclists;
  - (ii) amenity for pedestrians;
  - (iii) queuing on the road and conflict at access points to the facility; and
  - (iv) the operation of public transport services and related infrastructure.

#### Access

- (20) Require vehicle crossings and associated access to be designed and located to provide for safe, effective and efficient movement to and from sites and minimise potential conflicts between vehicles, pedestrians, and cyclists on the adjacent road network.
- (21) Restrict or manage vehicle access to and from sites adjacent to intersections, adjacent motorway interchanges, and on arterial roads, so that:
  - (a) the location, number, and design of vehicle crossings and associated access provides for the efficient movement of people and goods on the road network; and
  - (b) any adverse effect on the effective, efficient and safe operation of the motorway interchange and adjacent arterial roads arising from vehicle access adjacent to a motorway interchange is avoided, remedied or mitigated.
- (22) Restrict vehicle access across the Vehicle Access Restriction – General Control as shown on the planning maps within the Business – City Centre Zone to:
  - (a) give high priority to pedestrian movement, safety and amenity along the main pedestrian streets in the Business – City Centre Zone; and
  - (b) provide for continuity of building frontage and associated activities at street level.
- (23) Provide for the continued use of existing vehicle access affected by the Key Retail Frontage Control as shown on the planning maps and Vehicle Access Restriction – General Control in the Business – City Centre Zone where the effects of the activity and use of the vehicle access are the same or similar in character, intensity and scale which existed on 30 September 2013.



- (24) Control alterations to or rationalisation of existing vehicle access affected by the Key Retail Frontage Control and Vehicle Access Restriction – General Control in the Business – City Centre Zone where there is a change in the character, intensity or scale of the activity and use of the existing vehicle access.
- (25) Discourage new vehicle access across the Key Retail Frontage Control in the Business – Metropolitan Centre Zone, Business – Town Centre Zone and Business – Mixed Use Zone to:
- (a) give high priority to pedestrian movement, safety and amenity; and
  - (b) provide for continuity of building frontage and associated activities at street level.
- (26) Limit new vehicle access across the General Commercial Frontage Control as shown on the planning maps in the Business – Metropolitan Centre Zone, Business – Town Centre Zone and Business – Mixed Use Zone to:
- (a) support pedestrian safety and amenity; and
  - (b) provide for continuity of building frontage and associated activities at street level.

*Sightlines to rail level crossings*

- (27) Limit the location of buildings and other visual obstructions within the sightline areas of road/rail level crossings.
- (28) Discourage new road and pedestrian rail level crossings to ensure the safe, effective and efficient operation of the region's rail network.

*Access to rail level crossings*

- (29) Control vehicle access to sites adjacent to all road/rail level crossings to improve safety for road users on the approach to level crossings.

**E27.4. Activity table**

Table E27.4.1 specifies the activity status of land use activities in all zones pursuant to section 9(3) of the Resource Management Act 1991. A site may contain more than one of the listed activities.

These rules do not apply to precincts where there are corresponding transport and traffic provisions in the applicable precinct.

Note 1

All access to the State Highway network (including changes to existing access and subdivision or change in land use utilising an existing access) require the approval of the New Zealand Transport Agency under the Government Rounding Powers Act 1989. This approval is separate and additional to any land use or subdivision consent approval required. Refer to the New Zealand Transport Agency's Auckland Office.

**Table E27.4.1 Activity table**

<b>Activity</b>		<b>Activity status</b>
(A1)	Parking, loading and access which is an accessory activity and complies with the standards for parking, loading and access	P
(A2)	Parking, loading and access which is an accessory activity but which does not comply with the standards for parking, loading and access	RD
(A3)	Any activity or subdivision which exceeds the trip generation standards set out in Standard E27.6.1	RD
(A4)	Use of an existing vehicle crossing (established or consented before 30 September 2013) where a Vehicle Access Restriction applies under Standards E27.6.4.1(1), E27.6.4.1(2) or E27.6.4.1(3) to service existing activities (established or consented before 30 September 2013)	P
(A5)	Construction or use of a vehicle crossing where a Vehicle Access Restriction applies under Standards E27.6.4.1(2) or E27.6.4.1(3)	RD
(A6)	Use of an existing vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(1) to service the establishment of a new activity, a change of activity type, the expansion or intensification of an existing activity or where a building(s) is constructed, or additions to buildings that are not permitted activities in <ul style="list-style-type: none"> <li>• Table H9.4.1 Activity table;</li> <li>• Table H10.4.1 Activity table;</li> <li>• Table H11.4.1 Activity table;</li> <li>• Table H12.4.1 Activity table;</li> <li>• Table H13.4.1 Activity table;</li> <li>• Table H14.4.1 Activity table; or</li> <li>• Table H15.4.1 Activity table.</li> </ul>	RD
(A7)	Construction of a new vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(1) and the establishment of the vehicle crossing is to: <p>(a) relocate and/or amalgamate an existing vehicle crossing or crossings serving the site, that will reduce or otherwise not increase either the number of crossings or width of crossings serving a site; or</p> <p>(b) there is no other means of accessing a site.</p>	RD
(A8)	Construction of a new vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(1) and it is not provided for in this activity table	NC
(A9)	Any building or structure located within an area subject to Level Crossings with Sightlines Control as identified on the planning maps	RD
(A10)	Off-road pedestrian and cycling facilities	P
(A11)	Park-and-ride	RD

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(A12)	Public transport facilities	RD
(A13)	Short-term and long-term non-accessory parking in the following zones: <ul style="list-style-type: none"> <li>• Business – Metropolitan Centre Zone;</li> <li>• Business – Town Centre Zone;</li> <li>• Business – Local Centre Zone; and</li> <li>• Business – Mixed Use Zone.</li> </ul>	RD
(A14)	Short-term non-accessory parking in the Business – City Centre Zone and Centre Fringe Office Control as shown on the planning maps adjoining the Business – City Centre Zone	D
(A15)	Long-term non-accessory parking in these zones and locations: <ul style="list-style-type: none"> <li>• Business – City Centre Zone; and</li> <li>• Centre Fringe Office Control as shown on the planning maps adjoining the Business – City Centre Zone.</li> </ul>	NC
(A16)	Off-site parking	D
(A17)	Construction of new road and pedestrian rail level crossings on the rail network	NC

### **E27.5. Notification**

- (1) Any application for resource consent for the following activities will be considered without public or limited notification or the need to obtain the written approval from affected parties unless the Council decides that special circumstances exist under section 95A(4) of the Resource Management Act 1991:
- (a) E27.4.1(A11) Park-and-ride (exceeding 200 parking spaces); or
  - (b) E27.4.1(A12) Public transport facilities.
- (2) Any application for resource consent for activity that infringes the following standards will be considered without public notification unless the Council decides that special circumstances exist under section 95A(4) of the Resource Management Act 1991:
- (a) Standard E27.6.4.1(2) Vehicle access restrictions; or
  - (b) Standard E27.6.4.1(3) Vehicle access restrictions.
- (3) Any application for resource consent for vehicle access not meeting Standard E27.6.4.1(2) and Standard E27.6.4.1(3) Vehicle access restrictions may be limited notified.
- (4) Any application for resource consent for an activity listed in Table E27.4.1 Activity table and which is not listed in E27.6.5(1), E27.6.5(2) or E27.6.5(3) above will be subject to the normal tests for notification under the relevant sections of the Resource Management Act 1991.

- (5) When deciding who is an affected person in relation to any activity for the purposes of section 95E of the Resource Management Act 1991 the Council will give specific consideration to those persons listed in Rule C1.13(4).

**E27.6. Standards**

All activities in Table E27.4.1 must comply with the following standards.

**E27.6.1. Trip generation**

- (1) Where a proposal (except where excluded in Standard E27.6.1(2)) exceeds one of the following thresholds:
- (a) a new development in Table E27.6.1.1;
  - (b) 100 v/hr (any hour) for activities not specified in Table E27.6.1.1 requiring a controlled or restricted discretionary land use activity consent in the applicable zone where there are no requirements for an assessment of transport or trip generation effects. This standard does not apply to development activities provided for as permitted in the applicable zone; or
  - (c) a proposed subdivision of land which has capacity under this Plan to accommodate more than 100 dwellings
- resource consent for a restricted discretionary activity is required.

**Table E27.6.1.1 New development thresholds**

Activity		New development	
(T1)	Residential	Dwellings	100 dwellings
(T2)		Integrated residential development	500 units
(T3)		Visitor accommodation	100 units
(T4)	Education facilities	Primary	167 students
(T5)		Secondary	333 students
(T6)		Tertiary	500 students
(T7)	Office		5,000 m <sup>2</sup> GFA
(T8)	Retail	Drive through	333 m <sup>2</sup> GFA
(T9)	Industrial activities	Warehousing and storage	20,000 m <sup>2</sup> GFA
(T10)		Other industrial activities	10,000 m <sup>2</sup> GFA

- (2) Standard E27.6.1(1) does not apply where:
- (a) a proposal is located in the Business – City Centre Zone, Business – Metropolitan Centre Zone, Business – Town Centre Zone, or Residential –

Terrace Housing and Apartment Building Zone or Centre Fringe Office Control as shown on the planning maps;

- (b) development is being undertaken in accordance with a consent or provisions approved on the basis of an Integrated Transport Assessment where the land use and the associated trip generation and transport effects are the same or similar in character, intensity and scale to those identified in the previous assessment;
- (c) the activity is permitted in the H7 Open space zones; or
- (d) there are requirements to assess transport, traffic or trip-generation effects for the activity in the applicable zone rules or precinct rules for any controlled or restricted discretionary land use activities.

**E27.6.2. Number of parking and loading spaces**

- (1) The number of parking spaces:
  - (a) must not exceed the maximum rates specified;
  - (b) must meet the minimum rates specified; or
  - (c) must meet the minimum rates and not exceed the maximum rates specified

which apply to the zone or location specified in Table E27.6.2.1, Table E27.6.2.2, Table E27.6.2.3 and Table E27.6.2.4.

- (2) Where a minimum rate applies and a site supports more than one activity, the parking requirement of each activity must be separately determined then combined to determine the overall minimum site rate. Provided that where the parking demands of the two activities allow for the sharing of parking resources, the total parking requirement for the site shall be based on the higher of the parking requirements of the two activities.
- (3) For the purposes of meeting the requirements of the vehicle parking rules, a parking space includes those provided for in a garage or car port or any paved area provided for the sole purpose of parking a motor vehicle.

**Table E27.6.2.1 Maximum parking rates for the Business – City Centre Zone**

Activity/site		Business – City Centre Zone maximum rate	
(T11)	Dwellings	Dwellings <75m <sup>2</sup> GFA	0.7 per dwelling
(T12)		Dwellings ≥75 and < 90m <sup>2</sup> GFA	1.4 per dwelling
(T13)		Dwellings ≥90m <sup>2</sup> GFA	1.7 per dwelling
(T14)		Visitor spaces	0.2 per dwelling

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(T15)	All other activities	1:200m <sup>2</sup> GFA
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**Table E27.6.2.2 Maximum parking rates for the Centre Fringe Office Control area adjoining the Business – City Centre Zone**

Activity		Centre Fringe Office Control as shown on the planning maps adjoining the Business – City Centre Zone Maximum rate
(T16)	Offices	1 per 60 m <sup>2</sup> GFA
(T17)	All other activities	No minimum or maximum

(4) Table E27.6.2.3 sets out the parking rates which apply in the following zones and locations:

- (a) Business – Metropolitan Centre Zone;
- (b) Business – Town Centre Zone – excluding the following town centres where Table E27.6.2.4 applies: Helensville, Kumeu-Huapai, Pukekohe, Warkworth and Wellsford;
- (c) Business – Local Centre Zone – excluding the following local centres where Table E27.6.2.4 applies: Karaka, Kaukapakapa, Leigh, Matakana, Riverhead, Snells Beach, Te Hana, Waimauku and Waiuku;
- (d) Business – Mixed Use Zone (excluding where the Business – Mixed Use Zone is adjacent to the town centres or local centres identified in Standards E27.6.2(4)(d) and E27.6.2(4)(e) above); and
- (e) Residential – Terrace Housing and Apartment Buildings Zone.

**Table E27.6.2.3 Parking rates - area 1**

Activity		Applies to zones and locations specified in Standard E27.6.2(4)	
		Minimum rate	Maximum rate
(T18)	Offices	No minimum	1 per 30 m <sup>2</sup> GFA
(T19)	Retail	No minimum	1 per 10m <sup>2</sup> GFA and outdoor seating area
	Food and beverage (excluding taverns)		
(T20)	All other retail (including taverns)	No minimum	1 per 20m <sup>2</sup> GFA
(T21)	Entertainment facilities and community facilities Provided that, for places of worship, the “facility” shall be the primary place of assembly (ancillary spaces such as prayer rooms, meeting rooms and lobby spaces may be disregarded)	No minimum	0.2 per person the facility is designed to accommodate

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Activity		Applies to zones and locations specified in Standard E27.6.2(4)		
		Minimum rate	Maximum rate	
(T22)	Emergency services		No minimum	1 car parking space per employee on site plus one per emergency service appliance based at the facility
(T23)	Care centres		No minimum	0.10 per child or other person (other than employees) plus 0.5 per FTE (full time equivalent) employee
(T24)	Education facilities	Primary and secondary	No minimum	0.5 per FTE employee plus 1 visitor space per classroom
(T25)		Tertiary	No minimum	0.5 per FTE employee plus 0.25 per EFT (equivalent full time) student the facility is designed to accommodate
(T26)	Medical facilities	Hospital	No minimum	1 per 40 m <sup>2</sup> GFA
(T27)		Healthcare facilities	No minimum	1 per 20 m <sup>2</sup> GFA
(T28)	Residential	All dwellings in the Terrace Housing & Apartment Buildings zone	No minimum	No maximum
(T29)		Dwellings – studio or 1 bedroom	No minimum	1 per dwelling
(T30)		Dwellings – two or more bedrooms	No minimum	2 per dwelling
(T31)		Visitor spaces	No minimum	0.2 per dwelling
(T32)		Retirement villages	No minimum	1 per unit / apartment plus 0.2 visitor space per unit / apartment plus 0.3 per bed for rest home beds
(T33)		Supported residential	No minimum	0.3 per bed

Activity			Applies to zones and locations specified in Standard E27.6.2(4)	
			Minimum rate	Maximum rate
		care		
(T34)		Visitor accommodation	No minimum	1 per unit. or, where accommodation is not provided in the form of units, 0.3 per bedroom
(T35)		Boarding houses	No minimum	0.5 per bedroom
(T36)	All other activities		No minimum	1 per 20 m <sup>2</sup> GFA

(5) Table E27.6.2.4 sets out the parking rates which apply to the Business – Neighbourhood Centre Zone and all other zones and areas not specified in Table E27.6.2.1, Table E27.6.2.2 and Table E27.6.2.3.

**Table E27.6.2.4 Parking rates - area 2**

Activity				Applies to zones and locations specified in Standard E27.6.2(5)	
				Minimum rate	Maximum rate
(T37)	Residential	Residential – Mixed Housing Urban Zone	Dwellings - studio	No minimum	No maximum
(T38)			Dwellings - 1 bedroom	No minimum	No maximum
(T39)			Dwellings - two or more bedrooms	1 per dwelling	No maximum
(T40)					
(T41)	Residential – Mixed Housing Suburban Zone		Dwellings - studio	0.5 per dwelling (rounded down to nearest whole number)	No maximum
(T42)			Dwellings - 1 bedroom	0.5 per dwelling (rounded down to nearest whole number)	No maximum
(T43)			Dwellings - two or more bedrooms	1 per dwelling	No maximum
(T44)			Sites within the D18 Special Character Areas Overlay –	Site area 500m <sup>2</sup> or less	No minimum
(T45)			Site area greater than	As per the underlying zoning	



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Activity				Applies to zones and locations specified in Standard E27.6.2(5)	
				Minimum rate	Maximum rate
		Residential and Business	500m <sup>2</sup>		
(T46)		All other areas	Dwellings	1 per dwelling	No maximum
(T47)		Conversion of dwelling into two dwellings (Sites within the D18 Special Character Areas Overlay – Residential and Business)		No minimum	No maximum
(T48)		Home occupations		1 per dwelling except no additional space is required where both of the following apply: (a) all employees live on the site of the home occupation; and (b) goods and services are not sold from the site (except electronically or by mail/courier)	No maximum
(T49)		Retirement village		0.7 per unit plus 0.2 visitor space per unit plus 0.3 per bed for rest home beds within a retirement village	No maximum
(T50)		Supported residential care		0.3 per bed	No maximum
(T51)		Visitor accommodation		1 per unit Or, where accommodation is not provided in the form of units, 0.3 per bedroom	No maximum
(T52)		Boarding houses		0.5 per bedroom (except that parking is not required for boarding houses which accommodate school students within the H29	No maximum

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Activity			Applies to zones and locations specified in Standard E27.6.2(5)	
			Minimum rate	Maximum rate
			Special Purpose – School Zone)	
(T53)	Offices		A minimum of 1 per 45m <sup>2</sup> GFA	Maximum of 1 per 30m <sup>2</sup> GFA
(T54)	Commercial services, excluding the following: veterinary clinics, storage and lockup facilities		1 per 25m <sup>2</sup> GFA	No maximum
(T55)	Retail	Motor vehicle sales	1 per 10 vehicle display spaces, plus 1 per additional 50m <sup>2</sup> GFA	No maximum
(T56)		Trade suppliers	1 per 50m <sup>2</sup> GFA plus 1 per 100m <sup>2</sup> of outdoor storage or display areas	No maximum
(T57)		Large Format Retail (excluding supermarkets and department stores)	1 per 45m <sup>2</sup> GFA	No maximum
(T58)		All other retail (including food and beverage)	1 per 25m <sup>2</sup> GFA	No maximum
(T59)	Industrial activities and storage and lock-up facilities	Repair and maintenance services	4 per repair / lubrication bay, plus 1 per additional 50m <sup>2</sup> GFA	No maximum
(T60)		Warehousing, storage and lock up facilities	1 per 100m <sup>2</sup> GFA, or 0.7 per FTE employee (where the number of employees is known), whichever results in requiring a lower amount of on-site parking	No maximum
(T61)		All other industrial activities	1 per 50m <sup>2</sup> GFA, or 0.7 per FTE employee (where the number of employees is known), whichever results in requiring a lower amount of on-site parking	No maximum
(T62)	Entertainment facilities and community facilities provided that, for places of worship, the 'facility' shall be the primary		0.2 per person the facility is designed to	No maximum

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Activity		Applies to zones and locations specified in Standard E27.6.2(5)		
		Minimum rate	Maximum rate	
	place of assembly (ancillary spaces such as prayer rooms, meeting rooms and lobby spaces not separately use shall be disregarded)		accommodate	
(T63)	Emergency services		1 per employee on site plus 1 per emergency service appliance based at the facility	No maximum
(T64)	Care centres		0.10 per child or other person, other than employees plus 0.5 per FTE employee	No maximum
(T65)	Educational facilities	Primary and secondary	0.5 per FTE employee plus 1 visitor space per classroom	No maximum
(T66)		Tertiary	Massey University at Albany Campus: 0.32 per EFT student Other tertiary education facilities: 0.5 per FTE employee plus 0.25 per EFT student the facility is designed to accommodate	No maximum
(T67)	Medical facilities	Hospitals not shown on the Parking Variation Control planning maps	1 per 50m <sup>2</sup> GFA	No maximum
(T68)		Grafton Hospital 2 Park Road, Grafton	No minimum	1 per 50m <sup>2</sup> GFA
(T69)		Greenlane Clinical Centre 210 Green Lane West, Epsom	1 per 55m <sup>2</sup> GFA	No maximum
(T70)		Mt Albert 50 Carrington Road, Mt Albert	1 per 60m <sup>2</sup> GFA	No maximum
(T71)		Mercy Hospital 98 Mountain Road, Epsom	1 per 40m <sup>2</sup> GFA	No maximum
(T72)		Healthcare facilities	1 per 20m <sup>2</sup> GFA	No maximum

Activity			Applies to zones and locations specified in Standard E27.6.2(5)	
			Minimum rate	Maximum rate
(T73)		Veterinary clinics	1 per 20m <sup>2</sup> GFA	No maximum
(T74)	Land used for organised sport and recreation		12.5 spaces per hectare	No maximum
(T75)	Clubrooms		0.2 per person the facility is designed to accommodate	No maximum
(T76)	Water transport	Land adjacent to a public boat launching ramp	No minimum rate for accessory parking associated with boat launching	No maximum
(T77)		Marinas	0.35 per berth provided	No maximum
(T78)		Minor ports at Gabador Place, Tamaki and Onehunga	0.5 per employee intended to be working in or at the facility at any one time	No maximum
(T79)	All other activities, except for activities within rural zones		1 per 50m <sup>2</sup> GFA	No maximum
(T80)	All other activities where located in rural zones		No minimum	No maximum

## (6) Bicycle parking:

- (a) the activities specified in Table E27.6.2.5 must provide the minimum number of bicycle parking spaces specified; and
- (b) the following bicycle parking requirements apply to new buildings and developments.

**Table E27.6.2.5 Required bicycle parking rates**

Activity			Visitor (short-stay) Minimum rate	Secure (long-stay) Minimum rate
(T81)	Residential	Developments of 20 or more dwellings	1 per 20 dwellings	1 per dwelling without a dedicated garage
(T82)		Visitor accommodation and boarding	1 space plus 1 space per 20 rooms/beds	1 per 10 FTE employees

Activity			Visitor (short-stay) Minimum rate		Secure (long-stay) Minimum rate	
		houses				
(T83)		Retirement village and residential care	1 space plus 1 space per 30 units / apartments		1 per 10 FTE employees	
(T84)	Offices		Up to 200m <sup>2</sup>	Nil required	1 per 300m <sup>2</sup> of office	
(T85)			Greater than 200m <sup>2</sup> up to 10,000m <sup>2</sup>	1 space plus 1 space per 1,000m <sup>2</sup> above 1,000m <sup>2</sup>		
(T86)			Greater than 10,000m <sup>2</sup>	10 spaces plus 1 space per 2000m <sup>2</sup> above 10,000m <sup>2</sup>		
(T87)	Retail	Food and beverage	Up to 350m <sup>2</sup> GFA	Nil required	1 per 300m <sup>2</sup> GFA	
(T88)				Greater than 350m <sup>2</sup> GFA		1 per 350m <sup>2</sup> GFA
(T89)		All other retail	Up to 500m <sup>2</sup> GFA	Nil required	1 per 300m <sup>2</sup> GFA of office	
(T90)				Greater than 500m <sup>2</sup> GFA up to 5000m <sup>2</sup> GFA		1 per 500m <sup>2</sup> GFA
(T91)				Greater than 5000m <sup>2</sup> GFA		1 per 750m <sup>2</sup> GFA
(T92)	Industrial activities and storage and lockup facilities		1 space plus 1 space per 750m <sup>2</sup> GFA of office space		1 per 300m <sup>2</sup> GFA of office	
(T93)	Care centres		1 space plus 1 space per 50 people to be accommodated		1 space per 10 FTE employees	
(T94)	Educational facilities	Primary and intermediate schools	1 space plus 1 space per 400 students and FTE employees		1 per 30 students in Year 1 to 5 plus 1 per	

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Activity		Visitor (short-stay) Minimum rate	Secure (long-stay) Minimum rate
			15 students in Year 6 to 8 plus 1 per 20 employees
(T95)		Secondary schools	1 space plus 1 space per 400 students and FTE employees
(T96)		Tertiary education facilities	1 per 800 m <sup>2</sup> GFA office
(T97)	Medical facilities	Hospitals	1 per 30 beds
(T98)		Healthcare services	1 space plus 1 space per 10 FTE practitioners
(T99)		Veterinary clinics	-
(T100)	Entertainment and community facilities	Entertainment facilities	Either: 1 per 50 seats Or: 2 spaces plus 1 space per 1500m <sup>2</sup> GFA
(T101)		Major recreation facility	1 space plus 1 space per 1000m <sup>2</sup> GFA of office and other accessory activities
(T102)		Community facilities	1 per 200m <sup>2</sup> GFA
(T103)		Organised sport and recreational facility	3 per hectare distributed in groups of 3-5 racks

(7) End-of-trip facilities:

- (a) the activities specified in Table E27.6.2.6 must provide end-of-trip facilities as listed below; and

(a) the following end-of-trip facilities requirements apply to new buildings and developments.

**Table E27.6.2.6 Required end-of-trip facilities (intended for staff use)**

Land use		GFA	No. of showers and changing facilities required
(T104)	Offices, education facilities, hospitals	Up to 500m <sup>2</sup>	No requirement
(T105)		Greater than 500m <sup>2</sup> up to 2500m <sup>2</sup>	One shower and changing area with space for storage of clothing
(T106)		Greater than 2500m <sup>2</sup> up to 7500m <sup>2</sup>	Two showers and changing area with space for storage of clothing
(T107)		Every additional 7500m <sup>2</sup>	Two additional showers and changing area with space for storage of clothing

(8) Number of loading spaces:

(a) all activities must provide loading spaces as specified in Table E27.6.2.7.

**Table E27.6.2.7 Minimum loading space requirements**

Activity		GFA	Minimum rate
(T108)	Retail and industrial activities	Up to 300m <sup>2</sup>	No loading required
(T109)		Greater than 300m <sup>2</sup> up to 5000m <sup>2</sup>	1
(T110)		Greater than 5000m <sup>2</sup> up to 10,000m <sup>2</sup>	2
(T111)		Greater than 10,000m <sup>2</sup>	3 spaces plus 1 space for every additional 10,000m <sup>2</sup>
(T112)	All other activities, except for activities within rural zones	Up to 5000m <sup>2</sup>	No loading required
(T113)		Greater than 5000m <sup>2</sup> up to 20,000m <sup>2</sup>	1
(T114)		Greater than 20,000m <sup>2</sup> up to 90,000m <sup>2</sup>	2
(T115)		Greater than 90,000m <sup>2</sup>	3 spaces plus space 1 for every additional 40,000m <sup>2</sup>
(T116)	All other activities where located in rural Zones		No minimum rate

(9) Fractional spaces:

(a) where the calculation of the required or permitted parking results in a fractional space, any fraction that is less than one-half will be disregarded and any fraction of one-half or more will be counted as one space. If there are different activities within a development, the parking required or permitted for each activity must be added together prior to rounding.

(10) Accessible parking:

- (a) where parking is provided, the Building Code requires parking spaces to be provided for people with disabilities and accessible routes from the parking spaces to the associated activity or road. The dimensions and accessible route requirements are detailed in the New Zealand Building Code D1/AS1 New Zealand Standard for Design for Access and Mobility – Buildings and Associated Facilities (NZS: 4121-2001).

**E27.6.3. Design of parking and loading spaces**

**E27.6.3.1. Size and location of parking spaces**

(1) Every parking space must:

- (a) comply with the minimum dimensions given in Table E27.6.3.1.1 and Figure E27.6.3.1.1; and
- (b) be located on the same site as the activity to which it relates unless one of the following criteria is met:
  - (i) the parking is located in an H7 Open Space Zone and the reserve, park or recreation area consists of more than one adjoining Certificate of Title. In that case, the parking must be located within the same reserve, park or recreation area as the activity to which it relates; or
  - (ii) resource consent is granted to an alternative arrangement, such as shared parking, offsite parking, or non-accessory parking.
- (c) not be used for any other purpose; and
- (d) be kept clear and available at all times the activity is in operation, except where stacked parking is permitted by Standard E27.6.3.3(3) below; and
- (e) be located outside any area designated for road widening; and
- (f) parking located in part of any yard on the site (where it is permitted in the zone) must not:
  - (i) impede vehicular access and movement on the site; and
  - (ii) infringe any open space and landscape requirements for the relevant zone; and
- (g) not to be sold or leased separately from the activity for which it provides parking required under a resource consent.



**Table E27.6.3.1.1 Minimum Car parking space and manoeuvring dimensions**

Car parking angle		Width of parking space	Depth of parking space		Manoeuvring space <sup>3</sup>	Total
			From wall <sup>1</sup>	From kerb <sup>2</sup>		
(T117)	90 degrees (regular users) <sup>4</sup>	2.4	5.0	4.0	7.1	12.1
(T118)		2.5			6.7	11.7
(T119)		2.6			6.3	11.3
(T120)		2.7			5.9	10.9
(T121)	90 degrees (casual users) <sup>4</sup>	2.5	5.0	4.0	7.7	12.7
(T122)		2.6			7.0	12.0
(T123)		2.7			6.7	11.7
(T124)	75 degrees	2.5	5.2	4.2	6.3	11.5
(T125)		2.6			5.2	10.4
(T126)		2.7			4.2	9.4
(T127)	60 degrees	2.5	5.2	4.2	4.1	9.3
(T128)		2.6			3.5	8.7
(T129)		2.7			3.3	8.5
(T130)	45 degrees	2.5	5.0	4.2	3.0	8.0
(T131)		2.6			3.0	8.0
(T132)		2.7			3.0	8.0
(T133)	30 degrees	2.5	4.0	3.4	2.8	6.8
(T134)		2.6			2.8	6.8
(T135)		2.7			2.8	6.8
(T136)	0 degrees (parallel) <sup>5</sup>	6	2.4	2.1	3.7	-

**Notes**

All dimensions are in metres (m).

<sup>1</sup> Where a parking space adjoins a wall or high kerb that does not allow vehicles to overhang.

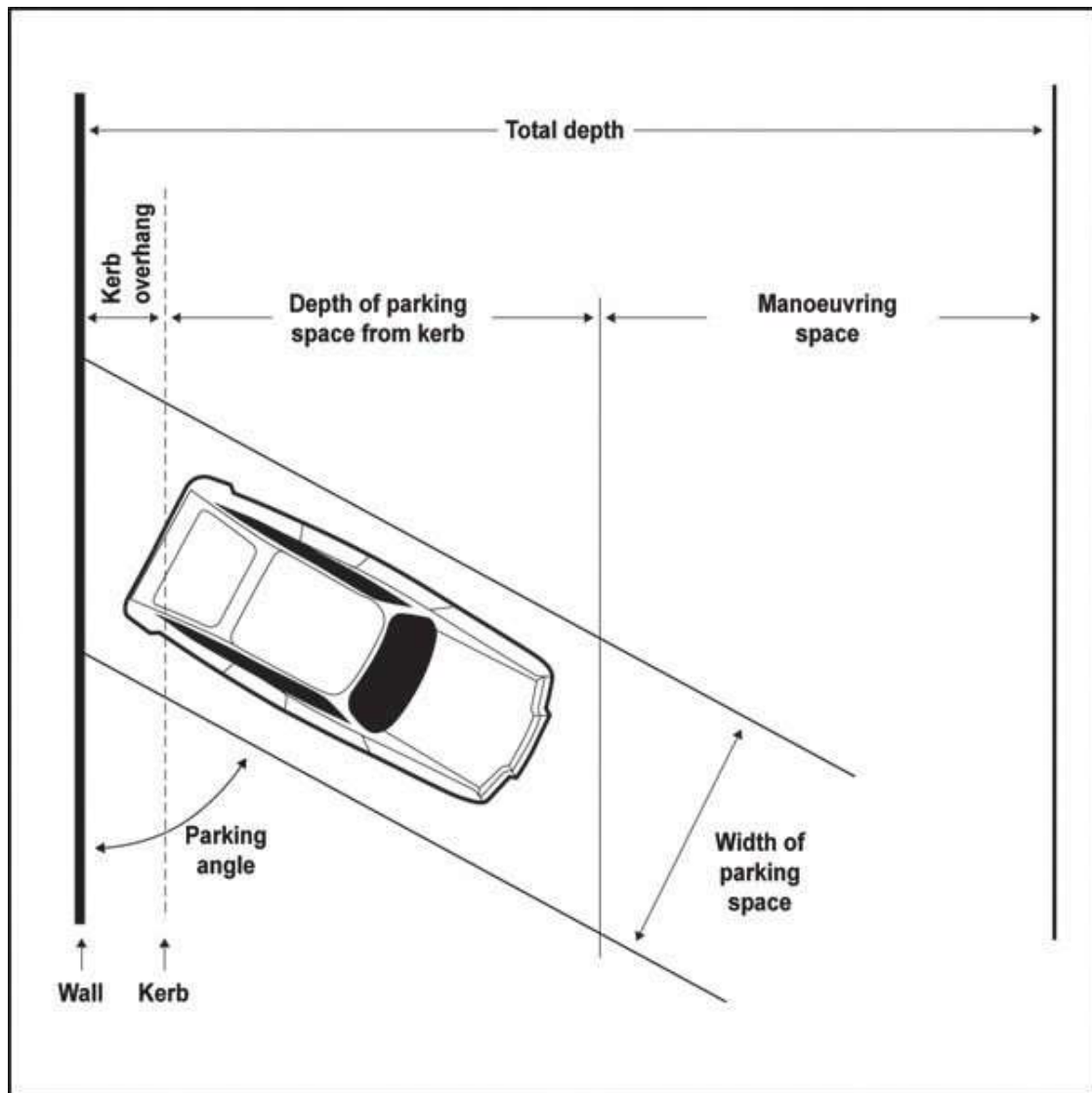
<sup>2</sup> Kerb overhang. Applies where a vehicle may overhang the end of a space, provided that the first 1m immediately behind the space is unobstructed and does not form part of another parking or loading space, or is not required as part of pedestrian walkway or footpath. Wheel stops are required where a parking space would otherwise overhang onto a pedestrian walkway or footpath.

<sup>3</sup> One way traffic is assumed for all angled parking spaces, excluding car parking at a 90 degree angle

<sup>4</sup> Regular users are people whose regular use gives them a familiarity with the parking area that permits smaller safe clearances about the parking spaces (for example residents, employees, long term parking users). Casual users are people, typically short-term visitors, who would not be familiar with the parking layout

<sup>5</sup> Where a parallel end space has direct access through the end of the space, the depth of space can be reduced to 5.4m

**Figure E27.6.3.1.1 Minimum parking space and manoeuvring dimensions**



**E27.6.3.2. Size and location of loading spaces**

- (1) Every loading space must:
- (a) comply with the minimum dimensions given in Table E27.6.3.2.1; and
  - (b) be located on the same site as the activity to which it relates and be available at all times while the activity is in operation; and
  - (c) be located outside any area designated for road widening; and
  - (d) comply with the following when any yard of a site is used to provide the loading space (where it is permitted within the zone):
    - (i) ensure that the footpath or access to the rear of the site or access to an adjacent property is not blocked at any time; and
    - (ii) the use of the loading space does not create a traffic hazard on the road at any time.

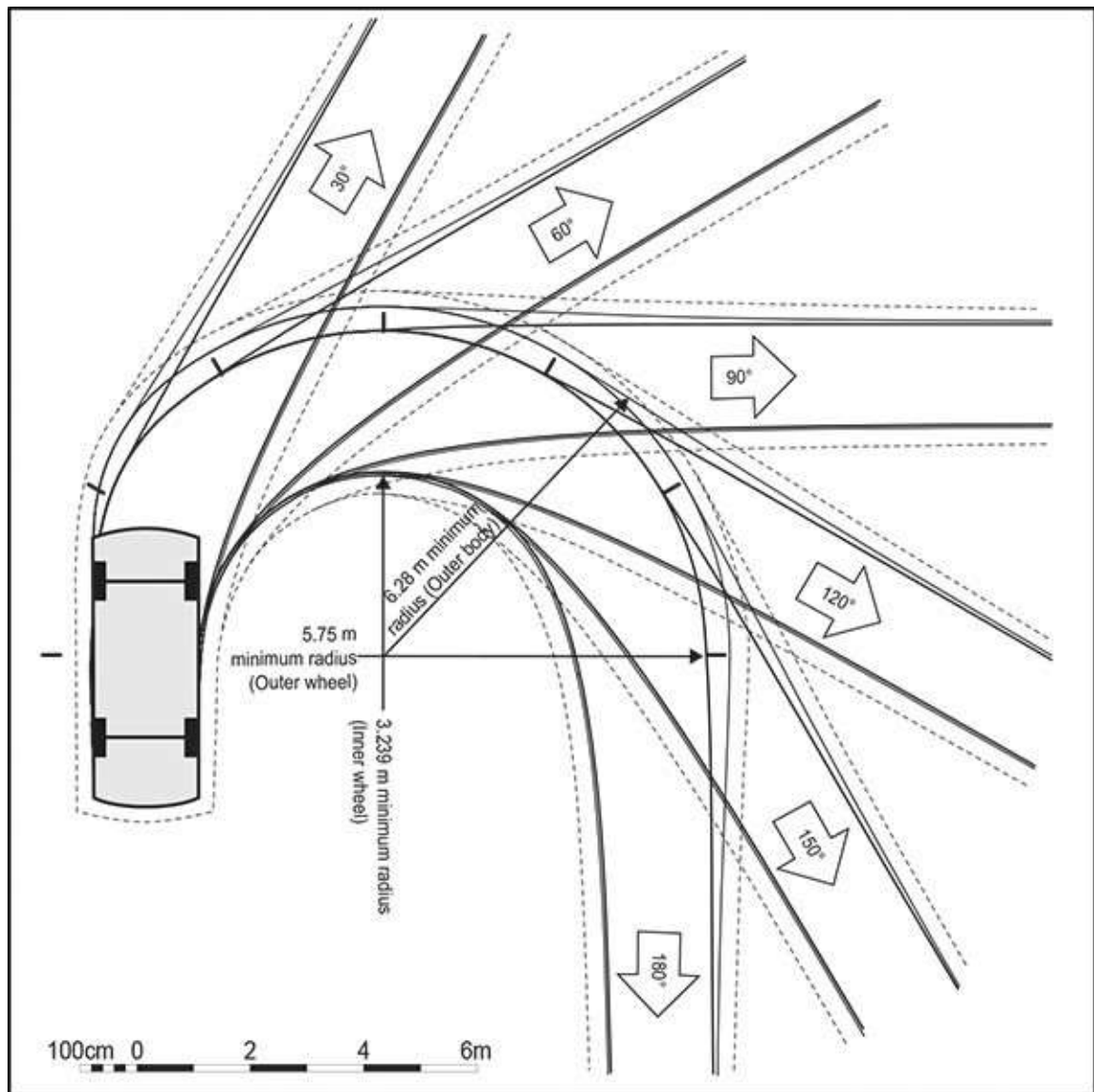
**Table E27.6.3.2.1 Minimum loading space dimensions**

Activity		Length of loading space (m)	Width of loading space (m)
(T137)	Industrial activities	11	3.5
(T138)	All other activities	8	3.5
(T139)	All sites and developments designed to accommodate articulated vehicles	18	3.5

**E27.6.3.3. Access and manoeuvring**

- (1) Every parking space must have driveways and aisles for entry and exit of vehicles to and from the road, and for vehicle manoeuvring within the site. Access and manoeuvring areas must accommodate the 85 percentile car tracking curves in Figure E27.6.3.3.1
- (2) Every loading space and where access and manoeuvring areas must accommodate heavy vehicles, a tracking curve for an appropriately sized truck for the type of activities to be carried out on the site must be assessed. Heavy vehicle tracking curves are set out in the following NZTA guidelines: RTS 18: NZ on-road tracking curves (2007).
- (3) Where a dwelling provides more than one parking space, these may be stacked. Stacked parking means access is required through another parking space.

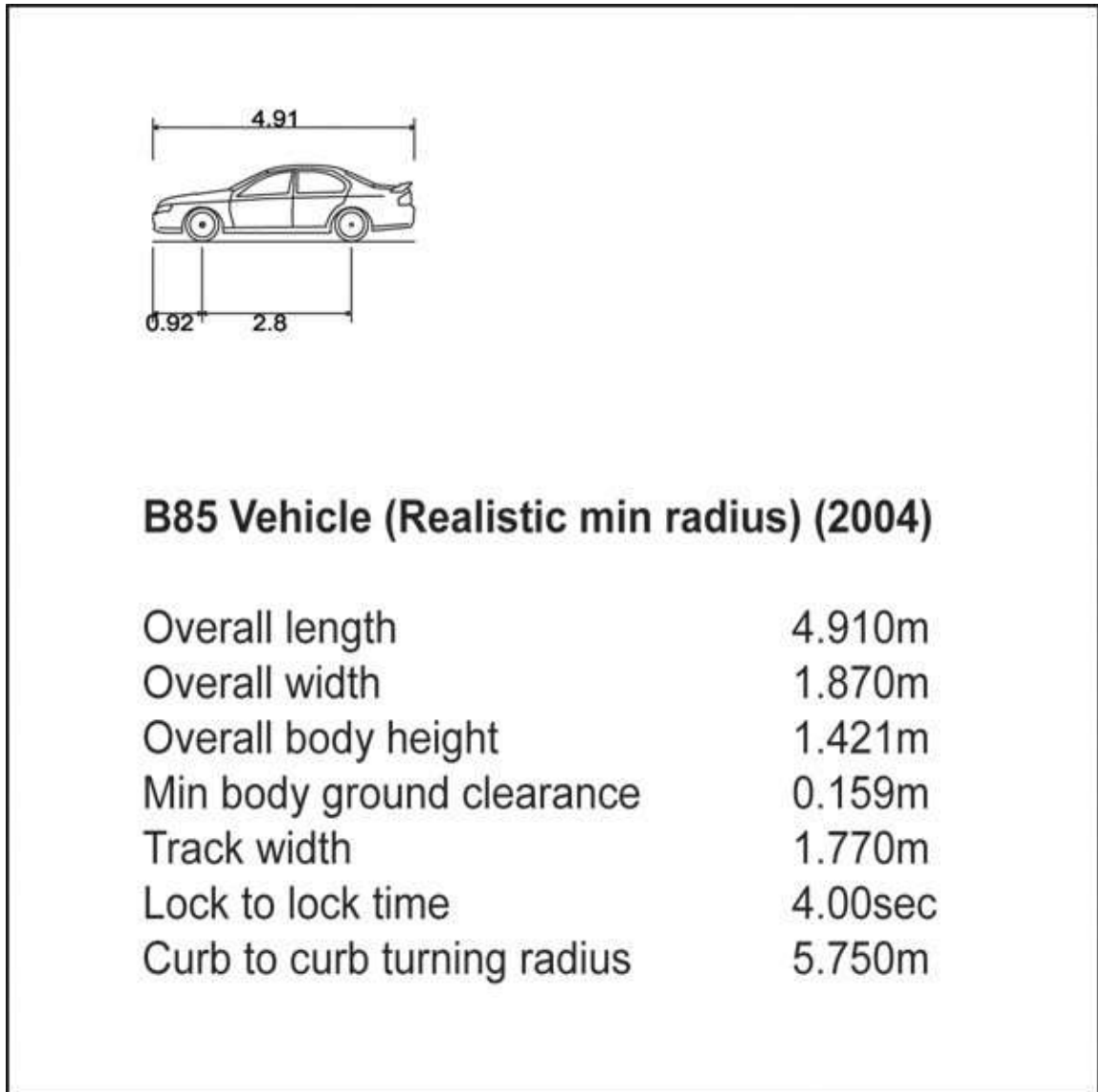
Figure E27.6.3.3.1 85 percentile car tracking curve



Note 1

The dotted line about the vehicle depicts a 300mm clearance about the vehicle. See following key in Figure E27.6.3.3.2

**Figure E27.6.3.3.2 Key for 85 percentile car tracking curve**



**E27.6.3.4. Reverse manoeuvring**

- (1) Sufficient space must be provided on any the site so vehicles do not need to reverse off the site or onto or off the road from any site where any of the following apply:
- (a) four or more required parking spaces are served by a single access;
  - (b) there is more than 30m between the parking space and the road boundary of the site; or
  - (c) access would be from an arterial road or otherwise within a Vehicle Access Restriction covered in Standard E27.6.4.1.

**E27.6.3.5. Vertical clearance**

- (1) To ensure vehicles can pass safely under overhead structures to access any parking and loading spaces, the minimum clearance between the formed surface and the structure must be:
  - (a) 2.1m where access and/or parking for cars is provided for residential activities;
  - (b) 2.3m where access and/or parking for cars is provided for all other activities;
  - (c) 2.5m where access and/or accessible parking for people with disabilities is provided; or
  - (d) 3.8m where loading is required.

**E27.6.3.6. Formation and gradient**

- (1) Except for Standard E27.6.3.6(2) below, the whole area of parking and loading spaces, and manoeuvring areas and aisles must be formed, drained, provided with an all-weather surface to prevent dust and nuisance, and be marked out or delineated. This must be done before the activity to which those parking and loading spaces relate commences, and maintained for as long as that activity is continued.
- (2) Parking and loading spaces and manoeuvring areas and aisles do not need to be provided with an all-weather surface in the following zones:
  - (a) Rural – Rural Conservation Zone;
  - (b) Rural – Rural Coastal Zone;
  - (c) Rural - Mixed Rural Zone; and
  - (d) Rural – Rural Production Zone.
- (3) The gradient for the surface of any parking space must not exceed:
  - (a) 1 in 25 in any direction for accessible spaces for people with disabilities; or
  - (b) 1 in 20 (five per cent) in any direction for other spaces.
- (4) The gradient for the manoeuvring area must not exceed 1 in 8.

**E27.6.3.7. Lighting**

- (1) Lighting is required where there are 10 or more parking spaces which are likely to be used during the hours of darkness. The parking and manoeuvring areas and associated pedestrian routes must be adequately lit during use in a manner that complies with the rules in Section E24 Lighting.

#### **E27.6.4. Access**

##### **E27.6.4.1. Vehicle Access Restrictions**

(1) Vehicle Access Restrictions apply and new vehicle crossings must not be constructed to provide vehicle access across that part of a site boundary which is subject to:

(a) a Vehicle Access Restriction – General Control as shown on the planning maps in the Business – City Centre Zone; or

(b) a Key Retail Frontage Control as shown on the planning maps;

infringing this standard is a non-complying activity unless the application involves:

(i) the use of an existing vehicle crossing to service the establishment of a new activity, a change of activity type, the expansion or intensification of an existing activity or where a building(s) is constructed, or additions to buildings that are not permitted activities in:

- Table H9.4.1 Activity table;
- Table H10.4.1 Activity table;
- Table H11.4.1 Activity table;
- Table H12.4.1 Activity table;
- Table H13.4.1 Activity table;
- Table H14.4.1 Activity table; or
- Table H15.4.1 Activity table;

(ii) the construction of a new vehicle crossing and the establishment of the vehicle crossing is to relocate and/or amalgamate an existing vehicle crossing or crossings serving the site, that will reduce or otherwise not increase either the number of crossings or width of crossings serving a site; or there is no other means of accessing a site

where Standards E27.6.4.1(1)(b)(i) and E27.6.4.1(1)(b)(ii) apply the activities require a restricted discretionary activity consent.

(2) Standard E27.6.4.1(3) below applies in any of the following circumstances:

(a) a new vehicle crossing is proposed;

(b) a new activity is established on a site;

(c) there is a change of type of activity; or

(d) a building(s) is constructed, or additions to buildings that are not permitted activities in:

- Table H9.4.1 Activity table;
- Table H10.4.1 Activity table;
- Table H11.4.1 Activity table;
- Table H12.4.1 Activity table;
- Table H13.4.1 Activity table;
- Table H14.4.1 Activity table; or
- Table H15.4.1 Activity table

except that this does not apply in the case of a dwelling where the reconstruction, alteration or addition does not increase the number of dwellings on a site.

(3) Vehicle Access Restrictions apply and vehicle crossings must not be constructed or used to provide vehicle access across that part of a site boundary which:

(a) is located within 10m of any intersection as measured from the property boundary, illustrated in Figure E27.6.4.1.1;

(b) is subject to the following types of Vehicle Access Restriction as identified on the planning maps in the zones listed in Table H27.6.4.1.1;

(c) has frontage to an arterial road as identified on the planning maps; or

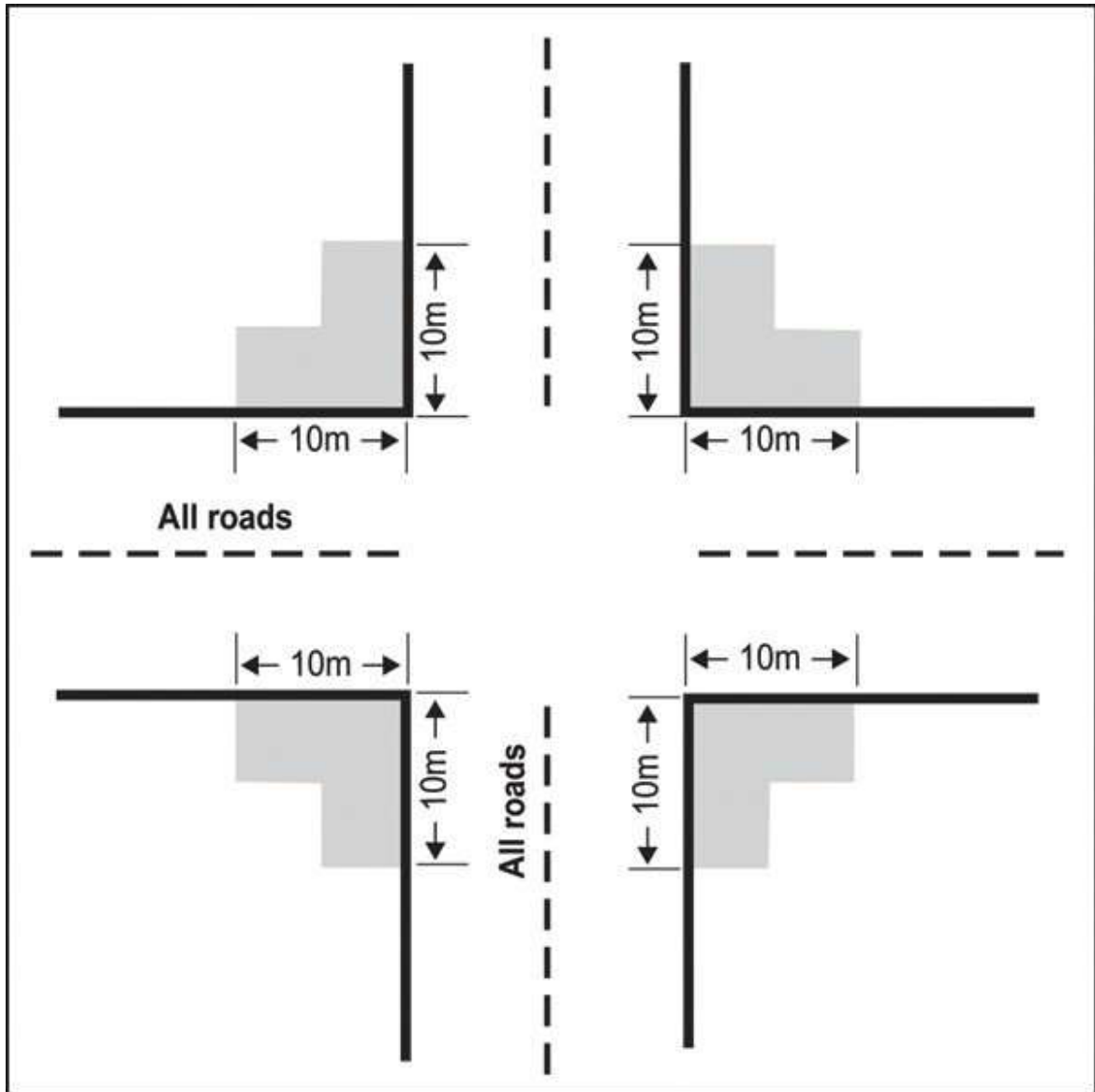
(d) is located closer than 30m from a railway level crossing limit line.

**Table E27.6.4.1.1 Types of Vehicle Access Restrictions**

Type of Vehicle Access Restriction		Zone
(T140)	Vehicle Access Restriction General Control	All zones except the Business – City Centre Zone which is covered in Standard E27.6.4.1(1)(a)
(T141)	Vehicle Access Restriction Motorway Interchange Control	All zones
(T142)	Vehicle Access Restriction Level Crossing Control	All zones



Figure E27.6.4.1.1 Vehicle crossing restrictions 10m



**E27.6.4.2. Width and number of vehicle crossings**

- (1) The maximum number of vehicle crossings permitted for any site and separation distance between crossings is specified in Table E27.6.4.2.1.

**Table E27.6.4.2.1 Maximum number of vehicle crossings and separation distance between crossings**

Location		Maximum number of vehicle crossings per road frontage of the site	Minimum separation from crossings serving adjacent sites	Minimum separation between crossings serving same site
(T143)	That part of a site subject to: <ul style="list-style-type: none"> <li>• a Vehicle Access Restriction General Control in the Business – City Centre Zone</li> <li>• a Key Retail Frontage Control as shown on the planning maps</li> </ul>	No crossings permitted	No crossings permitted	No crossings permitted
(T144)	That part of a site subject to: <ul style="list-style-type: none"> <li>• a Vehicle Access Restriction under Standards E27.6.4.1(2) and E27.6.4.1(3) (see additional limitation below for site at 71-75 Grafton Road)</li> <li>• a General Commercial Frontage Control as shown on the planning maps</li> </ul>	1 per 50m of frontage or part thereof	2m provided that two crossings on adjacent sites can be combined where they do not exceed a total width of 6m at the property boundary	6m
(T145)	Site at 71-75 Grafton Road	1 - located within the area identified on Figure E27.6.4.2.1	No limitation	Only one crossing permitted
(T146)	All other sites	1 per 25m of frontage or part thereof	2m provided that two crossings on adjacent sites can be combined where they do not exceed a total width of 6m at the property boundary	6m

Figure E27.6.4.2.1 Location of vehicle crossing at 71-75 Grafton Road



- (1) The width of a vehicle crossing(s) must meet the minimum width and not exceed the maximum width as specified in Table E27.6.4.3.2.
- (2) With the exception of vehicle crossings on unsealed roads, all vehicle crossings must be designed and constructed to maintain the level, colour, and materials of the footpath to clearly identify to vehicles that pedestrians have priority.

(3) Vehicle crossings on unsealed roads:

(a) where the vehicle crossing is served by an access steeper than 1 in 8, the vehicle crossing must be sealed for 6m between the site boundary and the unsealed road.

(b) vehicle crossings not covered by Standard E27.6.4.2(3)(a) above must be formed using materials similar to the existing road surface or better.

(4) Where a vehicle crossing is altered or no longer required, the crossing, or redundant section of crossing, must be reinstated as berm and/or footpath and the kerbs replaced. The cost of such work will be borne by the owner of the site previously accessed by the vehicle crossing.

**E27.6.4.3. Width of vehicle access and queuing requirements**

(1) Every on-site parking and loading space must have vehicle access from a road, with the vehicle access complying with the following standards for width:

(a) passing bays are provided in accordance with Table E27.6.4.3.1; and

(b) meeting the minimum formed access width specified in Table E27.6.4.3.2.

(2) Access must be designed so that vehicles using or waiting to use fuel dispensers, ticket vending machines, remote ordering facilities and devices, entrance control mechanisms, or other drive-through facilities do not queue into the adjoining road reserve or obstruct entry to or exit from the site.

**Table E27.6.4.3.1 Passing bay requirements**

Zone		Length of access	Width of access	Maximum intervals between passing bays	Passing bay width
(T147)	Rural	Exceeds 100m	Less than 5.5m	100m	Increase formed width of access to 5.5m over a 15m length (to allow two vehicles to safely pass each other)
(T148)	All other zones	Exceeds 50m		50m	Increase formed width of access to 5.5m over 7m with 45° tapers

Table E27.6.4.3.2 Vehicle crossing and vehicle access widths

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Location of site frontage		Minimum width of crossing at site boundary	Maximum width of crossing at site boundary	Minimum formed access width	
(T149)	Residential zone	2.75m	3.0m	Serves 1 dwelling	2.5m provided it is contained within a corridor clear of buildings or parts of a building with a minimum width of 3m
(T150)		3.0m (one way)	3.5m (one way)	Serves nine or less parking spaces or 2 – 5 dwellings	3.0m provided it is contained within a corridor clear of buildings or parts of a building with a minimum width of 3.5m
(T151)		5.5m (two-way) This may be narrowed to 2.75m if there are clear sight lines along the entire access and passing bays at 50m intervals can be provided	6.0m (two-way)	Serves 10 or more car parking spaces	5.5m (providing for two-way movements)
(T152)	Centres, Mixed Use and all other zones not listed below	3.0m (one way)	3.5m (one way)	Serves nine or less parking spaces or two or less loading spaces	3.0m provided it is contained within a corridor clear of buildings or parts of a building with a minimum width of 3.5m
(T153)		5.5m (two-way)	6.0m (two-way)	Serves 10 or more parking spaces or three or more loading spaces	5.5m (providing for two-way movements) 1.5m pedestrian access for rear sites
(T154)	General Business,	3.7m (one way)	4.0m (one-way)	Serves nine or less	3.0m provided it is contained

	Business Park or Industrial zones			parking spaces or two or less loading spaces	within a corridor clear of buildings or parts of a building with a minimum width of 3.5m
(T155)		6.0m (two-way)	7m (two-way)	Serves 10 parking spaces or three or more loading spaces	6.0m (providing for two-way movements)
(T156)	Rural zones	3.0m	6.0m*	No minimum specified	

\* Provided that a maximum width of 9.0m is permitted where the crossing needs to accommodate the tracking path of large heavy vehicles

#### Note 1

Minimum vehicle crossing widths to the State Highway network may be greater than those above. All access to the State Highway network requires the approval of the New Zealand Transport Agency under the Government Roding Powers Act 1989. Applicants are advised to contact the New Zealand Transport Agency's Auckland Office.

#### E27.6.4.4. Gradient of vehicle access

- (1) The gradient of the access must not be steeper than specified in Table E27.6.4.4.1:

**Table E27.6.4.4.1 Gradient of vehicle access**

Access type		Maximum gradient
(T157)	Vehicle access serving residential	1 in 5 (20 per cent)
(T158)	Vehicle access used by heavy vehicles	1 in 8 (12.5 per cent)
(T159)	Vehicle access serving all other activities	1 in 6 (16.7 per cent)

#### Note 1

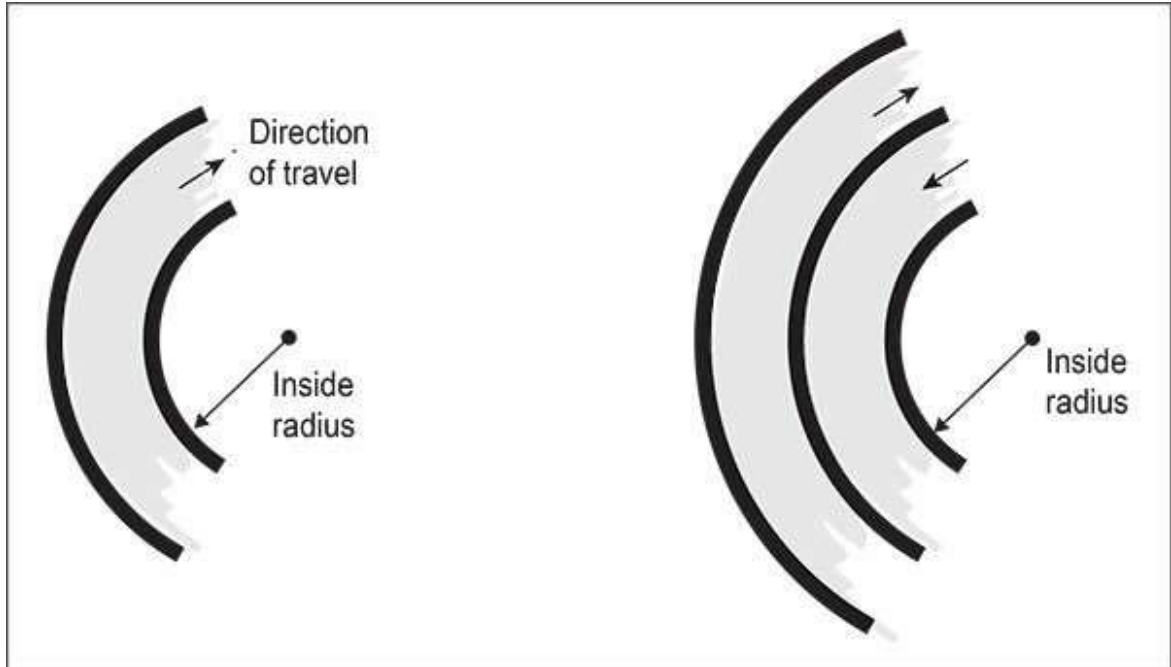
For curved ramps and driveways, the gradient is measured along the inside radius (refer to Figure E27.6.4.4.1).

- (2) To avoid the underside of the car striking the ground, as illustrated in Figure E27.6.4.4.2, access with a change in gradient exceeding 1 in 8 (greater than 12.5 per cent change) at the summit or a 1 in 6.7 (15 per cent change) at a sag must include transition sections to achieve adequate ground clearance, refer to Figure E27.6.4.4.3. Typically, a transition section requires a minimum length of 2m.

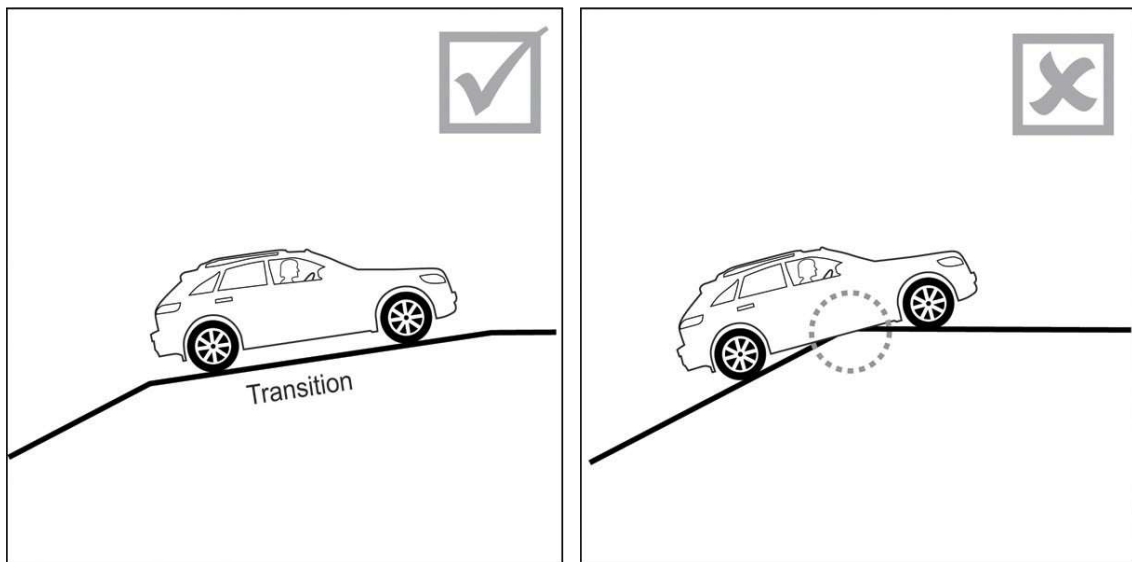
- (3) All vehicle access must be designed so that where the access adjoins the road there is sufficient space onsite for a platform so that vehicles can

stop safely and check for pedestrians and other vehicles prior to exiting. This is illustrated in Figure E27.6.4.4. The platform must have a maximum gradient no steeper than 1 in 20 (5 per cent) and a minimum length of 4m for residential activities and 6m for all other activities.

**Figure E27.6.4.4.1 Curved ramp diagram**



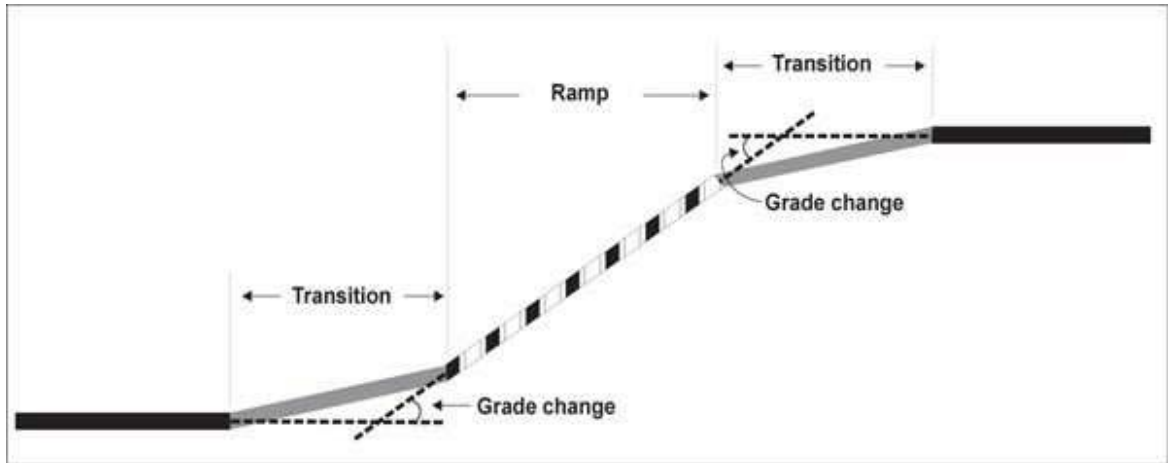
**Figure E27.6.4.4.2 Illustrating the benefit of transitions**



Correct

Incorrect

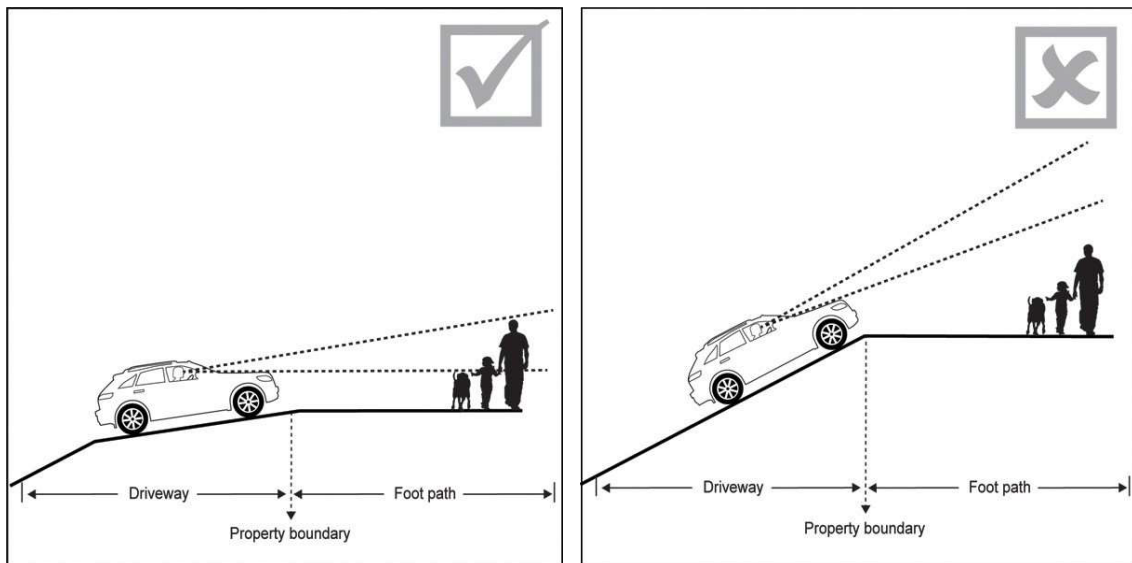
**Figure E27.6.4.4.3 Gradient transition**



Note 1

The gradient change is determined by subtracting one gradient from the adjacent gradient, both expressed as percentages; if this is greater than a 12.5 per cent change, then a gradient transition will be required.

**Figure E27.6.4.4.4 Illustrating the benefits of a level platform**



Correct

Incorrect

**E27.6.4.5. Sightlines for road/rail level crossings**

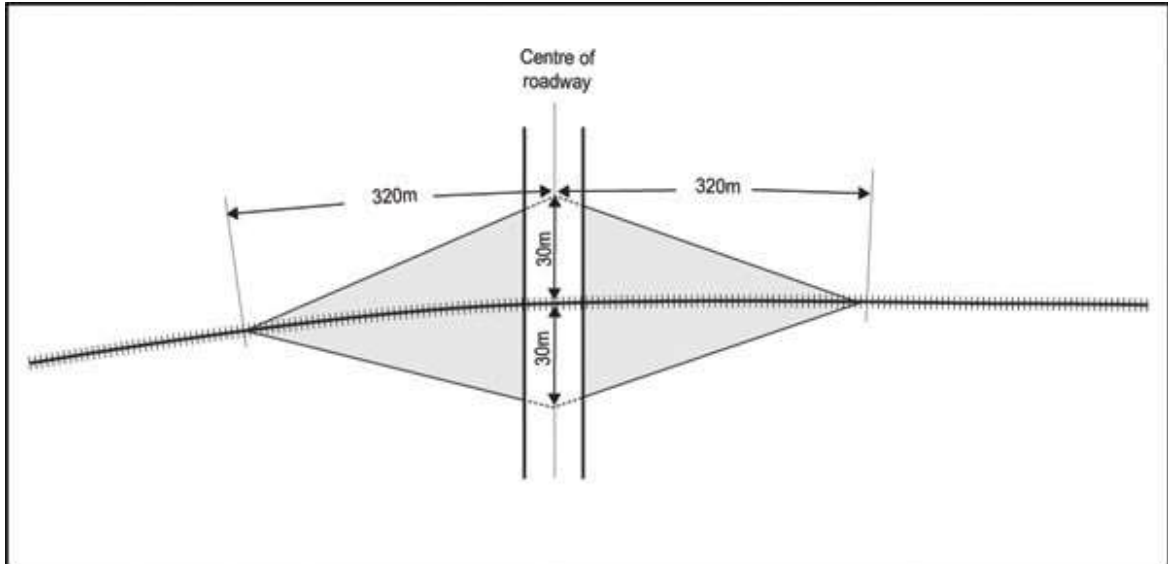
(1) Sites subject to sightlines for level crossings are identified on the planning maps by the Level Crossings with Sightline Control. If alarms and/or barrier arms are subsequently installed at a level crossing with Stop or Give Way signs, the Approach sight triangle in Figure E27.6.4.5.1 below ceases to apply.

(2) Approach sight triangles (refer to Figure E27.6.4.5.1)



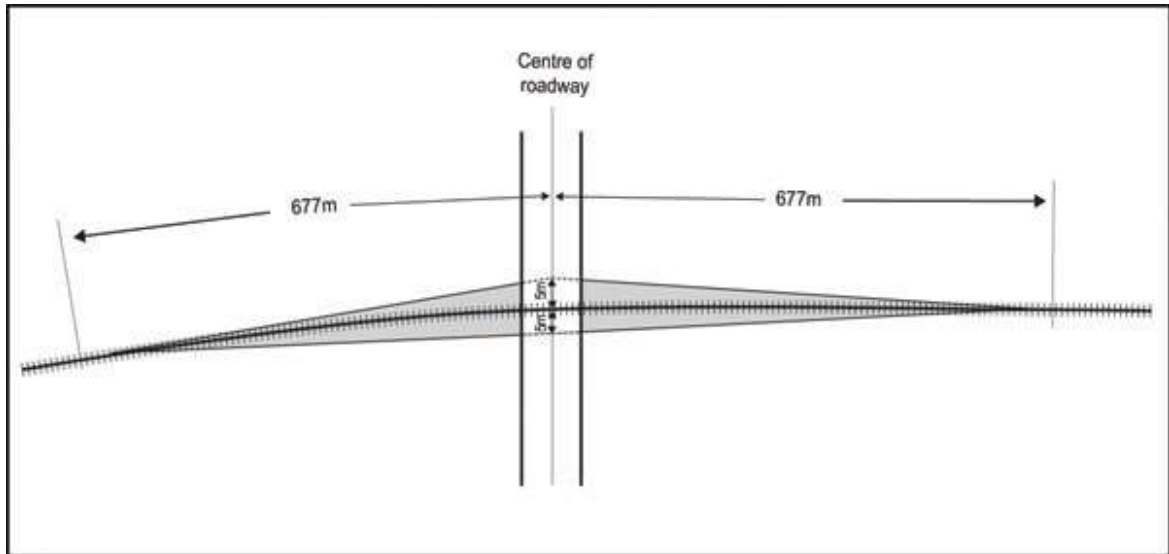
- (a) on sites adjacent to the Level Crossings with Sightline Control buildings and other visual obstructions, cannot be located within the approach sight triangles identified on the planning maps.

**Figure E27.6.4.5.1 Approach sight triangles for rail level crossings with 'stop' or 'give way' signs**



- (b) the approach sight triangles are calculated by reference to Figure E27.6.4.5.1. For a single set of railway tracks, the sight triangles are defined by a triangle taken 30m from the outside rail and 320m along the railway track. For each additional set of tracks, 25m is added to the 320m along the railway track.
- (3) Restart sight triangles (see Figure E27.6.4.5.2)
- (a) on sites adjacent to the Level Crossings with Sightline Control, buildings and other visual obstructions, cannot be located within the restart sight triangles identified on the planning maps. The restart triangle applies to all level crossings.

**Figure E27.6.4.5.2 Restart sight site triangles for rail level crossings**



(b) the restart sight triangles are calculated by reference to Figure E27.6.4.5.2. For a single set of tracks, the sight triangles are defined by a triangle taken 5m from the outside rail and 677m along the railway track. For each additional set of tracks, 50m is added to the 677m along the railway track.

**E27.6.5. Design and location of off-road pedestrian and cycling facilities**

- (1) The design and location of the proposed facility to ensure good connections to existing facilities.
- (2) The width of the path is designed to accommodate the anticipated number and type of users.
- (3) The surface of the path is designed to safely provide for the anticipated number and type of users.

**E27.7. Assessment – controlled activities**

There are no controlled activities in this section.

**E27.8. Assessment – restricted discretionary activities**

**E27.8.1. Matters of discretion**

The Council will restrict its discretion to the following matters when assessing a restricted discretionary resource consent application.

- (1) park-and-ride:
  - (a) effect on the transport network;
  - (b) location, design and external appearance; and
  - (c) compatibility with surrounding activities.
- (2) public transport facility:

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- (a) effect on the transport network;
  - (b) location, design and external appearance; and
  - (c) compatibility with surrounding activities.
- (3) non-accessory parking:
- (a) effect on the transport network;
  - (b) location, design and external appearance;
  - (c) compatibility with surrounding activities; and
  - (d) availability of parking.
- (4) any activity or subdivision which exceeds the trip generation thresholds under Standard E27.6.1:
- (a) effects on the transport network.
- (5) any activity or development which provides more than the maximum permitted number of parking spaces under Standard E27.6.2(1):
- (a) adequacy for the site and the proposal;
  - (b) effects on intensification; and
  - (c) effects on the transport network.
- (6) any activity or development which provides fewer than the required minimum number of parking spaces under Standard E27.6.2(1):
- (a) adequacy for the site and the proposal;
  - (b) effects on adjacent activities and on the adjoining transport network; and
  - (c) availability and suitability of alternative parking supply and management arrangements.
- (7) any activity or development which infringes the standards for bicycle parking and end-of-trip facilities in Standard E27.6.2(6) and Standard E27.6.2(7):
- (a) adequacy for the site and the proposal.
- (8) any activity or development which provides fewer than the minimum number of loading spaces under Standard E27.6.2(8):
- (a) adequacy for the site and the proposal; and
  - (b) effects on the transport network.
- (9) any activity or development which infringes the standards for design of parking and loading areas or access under Standard E27.6.3:
- (a) adequacy for the site and the proposal;

- (b) design of parking, loading and access;
  - (c) effects on pedestrian and streetscape amenity; and
  - (d) effects on the transport network.
- (10) use of an existing vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(1):
- (a) effect on the transport network; and
  - (b) street and pedestrian amenity.
- (11) construction of a new vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(1):
- (a) effect on the transport network; and
  - (b) building frontage, pedestrian priority, pedestrian safety, street and pedestrian amenity.
- (12) construction or use of a vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(2) and Standard E27.6.4.1(3):
- (a) adequacy for the site and the proposal;
  - (b) design and location of access;
  - (c) effects on pedestrian and streetscape amenity; and
  - (d) effects on the transport network.
- (13) any building or structure located within a sightline area applying to a road/rail level crossing with sightline standards under Standard E27.6.4.5:
- (a) effects on the transport network.
- (14) any activity or development which infringes the standard for design and location of off-road pedestrian and cycling facilities under Standard E27.6.5:
- (a) location, design and external appearance; and
  - (b) compatibility with surrounding activities.

#### **E27.8.2. Assessment criteria**

The Council will consider the relevant assessment criteria for restricted discretionary activities from the list below:

- (1) park-and-ride and public transport facility:
  - (a) effect on the transport network:
    - (i) the extent to which any proposed facility is located and designed to support the public transport system by:

- locating in close proximity to public transport stations, stops and terminals;
  - growing public transport patronage, especially to assist in relieving congested corridors by encouraging commuters to shift to public transport for their travel;
  - making public transport easier and more convenient to use, thereby attracting new users;
  - improving the operational efficiency of the public transport system and ferry services;
  - extending the catchment for public transport into areas of low demand where it is not cost-effective to provide traditional services or feeders;
  - reinforcing existing and future investments on the public transport system and ferry public transport services; and
  - providing free, secure and covered parking for cycles.
- (ii) the extent to which the scale, design, management and operation of the facility and its access points have an adverse effect on the effective, efficient and safe operation of the transport network, including:
- the safety of pedestrians and cyclists;
  - amenity for pedestrians;
  - avoiding queuing onto the road and conflict at access points to the facility;
  - avoiding generating high volumes of traffic onto local roads or areas with high pedestrian amenity; and
  - the operation of public transport services and related infrastructure.
- (b) location, design and external appearance:
- (i) the location, design and external appearance of any park-and-ride or public transport facility:
- compatible with and meets the planning and design outcomes identified in this Plan for the site and / or location generally;
  - provides appropriate screening on the facade of any building so vehicles are not visible from the public realm;
  - is accessible, safe and secure for users with safe and attractive pedestrian connections within the facility and to adjacent public footpaths; and

- provides an attractive interface between any buildings, structures or at-grade parking areas and adjacent streets and public open spaces. Depending on location and scale, this includes:
  - maintaining an active frontage through sleeving and/ or an interesting appearance through use of architectural treatments so that the facility contributes positively to the pedestrian amenity and to any retail, commercial or residential uses along the road it fronts;
  - planting and other landscaping provides for any buildings to be adapted for other uses if no longer required for parking. In particular, the floor to ceiling height of a parking building at street level should be capable of conversion to other activities provided for in the zone.

(c) compatibility with surrounding activities:

- (i) the facility is compatible with surrounding activities with particular regard to residential uses.

This includes:

- ensuring that the design and operation of any lighting meets the rules in Section E24 Lighting;
- ensuring that the design and operation of any park-and-ride or public transport facility meets the rules in Section E25 Noise and vibration.

(2) non-accessory parking:

(a) effect on the transport network:

- (i) the scale, design, management and operation of the facility and its access points will not have an adverse effect on the effective, efficient and safe operation of the transport network, including:
- the safety of pedestrians and cyclists;
  - amenity for pedestrians;
  - avoiding queuing onto the road and conflict at access points to the facility;
  - the operation of public transport services and related infrastructure; and
  - the effect of additional parking on trip generation from the site including during peak commuter times.

(b) location, design and external appearance:

(i) the location, design and external appearance of any non-accessory parking facility:

- compatible with and meets the planning and design outcomes identified in this Plan for the site and / or location generally;
- provides appropriate screening on the facade of any building so vehicles are not visible from the public realm;
- is accessible, safe and secure for users with safe and attractive pedestrian connections within the facility and to adjacent public footpaths;
- provides an attractive interface between any buildings, structures or at-grade parking areas and adjacent streets and public open spaces. Depending on location and scale, this includes:
  - maintaining an active frontage through sleeving and / or an interesting appearance through use of architectural;
  - treatments so that the facility contributes positively to the pedestrian amenity and to any retail, commercial or residential uses along the road it fronts;
  - planting and other landscaping;
  - provides for any buildings to be adapted for other uses if no longer required for parking. In particular, the floor to ceiling height of a parking building at street level should be capable of conversion to other activities provided for in the zone.

(c) compatibility with surrounding activities:

(i) the facility is compatible with surrounding activities with particular regard to residential uses.

This includes:

- ensuring that the design and operation of any lighting meets the rules in Section E24 Lighting;
- ensuring that the design and operation of any park-and-ride or public transport facility meets the rules in Section E25 Noise and vibration.

(d) availability of parking:

(i) the availability of alternative parking in the surrounding area, including on street and public parking;

- (i) the availability of parking provision in the immediate vicinity to accommodate existing and future parking demands from surrounding activities;
  - (ii) the extent to which the demand for the additional parking cannot be adequately addressed by management of existing or permitted parking; or
  - (iii) the extent to which the provision of additional parking is informed by the findings of a Comprehensive Parking Management Plan or similar analysis of area based parking supply and demand.
- (3) any activity or subdivision which exceeds the trip generation thresholds under Standard E27.6.1:
- (a) the effects on the function and the safe and efficient operation of the transport network including pedestrian movement, particularly at peak traffic times;
  - (b) the implementation of mitigation measures proposed to address adverse effects which may include measures such as travel planning, providing alternatives to private vehicle trips including accessibility to public transport, staging development, or contributing to improvements to the local transport network; or
  - (c) the trip characteristics of the proposed activity on the site.
- (4) any activity or development which provides more than the maximum permitted number of parking spaces under Standard E27.6.2(1):
- (a) the effects of the parking on the intensification provided for in this Plan in the following zones and locations: Business – City Centre Zone, Business – Metropolitan Centre Zone, Business – Town Centre Zone, Business – Local Centre Zone, Business – Mixed Use Zone and the Centre Fringe Office Control area;
  - (b) the trip characteristics of the proposed activities on the site requiring additional parking spaces;
  - (c) the effects of the vehicle movements associated with the additional parking spaces on the safe and efficient operation of the adjacent transport network, including public transport and the movements of pedestrians, cyclists and general traffic. This includes considering the effect of additional parking on trip generation from the site during peak commuter times;
  - (d) the availability of alternative parking in the surrounding area, including on street and public parking, to provide the additional parking sought for the proposal;



- (e) the availability of parking provision in the immediate vicinity to accommodate parking demands from surrounding activities;
  - (f) the adequacy and accessibility of public transport and its ability to serve the proposed activity;
  - (g) mitigation measures to provide the additional parking which may include measures such as by entering into a shared parking arrangement with another site or sites in the immediate vicinity; or
  - (h) the extent to which the demand for the additional parking can be adequately addressed by management of existing or permitted parking. Depending on number of additional parking spaces proposed, the number of employees, and the location of the site, this may be supported by a travel plan outlining measures and commitments for the activity or activities on-site to minimise the need for private vehicle use and make efficient use of any parking provided.
- (5) any activity or development which provides fewer than the required minimum number of parking spaces under Standard E27.6.2(1):
- (a) the amount of parking proposed is sufficient for the proposal having regard to:
    - (i) the nature of the operation including the interaction between activities on the site;
    - (ii) the availability and accessibility of the site by public transport serving the site;
    - (iii) the measures and commitments outlined in a travel plan for the site which will reduce the need for vehicle use to a level where parking demands can be satisfactorily addressed through efficient use of the proposed parking; or
    - (iv) the extent to which activities on the site have complementary parking demands.
  - (b) the effects of parking overspill from the reduction in parking on adjacent activities and on the transport network;
  - (c) the extent to which there is public parking on-street or off-street in the immediate vicinity with capacity and availability at the times required to serve the proposal;
  - (d) the extent to which the parking requirements of the proposal will be met by entering into a shared parking arrangement with another site in the immediate vicinity that has available parking spaces which are not required at the same time as the proposed activity;

- (e) the extent to which it is physically practicable to provide the required parking on the site including in terms of the existing location of buildings and the availability of access to the road; or
  - (f) if a character overlay applies to the site, the extent to which the provision of a minimum car parking requirement would detrimentally affect the character and features of the area or site identified by the overlay.
- (6) any activity or development which infringes the standards for bicycle parking and end-of-trip facilities in Standard E27.6.2(6) and Standard E27.6.2(7):
- (a) sufficient provision is made for cyclists and active modes and changes in demand for such facilities can be accommodated if the operation or use changes over time, having regard to:
    - (i) the nature of the operation and the likely demand for long and short-term cycle parking and end-of-trip facilities;
    - (ii) the extent to which the bicycle parking facilities are designed and located to match the needs of the intended users;
    - (iii) the extent to which adequate alternative, safe and secure bicycle parking and end of trip facilities (such as showers and lockers), that meet the needs of the intended users, are available in a nearby location that is readily accessible;
    - (iv) the extent to which the parking can be provided and maintained in a jointly used bicycle parking area; or
  - (b) the provision made for cyclists and active modes is practicable and adequate given site limitations and layout, arrangement of buildings and activities, users and operational requirements.
- (7) any activity or development which provides fewer than the minimum number of loading spaces under Standard E27.6.2(8):
- (a) effects of the loading arrangements proposed for the site on the safe and efficient operation of adjacent transport network;
  - (b) the specific business practice, operation or type of customer associated with the proposed activities;
  - (c) the extent to which an accessible and adequate on-street loading space is available nearby or can be created while having regard to other demands for kerbside use of the road;
  - (d) the extent to which loading can be provided informally on site or on another site in the immediate vicinity; or
  - (e) the extent to which the reduction in loading spaces will contribute to the efficient use of land and the growth and intensification provided for in this Plan.

- (8) any activity or development which infringes the standards for design of parking and loading areas or access under Standard E27.6.3:
- (a) effects on the safe and efficient operation of the adjacent transport network having regard to:
- (i) the effect of the modification on visibility and safe sight distances;
  - (ii) existing and future traffic conditions including speed, volume, type, current accident rate and the need for safe manoeuvring;
  - (iii) existing pedestrian numbers, and estimated future pedestrian numbers having regard to the level of development provided for in this Plan; or
  - (iv) existing community or public infrastructure located in the adjoining road, such as bus stops, bus lanes, footpaths and cycleways.
- (b) effects on pedestrian amenity or the amenity of the streetscape, having regard to:
- (i) the effect of additional crossings or crossings which exceed the maximum width; or
  - (ii) effects on pedestrian amenity and the continuity of activities and pedestrian movement at street level in the Business – City Centre Zone, Business – Metropolitan Centre Zone, Business – Town Centre Zone and Business – Local Centre Zone.
- (c) the practicality and adequacy of parking, loading and access arrangements having regard to:
- (i) site limitations, configuration of buildings and activities, user requirements and operational requirements;
  - (ii) the ability of the access to accommodate the nature and volume of traffic and vehicle types expected to use the access. This may include considering whether a wider vehicle crossing is required to:
    - comply with the tracking curve applicable to the largest vehicle anticipated to use the site regularly;
    - accommodate the traffic volumes anticipated to use the crossing, especially where it is desirable to separate left and right turn exit lanes;
      - the desirability of separating truck movements accessing a site from customer vehicle movements;
      - the extent to which reduced manoeuvring and parking space dimensions can be accommodated because the parking will be used by regular users familiar with the layout, rather than by casual users;

- (iii) any use of mechanical parking installation such as car stackers or turntables does not result in queuing beyond the site boundary; or
  - (iv) any stacked parking is allocated and managed in such a way that it does not compromise the operation and use of the parking area.
- (9) use of an existing vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(1):
- (a) effect on the transport network:
    - (i) effects of the location and design of the access on the safe and efficient operation of the adjacent transport network having regard to:
      - visibility and safe sight distances;
      - existing and future traffic conditions including speed, volume, type, current accident rate, and the need for safe manoeuvring;
      - proximity to and operation of intersections;
      - existing pedestrian numbers, and estimated future pedestrian numbers having regard to the level of development provided for in the this Plan; or
      - existing community or public infrastructure located in the adjoining road, such as bus stops, bus lanes and cycleways.
    - (b) street and pedestrian amenity:
      - (i) the effects on the continuity of activities and pedestrian movement at street level in the Business – City Centre Zone, Business – Metropolitan Centre Zone, Business – Town Centre Zone and Business – Local Centre Zone; or
      - (ii) the extent to which the existing crossing is to be upgraded as a part of the development so as to improve the visual amenity of the street.
- (10) construction of a new vehicle crossing where a Vehicle Access Restriction applies under Standard E27.6.4.1(1):
- (a) effect on the transport network:
    - (i) effects of the location and design of the access on the safe and efficient operation of the adjacent transport network having regard to:
      - visibility and safe sight distances;
      - existing and future traffic conditions including speed, volume, type, current accident rate, and the need for safe manoeuvring;
      - proximity to and operation of intersections;
      - existing pedestrian numbers, and estimated future pedestrian numbers having regard to the level of development provided for in this Plan; or

- existing community or public infrastructure located in the adjoining road, such as bus stops, bus lanes and cycleways.

(b) street and pedestrian amenity:

- (i) whether the new crossing is part of a site redevelopment that increases the proportion of a site's frontage developed as an active edge;
- (ii) whether the new crossing enhances, or at least maintains, the appeal of the street as an environment where pedestrians have priority and are likely to enjoy spending time in;
- (iii) whether any new or relocated crossing should be accompanied by mitigation measures to enhance overall pedestrian amenity this could include:
  - a reduction in overall vehicle crossing width;
  - weather protection for pedestrians;
  - significant enhancement to the visual interest of the site's frontage visible from the street; or
  - where appropriate, significant improvement in the width and or quality of the footpath.

(11) construction or use of a vehicle crossing where a Vehicle Access Restriction applies:

- (a) this applies where a Vehicle Access Restriction is identified in Standard E27.6.4.1(2) and Standard E27.6.4.1(3), other than a Vehicle Access Restriction Level Crossing or a Vehicle Access Restriction Motorway Interchange:
  - (i) effects of the location and design of the access on the safe and efficient operation of the adjacent transport network having regard to:
    - visibility and safe sight distances;
    - existing and future traffic conditions including speed, volume, type, current accident rate, and the need for safe manoeuvring;
    - proximity to and operation of intersections;
    - existing pedestrian numbers, and estimated future pedestrian numbers having regard to the level of development provided for in this Plan;
    - existing community or public infrastructure located in the adjoining road, such as bus stops, bus lanes and cycleways;
  - (ii) the effects on the continuity of activities and pedestrian movement at street level in the Business – City Centre Zone, Business –

Metropolitan Centre Zone, Business – Town Centre Zone and Business – Local Centre Zone; or

(iii) the practicability and adequacy of the access arrangements considering site limitations, arrangement of buildings and activities, user requirements and operational requirements, proximity to and operation of intersections, having regard to:

- the extent to which the site can reasonably be served by different access arrangements including:
  - access from another road;
  - shared or amalgamated access with another site or sites;
  - via a frontage road, such as a slip lane or service road;or
- the extent to which the need for access can reasonably be avoided by entering into a shared parking and/or loading arrangement with another site or sites in the immediate vicinity.

(b) for any proposed access within a Vehicle Access Restriction Motorway Interchange Control:

- (i) the intensity, scale and traffic generating nature of activities on the site are such that any adverse effects on the safe and efficient operation of the motorway interchange are avoided, remedied or mitigated; or
- (ii) the extent to which, when considered against other access opportunities for the site, comparable or better outcomes are achieved in terms of effects on the safe and efficient operation of the interchange.

(c) for any proposed access within a Vehicle Access Restriction Level Crossing Control:

- (i) effects on the safe and efficient operation of the level crossing; or
- (ii) the practicability and adequacy of the access arrangements having regard to site limitations, arrangement of buildings and activities, user requirements and operational requirements.

(12) any building or structure located within a sightline area applying to a road/rail level crossing with sightline standards under Standard E27.6.4.5:

- (a) effects on the safety of the level crossing for vehicles and pedestrians; or
- (b) effects on visibility and safe sight distances.

(13) any activity or development which infringes the standard for design and location of off-road pedestrian and cycling facilities under Standard E27.6.5:

- (a) location, design and external appearance:

- (i) the location, design and external appearance of any off-road pedestrian and cycling facility:
  - is legible and designed to provide for safe and convenient access for users, including safe connections with the existing road network;
  - creates minimal adverse effect on the vegetation, landform and character of the surrounding environment.

(b) compatibility with surrounding activities:

- (i) the facility is compatible with surrounding activities with particular regard to residential uses. This includes ensuring that the design and operation of any lighting meets the rules in Section E24 Lighting.

### **E27.9. Special information requirements**

(1) Parking plans submitted to Council must show:

(a) the locations and dimensions of any pillars and/or other structures that may restrict parking space, or inhibit access and manoeuvring, as well as clearances between parking spaces and vehicle tracking curves and those pillars and/or other structures; and

(b) the proposed gradients of parking, manoeuvring and access areas

New Zealand Standard for Off-Street Parking - Parking Facilities Part 1: Off-Street Car Parking (AS/NZS 2890.1 2004) may assist applicants in designing parking areas.

(2) Travel plan:

(a) a travel plan may be required as part of an assessment of environmental effects where a proposal exceeds the trip generation threshold, provides more parking than the maximums specified or fewer than the minimums specified. A travel plan will not be required where the infringement of the parking standards is minor in relation to the scale of the activity and associated parking proposed.

(3) Applications for off-site parking must include information to demonstrate that:

(a) the proposal provides off-site parking which is related exclusively to the parking requirements associated with activities located on other donor site(s) in the area;

(b) the off-site parking arrangements will be formalized on the land titles of all sites involved, including extinguishing the ability to provide accessory parking on the donor site(s); and

- (c) the parking has been transferred from the donor site(s) and the donor site(s) are required or permitted by the parking standards of this Plan to provide the number of parking spaces proposed.
- (4) The Council may require applications which affect the transport network, including proposals which exceed the trip generation threshold, to include a transport assessment prepared by suitably qualified transport planner or traffic engineer.
- (5) Any new activity or change to an existing activity, which is not specifically provided for in the activity tables in the applicable zone or is a non-complying land use activity, and which will generate 100 vehicles or more (any hour) may need to include an Integrated Transport Assessment prepared in accordance with the Auckland Transport Integrated Transport Assessment Guidelines in force at the time of the application.