

appendix 10

standards and

terms for parking

and loading

AP10 introduction

AP10.i This appendix deals with all requirements relating to parking and loading.

AP10.1 application of appendix 10

AP10.1.i Parking, loading and queuing must be provided and maintained on each site in accordance with this appendix:

- a) Where a building is constructed OR substantially reconstructed altered or added to, or
- b) Where it is proposed to construct, erect or alter one or more buildings or other works in stages and the total proposed construction, erection or alteration would if carried out other than in stages constitute a substantial reconstruction, alteration or addition. Provided that stage works that occurred two calendar years prior to the current proposal need not be counted, or
- c) Where there is a change in the use of any land or building, or
- d) When otherwise required by a rule in this Plan.

AP10.2 definitions



All weather surface

means a minimum of a layer of basecourse gravel generally all passing a 40mm sieve and compacted with a mechanical roller to a thickness above the subgrade of 150mm when compacted.

Note: The expression “150mm compacted AP40 basecourse (min)” shall have the same meaning as all weather surface. This expression should be used on plans and specifications for developments requiring an all weather surface under this Plan.

Drive - Through Activities

means an activity, other than a service station, where vehicles queue while awaiting service, or an activity in which the customer obtains, gains access to or orders goods or services from their vehicle and includes activities utilising vehicle control points such as remote ordering points or service booths.

Farming Activities

means an activity for growing crops (including trees) or breeding or rearing live stock animals and includes a hobby farm.

Clarity Note: For the purpose of this Appendix farm housing is classed as a residential activity.

Loading space

means an on-site marked space where vehicles load or unload goods or people.

Parking space

means a useable, on-site, formed, marked space where vehicles can park.

Passive Recreation Areas

means areas for informal recreation activities where the activity is carried out on an individual or ad hoc level and includes non commercial playgrounds.

Permanent Surface

means a drained hard and durable surface of bituminous chip seal, asphalt, concrete, interlocking paving blocks, or other such approved solid and durable paving (see figure 10, Appendix 11 - access standards) and includes a timber deck, where above ground level.

Professional Staff

means medical practitioners, dentists, physiotherapists, practice nurses and any other specialist employed at a health facility whose patients may consult for the provision of medical advice independently. For the purpose of this definition, it includes veterinary surgeons, but excludes medical receptionists and general nursing assistants.

Road

has the same meaning as in section 315 of the Local Government Act 1974 and includes a motorway as defined in section 2 (1) of the Government Roading Powers Act 1989.

Sports Courts

means an open, covered or enclosed area for playing court and greens sports and games.

Queuing Space

means a useable, on-site, formed space, which complies with the relevant standards in Appendix 9 & 10, where vehicles can stand while awaiting goods or services.

Queuing Lane

means an on-site vehicle access lane containing one or more queuing spaces, where vehicles can queue one behind the other, in line, while awaiting goods or services.

Vehicle Parking Facilities

means an activity where the service provided is parking for vehicles and includes commercial car and truck parks and also includes parking ancillary to the predominant activity, where the traffic flow or parking is controlled by means of a vehicle control point such as a service booth or automated entry control device.

AP10.3 calculation of parking spaces

AP10.3.i Parking spaces and queuing spaces must be provided as set out in 10.3.1, within the net area of every site at which the activity listed in 10.3.1 takes place.

AP10.3.ii Whenever a building is increased in floor area, or undergoes a partial or total change in activity, carparking or queuing requirements for the existing part of the building (if any) or that part remaining in the existing activity, shall remain unaltered. In this case the requirements relevant when the original activity, or part of it, shall continue to apply. Carparking and queuing requirements for the increased floor area or that area with a new or altered activity shall be calculated in accordance with Table 10.3.1.

AP10.3.iii Where the activity on the site involves more than one category of use listed in 10.3.1, the number of on-site parking spaces required on that site will be the sum of the requirements for each category.

For example, a retail shop, although the principal activity is a “Retail Activity”, may comprise selling areas, ancillary storage, a tea-room, workroom and circulation spaces (e.g. corridors). The parking rate required would be:

Part of Building or Site	Activity Category from Table 10.3.1
For the selling/ display area	Retail Activities
Workroom	Industrial Activity
Ancillary Storage	Storage ancillary to the principal activity
Circulation Areas Tea-rooms etc.	Ancillary Activities i.e. Retail Activities

When the assessment of the total number of parking spaces or queuing spaces results in a part space being involved, any fraction under one half will be disregarded. Fractions of one half or more will be counted as one parking space. However, the minimum amount of parking required for any activity shall be one parking space.

For example, 3.2 parking spaces will be rounded down to 3 required parking spaces but 3.5 parking spaces will be rounded up to 4 required parking spaces and for 0.4 of a parking space, one parking space will be required.

Table 10.3.1 - car parking and queuing space requirements

Activity	Car Parking or Queuing Spaces Required
Activities defined in N.3 of Schedule N	3 spaces per 100m ² GFA across the Site as defined in N1 of Schedule N
Ancillary Areas including circulation areas (e.g. corridors), conveniences, tea-rooms etc.	The rate required for the principal activity
Commercial Garages and Service Stations	1 space/40m ² of gross floor area or 2 spaces per site whichever is the greater, plus 4 spaces per workshop bay, 2 spaces per 3 employees on the site, 3 spaces per car wash, and 1 space per air hose
Cool Stores including controlled atmosphere storage	1 space/2000m ² of gross floor area
Drive-through Activities also see AP10.2	<p>a) on-sites gaining drive-through access off a road or roads classed as a SH, Arterial, Principal or a Proposed SH, Proposed Arterial or Proposed Principal road in Council's Road Hierarchy: 8 queuing spaces/site</p> <p>b) on all sites other than those sites gaining drive-through access off a road or roads classed as a SH 6, Arterial, Principal or a Proposed SH6, Proposed Arterial or Proposed Principal road in Council's Road Hierarchy: 4 queuing spaces/site shall be provided.</p> <p>Where a site gains drive-through access off more than one road and such roads fall in the Road Hierarchy category covered in both a) & b) above then 6 queuing spaces shall be provided on-site.</p>
Education Facilities (Pre-school and Primary)	1 space per staff member +1 space/12 students
Education Facilities (Secondary)	1 space/staff member + 1 space/50 students + 1 space/12 full time students over 15 years of age
Tertiary Education Facilities a) Nelson Marlborough Institute of Technology b) Other tertiary education facilities	<p>a) 350 parking spaces; or 1space per 7 EFTS (Equivalent Full Time Staff and Students) whichever is the greater (reducible by up to 10% as a discretionary activity subject to a management plan satisfactory to Council to reduce parking demand).</p> <p>b) 1 space per 5 EFTS</p>
Farming Activity	Nil
Health Facilities (excluding hospitals), and Veterinary Clinics	2 spaces/practitioner providing the service + 1 space/assistant.
Home Occupations	<p>The residential standard will apply. In addition:</p> <p>a) where the home occupation is an activity involving tuition to, instruction of or counselling of clients, in which case 2 spaces/principal providing the service + 1 space/assistant will also apply.</p> <p>b) where the home occupation is a Health Facility or Veterinary Clinic, in which case the standards for Health Facilities will also apply.</p> <p>c) where an additional person (or the equivalent of a full time person) who does not live on the site is involved in the activity, an additional space is required</p>
Hospitals, and Homes for the Aged	1 space/5 beds + 1 space/2 staff members (calculated from the staff numbers on the largest shift)
Industrial Activity	2 spaces/50m ² of gross floor area for the first 50m ² , and 1 space/50m ² of gross floor area thereafter.
Offices	1 space/30m ² of gross floor area.

Activity	Car Parking or Queuing Spaces Required
Outdoor Storage Yards	1 space/500m ² of site area used
Port Operational Area	1 space per 30m ² of gross floor area used for administrative offices plus 1 space per 2000m ² of site area used thereafter.
Places of Entertainment, Buildings For Private Or Public Assembly, Buildings For Community Use, Clubs and Places of Worship (includes funeral chapels, and Crematoriums.)	1 space per 20m ² of gross floor area or 1 space/10 seats provided whichever is greater.
Recreation Areas a) Passive Recreation Areas b) Cemeteries (also see Crematoriums under “Places of Worship”) c) Sports Courts d) Sports Fields (including golf courses) e) Swimming Pools	a) nil b) 10 parking spaces + 2 carparks for staff parking c) 1 space/ 50m ² of court area + 1 space/ 200m ² court area for staff -parking. d) 15 spaces /ha of pitch area + 1 space for staff parking. e) 1 space/10m ² pool area + 1 space/ 200m ² pool area for staff parking
Restaurants and Taverns	1 space/10m ² of gross floor area (where short-term living accommodation, or another activity is also provided, the parking requirements for these activities will also apply)
Residential Activity	A minimum of 1 space per residential unit must be provided. For residential units with more than 1 bedroom, the following applies (per residential unit) a) 2 spaces for 2 to 4 bedrooms. b) 3 spaces for 5 or more bedrooms. c) 1 extra space for rear sites on State Highways, Arterial and Principal Roads. Provided only the first 2 parking spaces per residential unit shall be counted in the building coverage - refer Meaning of Words- Building Coverage
Residential Activity (Heritage Precincts)	for residential units in heritage precincts: a) no spaces are required for the Dear Cottages in Rutherford Street b) all other precincts must provide 1 space per residential unit
Retail Activities, and Retail Services (for illustrative purposes, retail services includes personal or household services such as hairdressers, dry cleaners, servicing or repair of appliances or equipment and business and professional services such as lawyers or accountants. Retail activity includes things such as vehicle sales).	Premises or sites < 1000 m ² gross floor area: 1 space/30 m ² of gross floor area +1 space/40m ² gross floor area for outdoor display area, except for vehicle sales yards where 1 space/80m ² gross floor area is required +1 staff space/100 m ² gross floor area. Premises or sites ≥ 1000m ² gross floor area: 1 space/25m ² of gross floor area +1 space/40m ² gross floor area for outdoor display area, except for vehicle sales yards where 1 space/80m ² gross floor area is required +1 staff space/100m ² gross floor area.
Short Term Living Accommodation (see Meaning of Words)	Parking (including coach parking) for Short Term Living Accommodation is a Controlled Activity

Activity	Car Parking or Queuing Spaces Required	
Small Unmanned Network Utility Buildings (see Meaning of Words)	nil	
Service Stations (see Meaning of Words)	Queuing requirements: a) On-sites where drive through access to the pump islands are gained off a road or roads classed as a SH6, Arterial, Principal or a Proposed SH6, Proposed Arterial or Proposed Principal road in Councils Road Hierarchy: 2 queuing spaces/ entrance into the site b) On-sites where drive through access to the pump islands are gained off a road or roads other than roads classed as a SH 6, Arterial, Principal or a Proposed SH6, Proposed Arterial or Proposed Principal road in Council's Road Hierarchy: 1 queuing spaces/ entrance into the site c) 3 queuing spaces / car wash or drive-through vehicle service or inspection facility	
Storage ancillary to the principal activity	1 space/100m ² of gross floor area for the first 200m ² and 1 space/200m ² thereafter	
Vehicle Parking Facilities also see AP10.2	Number of Parking Spaces provided at Facility	Number of Queuing Spaces Required
	less than 20	nil
	21 - 49	1
	49 - 99	2
	100 - 199	4
	greater than 199	4 spaces for the first 199 parking spaces plus 1 space/25 parking spaces thereafter Provided where there is more than 1 vehicle access entry on which service to customers is to be provided, queuing spaces must be provided at every such vehicle entry. The amount of queuing spaces at every such vehicle entry shall be the total amount of required queuing spaces divided by the number of such vehicle entries, with a minimum of 1 queuing space for any facility with 20 or more parking spaces.
Warehouses including storage as the principal activity	1 space/100m ² of gross floor area for the first 200m ² and 1 space/200m ² thereafter	
Activities other than listed above	Indoor areas: 1/50m ² Outdoor Areas: 1/500m ² of site used in the activity	
	Note: parking for residential units in the City Centre Zone may be provided but is not required. Parking for residents will not be provided by the Council	

AP10.4 parking spaces for people with disabilities



AP10.4.i The Building Act 2004 includes requirements for the provision of parking for people with disabilities. The Building Act 2004 provisions must be complied with. In effect, some of the parking spaces required by this appendix may have to be designed in such a way that they are suitable for disabled parking as required in the Building Act 2004.

AP10.5 dimensions - parking spaces and set down areas



AP10.5.i Every parking space must be of a useable shape and condition and must meet the following requirements:

- a) An individual parking space must have the minimum dimensions of 3m wide and 5m long which provides sufficient space for the doors of a 90 percentile design car to be opened to allow a person to enter or exit the design car, and
- b) For two or more parking spaces (side by side) carparking spaces and access thereto must comply with one of the two methods described below. Applicants must state which of the two methods below has been used to achieve compliance:
 - i) Table 10.5.1 Method: Compliance with the parking layout provisions of Table 10.5.1 below, or
 - ii) 90 Percentile Car Method: Compliance with the 90 percentile car tracking curve detailed in Appendix 12 (tracking curves). Provided these minimum parking space dimensions must apply:

Side by Side Carparks: 5m long and 2.5m wide each, or

Parallel Carparks: 6m long and 2m wide each, and

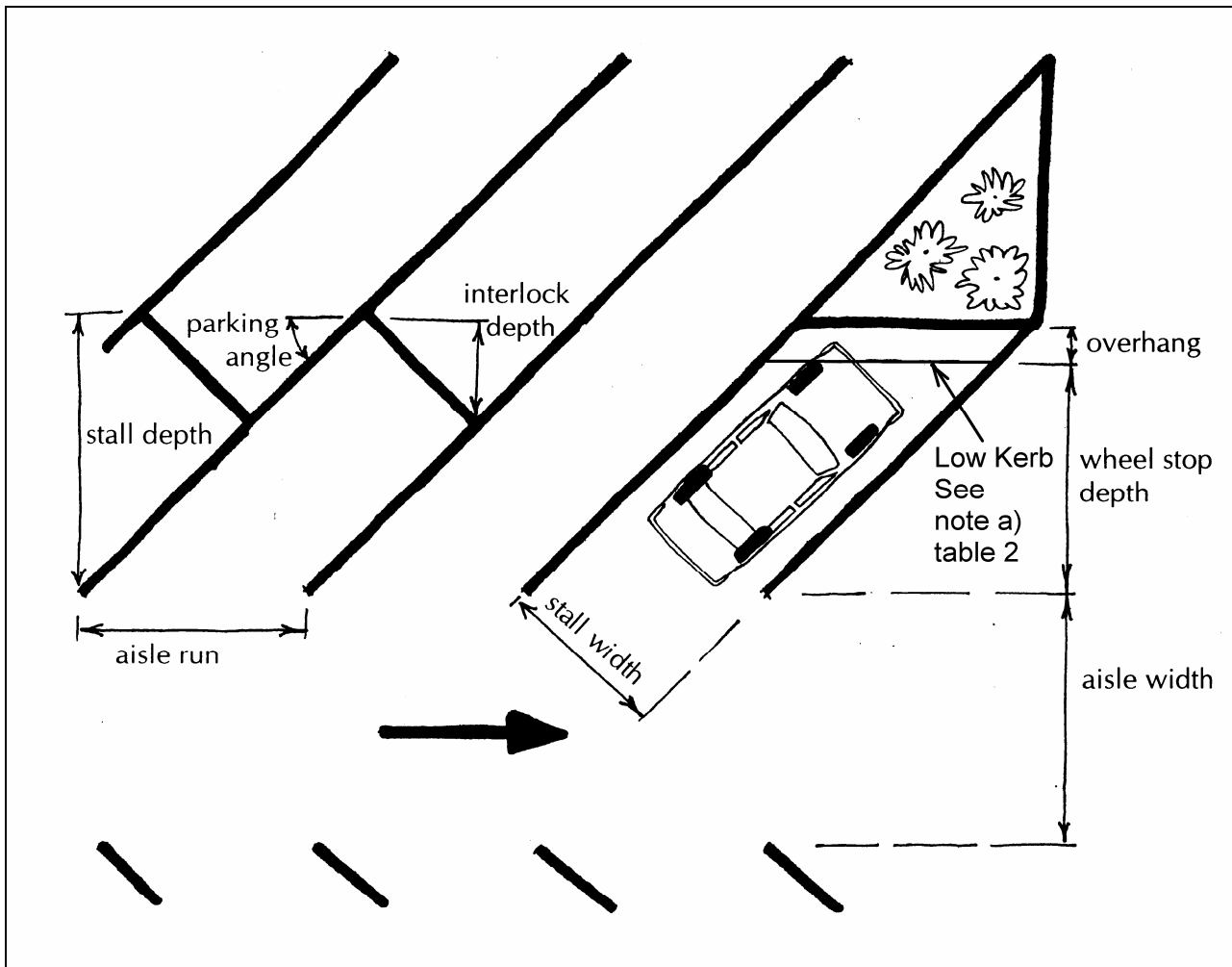
- c) The internal minimum height for any parking space and access thereto shall be at least 1.95m from the finished floor level.

Table 10.5.1 - parking layout (see figure below for example of use)

Parking Angle		Stall Width (m)	Aisle Width (m)	Aisle Run (m)	Stall Depth (m) (See Note a)	Overhang (m)	Wheel stop Depth (m)	Interlock Depth (m)	Stall Depth (Interlock only) (m)
90°	Class of User 1	2.4	7.0	-	-	-	-	-	-
		2.5	6.6	-	5.0	0.8	4.2	-	-
		2.6	6.2	-	5.0	0.8	4.2	-	-
	Class of User 2	2.5	8.0	-	5.0	0.8	4.2	-	-
		2.6	7.0	-	5.0	0.8	4.2	-	-
		2.7	6.6	-	5.0	0.8	4.2	-	-
People with disabilities		3.6	8.0	-	5.0	0.8	4.2	-	-
60°		2.5	4.5	2.9	5.4	0.8	4.6	1.2	5.5
		2.7	4.0	3.1				1.3	5.6
		2.9	3.5	3.4				1.4	5.7
		3.0	3.5	3.5				1.5	5.8
45°		2.5	3.8	3.5	5.0	0.7	4.3	1.8	5.3
		2.7	3.5	3.8				1.9	5.4
		2.9	3.5	4.2				2.0	5.5
		3.0	3.5	4.2				2.1	5.6
30°		2.5	3.5	5.0	4.4	0.6	3.8	2.1	4.6
		2.7	3.5	5.4				2.3	4.8
		2.9	3.5	5.8				2.5	5.0
		3.0	3.5	6.0				2.6	5.1
Parallel parking (except on St)			Stall length = 6.0		Stall width = 2.0		Aisle Width = 3.7		

AP10.5.ii Notes

- a) Stall Depth: this is the distance to an obstruction or potential obstruction including a wall, a fence, required landscaping, another vehicle or a place where a vehicle could stand, but does not include a low kerb over which a 90 percentile design car could overhang without contact to the design car.
- b) Class of User 1: long term parking, including tenant and employee parking (but not visitor parking) where regular use gives the motorist a familiarity with the building or parking area.
- c) Class of User 2: short to medium term parking, including visitor parking, parking associated with travellers accommodation and general town centre parking, and where goods can be expected to be loaded into vehicles.
- d) Intermediate values may be interpolated from the values listed in the table above.
- e) Two way flow is permitted with 90° parking.
- f) Aisle run distances are approximate only.
- g) Stall widths shall be increased 300mm where they abut obstructions such as walls or columns.
- h) Minimum One way Aisle width 3.7m (this requirement does not apply to residential activities).
- i) Minimum Two way Aisle width 5.5m (this requirement does not apply to residential activities).



AP10.6 loading spaces

AP10.6.i Except as exempted below, loading spaces must be provided within the net area of every site in accordance with Table 10.6.1. Whenever a building is increased in floor area, or undergoes a partial or total change in activity, loading requirements for the existing part of the building or that part remaining in the existing activity, shall remain unaltered. In this case the requirements relevant when the original activity, or part of it, was obtained shall continue to apply. Loading requirements for the increased floor area or that area with a new or altered activity shall be calculated in accordance with Table 10.6.1.

AP10.6.ii Loading spaces need not be provided for any of the following activities, unless otherwise required by a resource consent:

- a) Residential Activities (including Home Occupations);
- b) Farming Activities;
- c) Activities in the Coastal Marine Area or Conservation Zone
- d) Small Unstaffed Network Utility Buildings (see meaning of words)

Loading spaces need not be provided in any of these localities:-

- i) On any scheduled frontage shown on Planning Map 1,
- ii) On-sites with frontage to any public carpark at the Stoke Centre (see Meaning of Words)
- iii) On-sites with frontage to any roads, other than Main Road Stoke, at the Stoke Centre (see Meaning of Words)

Advisory Note - Council may control loading on roads and in public carparks by bylaws.

AP10.6.iii Where loading is voluntarily provided, or required by a resource consent, it must comply with the standards in this Plan.

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Table 10.6.1 - loading space, size, and swept path specification

Gross Floor Area of Activity	No. of Loading Spaces Required	Minimum Loading Space Size	Swept Path (see AP10.11 & Appendix 12)
Commercial, Educational, Health Facilities and other similar non goods handling activities:			
Activities with gross floor area of 30m ² up to 200m ²	1	6m length 3m wide 2.6m high Provided this loading space may be positioned behind an existing parking space on-site as long as it does not obstruct any other required parking or loading space or required vehicle access or manoeuvring	90 percentile car tracking curve
Activities with gross floor area over 200m ² up to 2500m ²	1	6m length 3m wide 2.6m high	90 percentile car tracking curve
Activities with gross floor area > 2500m ²	1	8m length 3.5m wide 4.4m high	90 percentile 2 axle truck tracking curve

Table 10.6.1 - loading space, size, and swept path specification, cont

Retail, Retail Services, Industrial and similar goods handling Activities:			
Activities with gross floor area of 10m ² up to 100m ²	1	6m length 3m wide 2.6m high	90 percentile car tracking curve
Activities with a gross floor area 100m ² to 2500m ²	1	8m length 3.5m wide 4.4m high	90 percentile 2 axle truck tracking curve
Activities with a gross floor area >2500m ²	1	20m length 3.5m wide 4.4m high	Semi Trailer tracking curve
Freight Depots, Carrier Depots, Land Transport Terminals, Bulk Stores, Warehouses, and similar activities			
Activities with gross floor area up to 200m ²	1	8m length 3.5m wide 4.4m high	90 percentile 2 axle truck tracking curve
Activities with a gross floor area >200m ² to 2500m ²	1	20m length 3.5m wide 4.4m high	Semi Trailer tracking curve
Activities with a gross floor area > 2500m ²	1/2500m ² (1 space min)	20m length 3.5m wide 4.4m high	Semi Trailer tracking curve

AP10.6.iv Notes:

- a) For the purpose of Table 10.6.1, where the principal activity does not take place within a building the term ‘gross floor area’ includes the ground area directly involved in that activity;
- b) Where an activity involves more than one of the above categories, the loading requirement must be determined on the principal activity of the site. Where the principal activity cannot be determined the higher loading requirement will apply;
- c) When the assessment of the number of loading spaces results in a part space being involved, any fraction under one half will be disregarded. Fractions of one half or more will be counted as one parking space.

Notwithstanding the above:

- i) where articulated trucks are used in connection with any site, sufficient space not less than 20m in length and not less than 4.4m high shall be provided.
- ii) each loading space required by the Plan shall have unobstructed vehicular access to a road or service lane.
- iii) parking spaces and loading spaces may be served in whole or in part by a common manoeuvre area which shall remain unobstructed.
- iv) where a coach parking space is required sufficient space not less than 14m in length, 3.5m in width and 4.4m high shall be provided.

AP10.7 loading spaces - special provisions for sites with more than one activity or tenant

AP10.7.i Where more than one tenancy or separate use is contained on a site then each individual tenancy or activity shall be provided with direct access to the loading space on that site. When it is necessary to provide such access within a building such access shall be a useable passageway not less than 1.2m wide (including any doorways measured between the door jambs).

AP10.8 surfacing of parking and loading spaces



AP10.8.i In Inner City, Suburban Commercial, Industrial, and Open Space and Recreation Zones the whole of the parking and loading spaces, vehicular entrances, access drives and aisles required by these rules must be formed, surfaced and maintained to a permanent surface (see Figure 10, Appendix 11 - tracking curves).

AP10.8.ii In the Residential Zone the following areas shall be permanently surfaced. See definitions in Appendix 10 (standards and terms for parking and loading) and Figure 10 in Appendix 11.

- a) all vehicular access from a public road from the sealed carriageway of the road to a point at least 5m into the site measured from the road boundary, and (Note: The purpose of this clause is to ensure that material such as mud, stone chips or gravel is not carried onto any footpath, road or service lane.)
- b) all vehicular access which serves more than one household unit or site, and
- c) all vehicular access with a gradient steeper than 1 in 5.

For the purpose of this clause the grade of a curve shall be measured around the inside edge. The minimum inside radius of curves shall be 4m.

Except as provided above, all vehicular access in the Residential Zone shall be formed to an all weather surface (see definition in Appendix 10 - standards and terms for parking and loading).

AP10.8.iii In the Rural Zone all vehicular access from a public road shall:

- a) be permanently surfaced (see definition in Appendix 10 and Figure 10 in Appendix 11) from the sealed carriageway of the road to a point at least 5m into the site measured from the road boundary, and
- b) comply with the requirements contained in Appendix 11.

AP10.8.iv In general:

- a) sites sloping towards the street will require storm water to be controlled on-site by a sump or other mechanism.
- b) the site must comply with these standards before the activity commences and be maintained to this standard for as long as the activity continues.
- c) conformity with the standards of access and construction set out in the Nelson City Council Engineering Standards will be considered to be compliance with the rule.

AP10.9 location of parking and loading areas

AP10.9.i All parking and loading spaces required by these rules must be located on the site of the activity they are intended to serve.

AP10.9.ii Any activity involving the sale, hire, servicing, or repair of vehicles shall be carried out entirely within the site to which the activity relates. No road, or part of a road, shall be used for carrying out any activity associated with the business, including the storage, repair, grooming or washing of vehicles, or parking of vehicles other than for the purposes of delivery, relocation, drop-off, or pick-up.

AP10.9.iii No part of any required parking or loading space or associated manoeuvring area may be located between a road widening designation as shown on the Planning Maps, and defined in Appendix 24 (designations), and the road boundary.

AP10.10 availability of parking and loading areas

AP10.10.i All required parking and loading spaces, manoeuvring areas, access drives and aisles must be kept clear at all times for the purpose of motor vehicle use and may not be used for any other purpose.

AP10.10.ii Except as exempted below a motor vehicle occupying any required parking or loading space must have ready access to a road at all times without the necessity of moving any other vehicle occupying a required parking or loading space.

- a) In the Residential Zone, Residential Activities (excluding Home Occupations) may have no more than 2 parking spaces located one behind the other, and may include spaces within a building.
- b) On-sites in the Inner City, Suburban Commercial and Industrial Zones which are less than 1000m² net site area, activities may have no more than 2 staff parking spaces located one behind the other provided:
 - Such parking spaces are not shared with another site, tenancy or enterprise, and
 - Such parking spaces are clearly marked in an approved manner as 'staff parking', and
 - Such parking spaces do not include accessible car parking spaces (for use by people with disabilities), and
 - As otherwise permitted under Table 10.6.1.

AP10.11 manoeuvring/non-reversing streets



AP10.11.i Every off street parking, loading and queuing space must be provided with such access drives and aisles as are necessary for the access of vehicles to and from the vehicular entrance to the road and for any required manoeuvring of vehicles within the site.

AP10.11.ii The design of all required parking spaces and loading spaces must be such that manoeuvring is provided for the swept path of the vehicles in Appendix 12 (tracking curves).

AP10.11.iii No reverse manoeuvring onto or off a road is permitted where:

- a) a site bounds any road other than a local road as set out in the Road Hierarchy on Planning Map A2.1 or A2.2, or
- b) where any vehicle entrance serves more than 3 required car parking and/or loading spaces, or
- c) a rear site has access provided by a mutual right of way, or
- d) vehicular access to the site is from a road with a legal speed of 80kmh or greater.

AP10.11.1 tracking curves for carparking:



AP10.11.1.i Carpark manoeuvring must comply with the 90-percentile car tracking curve shown in AP12.1. Compliance with Table 10.5.1 (parking layout) of this appendix, will be deemed to be compliance with the 90 percentile car tracking curve. Where a Coach parking space is required manoeuvring must comply with the Tour Coach tracking curve (See AP12.6 - 90 percentile tour coach tracking curve).

AP10.11.2 tracking curves for loading:



AP10.11.2.i Where loading spaces are required or voluntarily provided they must comply with the particular tracking curve identified in Ap10.8 (surfacing of parking and loading spaces), Table 10.6.1 (loading space, size, and swept path specification) and that tracking curve specification in Appendix 12 (tracking curves).

AP10.11.2.ii Where a Coach parking space is required manoeuvring must comply with the tracking curve for the Tour Coach (See Ap12.6 - 90 percentile tour coach tracking curve).

AP10.11.2.iii Activities or sites covered by a) - d) above must provide on-site turning complying with the appropriate tracking curve (90 percentile design car, minimum)

AP10.11.2.iv A turning space complying with the appropriate tracking curve (90 percentile design car, minimum) shall be provided so that no reverse manoeuvre exceeds 30m.

AP10.12 gradient of parking spaces

AP10.12.i Parking spaces must have a gradient of no more than 1 in 16 in any one direction except in the Residential Zone where the maximum gradient is 1 in 8.

AP10.13 access design

AP10.13.i Refer to Appendix 11 (access standards) for access design, location, gradients, and break over angles.

AP10.14 queuing

AP10.14.1 application

AP10.14.1.i Provision for queuing facilities on-site is required for 3 classes of activities: Drive-Through Activities, Service Stations and Vehicle Parking Facilities with 20 or more parking spaces.

AP10.14.1.ii The number of queuing spaces provided must be in accordance with Table 10.3.1 provided the number of queuing spaces may be reduced to 1 space, for service stations or drive-through facilities, if

- a) There is an adjacent vehicle moving lane which:
 - i) is served by an adjacent vehicle control point, and
 - ii) allows vehicles to move in the same direction as in the main queuing lane, and
 - iii) has a minimum width of 2.6m, and
 - iv) complies with manoeuvring, access, formation and marking standards for a queuing lane, or
- b) The amount of required parking that is provided is increased by 10%.

AP10.14.2 queuing space and queuing lane on-site layout



AP10.14.2.i Every queuing space must be of a useable shape and condition, be wholly contained on the site it is intended to serve, within a queuing lane and comply with the following requirements:

- a) A queuing space must be not less than 6m long and 2.6m wide, and
- b) All queuing spaces must be located in a nose to tail fashion in the queuing lane between the vehicle entrance on the site boundary and the nearest vehicle control point and but shall not obstruct parking, required loading or other required queuing areas and access thereto, and
- c) All queuing spaces and the queuing lane must be formed and maintained to a permanent surface, and
- d) The queuing lane is to comply with the 90 percentile car tracking curve (see AP12.1 - clearances additional to tracking curves) or any larger tracking curve which may be required under clause h) below, and
- e) The traffic direction in the queuing lane is to be one way only provided this shall not apply to fuel dispensers in service stations. However, no reverse manoeuvre on or off any road is permitted, and

- f) Traffic conflicts which may impede traffic flow to or from the vehicle control point along the queuing lane are not permitted i.e. many access lanes to one vehicle control point is not permitted (e.g. a merging lane) but one access branching to many vehicle control points will be permitted (eg: multi island fuel dispensers), and
- g) With the exception of queuing lanes associated with fuel dispensers in service stations, the queuing lane is to be permanently marked on the pavement surface together with such traffic control direction as will contribute to its safe use, and
- h) Where the drive-through activity or vehicle parking facility is intended predominantly for vehicles larger than cars then the queuing space, manoeuvring area, formation and marking must be adequate to suit the predominant vehicle to be used. In such cases the minimum standard is the 90 percentile 2 axle truck shown in Appendix 12 (tracking curves).

Figure 1: queuing lane & queuing space showing required on-site arrangement

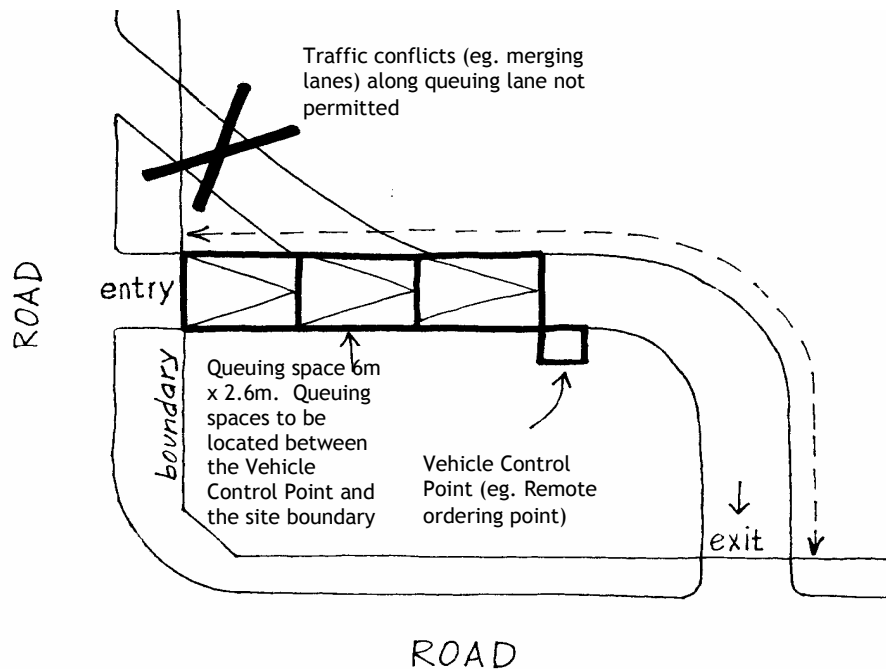


Figure 2 - One to Many Type Queuing Lane of the Type Permitted under App10.14 (6).

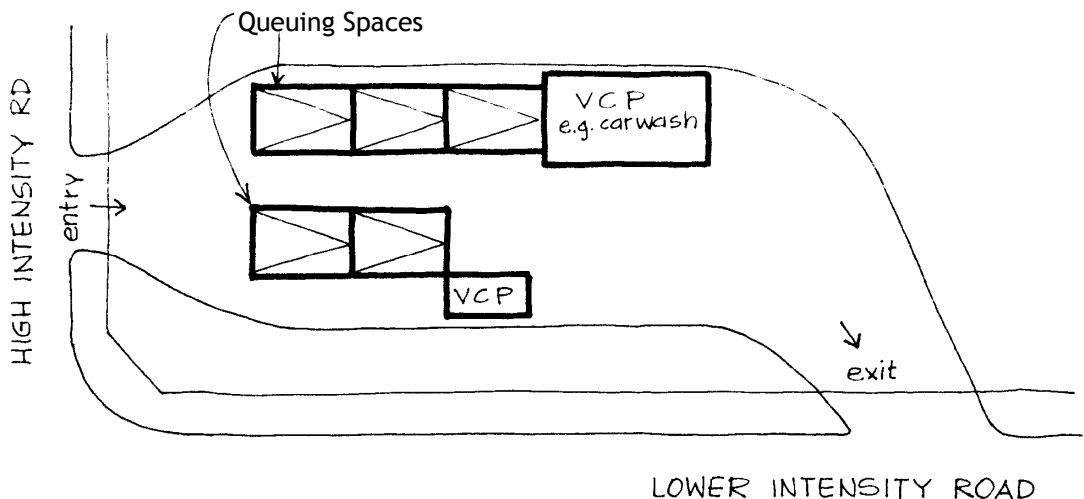
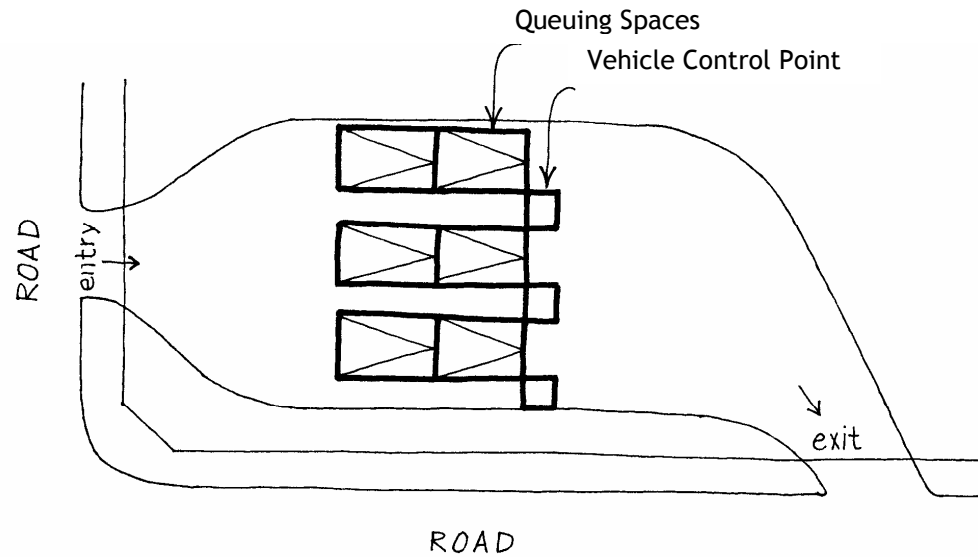


Figure 3: Example of Queuing Layout for a Service Station Activity



AP10.15 assessment criteria for resource consents

AP10.15.1 general

AP10.15.1.i In considering resource consents for land use activities, in addition to the applicable provisions of the Act, the Council shall apply the relevant Assessment Criteria set out below.

AP10.15.2 assessment criteria

AP10.15.2.i In considering whether or not to grant consent or impose conditions, the Council shall have regard to but not be limited by the following specific assessment criteria.



a) Parking, queuing and loading provision

- i) Whether it is physically practicable to provide the required parking, manoeuvring, queuing or loading spaces on the site in terms of the existing location of buildings, access to the road, topography and utility location
- ii) Whether there is an adequate alternative supply of parking or loading spaces in the vicinity which:
 - a) is sited within easy walking distance of the development;
 - b) does not require people to cross heavily trafficked roads to access the development thus jeopardising pedestrian safety and road function;
 - c) is clearly associated with the development through signs or other means;
 - d) has a legal agreement bonding the parking or loading to the development;
 - e) is surrounded by appropriate land use activities with which the parking or loading is compatible.

Note: Other than in the Residential Zone on lightly trafficked streets with adequate on street parking, in general, on-street parking, queuing and/or loading spaces is not considered an alternative.

- iii) Whether there is another site in the immediate vicinity that has available parking or loading spaces which are not required at the same time as the proposed activity. In such a situation the Council will require the associated parking or loading spaces to be secured in some manner.
- iv) Whether a demonstrably less than normal incidence of parking, queuing or loading will be generated by the proposal, such as due to specific business practice, type of customer, the particular characteristics of the intended residential occupants, vehicles servicing the site or vehicles servicing the occupants of the site, bus transportation

- v) Whether the Council is anticipating providing public parking that would serve the vicinity of the activity, and whether a cash payment towards such public parking can be made in lieu of part or all of the parking requirement (refer to Chapter 6 Financial Contributions)
 - vi) Whether a significant adverse effect on the character and amenity of the surrounding area will occur as a result of not providing the required amount of parking, manoeuvring, queuing or loading space.
 - vii) The extent to which the safety of pedestrians, particularly children, will be affected by the reduction or non provision of parking, queuing or loading spaces or by being set down on-street.
 - viii) The extent to which the safety and efficiency of the surrounding roading network would be adversely affected by parked, queued and manoeuvring vehicles on the roads.
 - ix) Any cumulative effect of the lack of on-site parking, queuing and loading spaces in conjunction with other activities in the vicinity not providing the required number of parking, queuing or loading spaces or by reducing the required manoeuvring space
 - x) The extent to which there is a reduction in the availability of on-street parking.
 - xi) The extent to which activities proposed will generate more or less parking, queuing and/or loading demand than is required by this Plan and the adequacy of the proposed facilities to meet the demand.
 - xii) Whether parking and/or loading can be provided and maintained in a jointly used parking area where the number of parking and/or loading spaces provided is equivalent to the sum of requirements for each activity.
 - xiii) Where the development is located in a Residential Zone or an Open Space and Recreation Zone, the effect the provision of parking, queuing and/or loading has on the purposes of these zones and on their environmental results anticipated.
 - xiv) The extent to which the reduction in the amount of parking, queuing and/or loading spaces will affect the ability of future activities on-site to meet the parking, queuing and/or loading spaces requirements.
 - xv) The extent to which the reduction in the amount of parking, queuing and/or loading spaces will affect the ability of people with disabilities to gain convenient access to the activity or development.
- b) Parking, queuing and loading area and entranceway design**
- i) Any adverse effects on the safety and security of people and vehicles using the facility.
 - ii) The extent to which the safety of pedestrians, both on and off the site will be affected.
 - iii) Any adverse effects on the amenity and character of surrounding properties and public areas.
 - iv) The extent to which there could be any adverse effect on the safety and efficiency of the frontage road.
 - v) The extent to which any reduction in the design characteristics could result in the parking, queuing and loading area and/or access and manoeuvring areas being impractical, inconvenient or unsafe to be used by vehicles or pedestrians.
 - vi) Any cumulative effect of the reduction in the design characteristics in conjunction with the effects generated by other activities on the frontage road.
- c) Particular Assessment Criteria relating to Short Term Living Accommodation**
- In considering a controlled activity and whether or not to impose conditions, the Council shall, in addition to the above, have regard to but not be limited by the following specific assessment criteria.
- i) The type of person catered for at the accommodation and the type of transport they use and the frequency of use.
 - ii) The type, size and frequency of vehicles (including buses, taxis, service and staff vehicles) used to service the accommodation.
 - iii) The extent to which safe loading and unloading of coach passengers is capable of being provided whether coach parking is provided on or off site.



- iv) The extent to which there is adequate and safe parking for coaches without adversely affecting traffic and pedestrian function and/or safety (including adequate sight distance to or from the site) of the surrounding road network.
- v) The extent to which the traffic and pedestrian function and/or safety of the surrounding road network will be adversely affected by extra parked and manoeuvring vehicles and coaches.

d) Parking and loading spaces - location, method and appearance

Conditions may be imposed to ensure that the parking and loading spaces are:

- i) Sited within easy walking distance of the development;
- ii) Suitable for the character, intensity and scale of development;
- iii) Clearly associated with the development through signage or other means.
- iv) Bonded to the development by a legal agreement.
- v) Surrounded by appropriate land use activities with which the parking or loading is compatible.
- vi) Landscaped to an appropriate standard.
- vii) Bonded to the user by a covenant or some other legal protection where parking or loading spaces are to be off-site to ensure continued availability.
- viii) Less likely to detrimentally affect the safety of the roading network or pedestrian safety;
- ix) Available at times when the parking or loading demand for the activity occurs.

e) Queuing spaces and queuing lanes - location, method and appearance

Conditions may be imposed to ensure that any queuing spaces and queuing lanes are:

- i) Suitable for the character, intensity and scale of development;
- ii) Less likely to detrimentally affect the safety of the roading network or pedestrian safety;
- iii) Bonded to the user or development by a covenant or some other legal protection where parking or loading spaces are to be off-site to ensure continued availability;
- iv) Available at times when the demand for the activity occurs.

AP10.16 reasons for rules

AP10.16.1 parking and loading space requirements



AP10.16.1.i The provision of off-street parking and loading for each activity minimises the adverse effects on the safety and efficiency of the road from on-street parking, loading and manoeuvring vehicles. It also enables the retention of on-street parking for short-term visitors to an area, particularly in residential areas where on-street parking is needed for the convenience of visitors to residential properties. Provision of off-street parking also improves the visual amenity of streets by reducing the level of long term on-street vehicle parking.

AP10.16.1.ii The parking requirements have been categorised under broad activity headings each of which generate different parking requirements. Surveys of the parking generation of different activities provide a basis for the standards for calculating the number of parking spaces required. The parking standards for most activities have been set at a level which provides for the off-street parking requirements for all but the very busiest times.

AP10.16.1.iii It is not always appropriate to require the full provision of off-street parking needed to satisfy demand. Cultural, conservation and educational facilities often provide large areas of open space and high amenity values which would be lost if large areas were turned into formed parking spaces.

AP10.16.2 parking and loading area design



AP10.16.2.i The design of the parking and loading areas are based on 90-percentile design vehicles. The dimension of these vehicles and their associated turning circle requirements are such that 90% of the vehicles in New Zealand comply with their requirements. Critical manoeuvre areas have been calculated to allow 99% of vehicles to use them. These areas are bounded by immovable objects such as walls and columns and it is therefore important to provide the space to allow vehicles to manoeuvre easily.

AP10.16.2.ii Controls over the surfacing of parking and loading areas have been included to protect the amenity of surrounding properties and public places from noise and dust nuisance. The controls are also intended to avoid deterioration of road and footpath surfaces or vehicle and pedestrian safety through loose surfacing material being carried onto footpaths, roads or service lanes.

AP10.16.2.iii Controls on the gradient of parking areas have been included so that it is safe and easy for people to get into and out of their vehicles.

AP10.16.3 reverse manoeuvring



AP10.16.3.i On-site manoeuvring is required for all sites on arterial roads, shared accesses, and where a large number of vehicle movements onto and off a site are expected. This helps to protect the efficiency and safety of the roads by minimising the number of vehicles required to reverse onto or off a site, which is the cause of approximately 10% of accidents at driveways. Arterial, principal and collector roads have the most protection applied to them as their function is to carry the largest volumes of traffic at the highest level of efficiency.

AP10.16.4 queuing spaces

AP10.16.4.i Queuing spaces and queuing lanes are required at the entrance to vehicle based service areas for Drive-Through Activities, Service Stations and Vehicle Parking Facilities to provide an area off the street for vehicles to queue while waiting for goods or services, or for a parking space. This protects the safety and efficiency of the frontage road from the effects of vehicles requiring to queue on the street, blocking traffic lanes, or causing pedestrians to leave the footpath in order to move across queued traffic.