Chapter 14: Infrastructure and Energy

Proposed Waikato District Plan Stage I (Notified version)



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Chapter 14: Infrastructure and Energy

14.1 Introduction

- (I) The provisions within this Infrastructure and Energy chapter of the district plan shall apply across the district in all the zones and overlays in the district plan. The zone chapters and their associated overlays, objectives, policies and rules do not apply to infrastructure and energy activities unless specifically referred to within this Infrastructure and Energy chapter.
- (2) This infrastructure topic includes the land transport networks, network utilities operations, and electricity generation (including renewable electricity sources) and transmission. It should be noted that this chapter also contains a number of rules (such as on-site car parking and stormwater management) relating to district-wide land development activities; and as such these particular rules should be read in conjunction with the relevant zone chapters where applicable.
- (3) The Identified areas within the activity tables below covers the following areas and items identified within this plan:
 - a. Urban Expansion Area
 - b. Significant Natural Area
 - c. Outstanding Natural Feature
 - d. Outstanding Natural Landscape
 - e. Significant Amenity Landscape
 - f. Outstanding Natural Character
 - g. High Natural Character
 - h. Heritage Precinct
 - i. Heritage Items
 - j. Maaori Sites of Significance
 - k. Maaori Areas of Significance
 - I. Notable Trees
- (4) In the activity tables within this chapter, the letters below mean the following:
 - a. P = Permitted Activity
 - b. C = Controlled Activity
 - c. RD = Restricted Discretionary Activity
 - d. D = Discretionary Activity
 - e. NC = Non-Complying Activity
 - f. N/A = Not Applicable
- (5) Where relevant, the requirements of the National Code of Practice for Utility Operators' Access to Transport Corridors will apply to the placement, maintenance, improvement and removal of utility structures in roads (or unformed roads).
- (6) The requirements of the Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulations 2009 ("NESETA") apply directly to the operation, maintenance, upgrading, relocation or removal of transmission line(s) that were operating or able to be operated on or before 14 January 2010 and remain part of the National Grid. In the case of conflict with any other provision of this plan, including any provision in the activity table in this section, the NESETA provisions shall prevail.
- (7) The Resource Management (National Environmental Standards for Telecommunication Facilities)
 Regulations 2016 ("NESTF") provides national consistency in the rules surrounding the deployment of telecommunications infrastructure across New Zealand. This means that many telecommunications facilities may potentially be deployed as a permitted activity. However, telecommunications facilities

which do not comply with the conditions within the NESTF, or are not covered by the regulations of the NESTF, will have the activity status specified in this plan.

This chapter is organised into the following rule sections:

- 14.2 Rules applying to all infrastructure
- 14.3 General infrastructure
- 14.4 National Grid
- 14.5 Electrical distribution
- 14.6 Electricity generation
- 14.7 Liquid fuels and gas
- 14.8 Meteorological
- 14.9 Amateur radio
- 14.10 Telecommunications and radiocommunications
- 14.11 Water, wastewater and stormwater
- 14.12 Transportation

14.2 Rules applying to all infrastructure

14.2.1 Permitted Activities

(a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply to all infrastructure throughout the District.

Activity		Activity specific conditions	
ΡI	New infrastructure	14.2.1.1	
		 (I) Any new infrastructure activity and associated structures listed as a permitted activity within Chapter 14 must meet all of the following conditions: (a) Not exceed 10m² in area above-ground; (b) Not exceed 2.5m in height; (c) Comply with the height in relation to boundary limits for the zone in which it is located; 	
		 (d) Comply with the height in relation to boundary limits for the adjoining zone, if located in road or unformed road; 	
		(e) Not exceed the relevant noise limits that are applicable to that zone, when measured at the nearest boundary of the site;	
		(f) Any other relevant conditions applying to that activity listed	

		within Rules 14.3–14.12.
		(2) The conditions in Rule 14.2.1.1(1) do not apply to:
		 (a) Activities with specific conditions relating to area, height, location and noise listed elsewhere within Rules 14.3–14.12; (b) Roads or other lineal transport networks; (c) Road network activities, which include lighting and signage structures; and (d) Activities subject to National Environmental Standards Telecommunication Facilities 2016.
P2	Construction noise	14.2.1.2
		(I) Construction, maintenance, repair, replacement, upgrading or removal of infrastructure or the installation of new infrastructure must comply with NZS 6803:1999 Acoustics — Construction noise.
P3	Any activity emitting	14.2.1.3
	electric and magnetic fields	(1) Compliance with the International Commission on Non-ionising Radiation Protection Guidelines for limiting exposure to time varying electric and magnetic fields (1Hz – 100kHz) (Health Physics, 2010, 99(6); 818-836) and the recommendations from the World Health Organisation monograph Environmental Health Criteria (No 238, June 2007.
P4	Any activity emitting radio	14.2.1.4
	frequency fields	(1) Radio frequency fields must not exceed the maximum exposure level of the general public in the New Zealand Standard for Radiofrequency Fields Part 1: Maximum Exposure Levels 3 kHz to 300GHz (NZS 2772.1: 1999) measured at all places reasonably accessible to the general public.

14.2.2 Restricted Discretionary Activities

(a) The activities listed below are restricted discretionary activities.

Activity		Matters of Discretion	
RDI	New infrastructure that does not comply with one or more of the conditions of Rule 14.2.1.1	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, landscape, streetscape and amenity effects; (c) Noise levels.	
RD2	Construction noise that does not comply with Rule 14.2.1.2	Discretion is restricted to: (a) Effects on amenity values; (b) Hours of construction; (c) Noise levels; (d) Timing and duration; and (e) Methods of construction.	

14.2.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Any infrastructure not specifically listed within Chapter 14, including associated earthworks, not
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located within an Identified Area

14.2.3 Non-Complying Activities

(a) The activities listed below are non-complying activities.

NCI	Any activity that does not comply with the electric and magnetic field emissions standard in Rule
	14.2.1.3
NC2	Any activity that does not comply with the radio frequency fields standard in Rule 14.2.1.4
NC3	Any infrastructure not specifically listed within Chapter 14, including associated earthworks, located within an Identified Area

14.3 General infrastructure

14.3.1 Permitted Activities

(a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.

Activity		Activity specific conditions	
PI	The operation, maintenance, repair and removal of existing infrastructure	Nil	
P2	Minor upgrading of existing infrastructure	 (1) The realignment, configuration, relocation or replacement of infrastructure and associated structures that meet all of the following conditions: (a) Are within 5m of the existing alignment or location; (b) Do not increase the height of any existing pole or support structure by more than 15%; (c) Do not increase the diameter (width) of any existing pole or support structure by more than 15%; (d) Do not increase the diameter of any existing aboveground pipe by more than 15%; and (e) Do not increase the area of any existing above-ground structure by more than 15%. 	
		 (2) Alterations and additions to overhead electricity and telecommunication lines on existing poles or support structures involving any of the following: (a) The addition of conductors to form a twinned or duplex-pairing; (b) The reconductoring of the line with higher capacity conductors; (c) The resagging of conductors; (d) The addition of longer, more efficient insulators; 	

		(a) The addition of south witness (which were south)
		(e) The addition of earth wires (which may contain
		telecommunication lines), earthpeaks and lightning rods;
		(f) The addition, replacement or relocation of transformers;
		(g) The addition, replacement or relocation of circuits and
		conductors;
		(h) The addition or replacement of telecommunication lines
		and fittings;
		 (i) The replacement of existing crossarms with crossarms of an alternative design;
		<u>~</u>
		(j) The increase in voltage of electric lines up to 110kV; or
		(k) The installation of mid-span electricity poles in existing networks to address clearances in New Zealand Electrical
		Code of Practice for Electrical Safe Distances 34:2001
		ISSN 0114-0663 (NZECP34:2001).
		(3) The addition, replacement or relocation of existing antennas
		where:
		(a) The antennas shall not increase in area by more than 20%
		of the relevant permitted standard for new antennas; and
		(b) The antennas shall not increase in height by more than
		20% of the relevant permitted standard for new antennas.
		(4) Earthworks activities associated with the minor upgrading of
		existing infrastructure must comply with the conditions of
		Rule 14.3.1.3.
		(5) The minor upgrading of existing infrastructure must not
		remove any tree identified in Schedule 30.2.
		(6) Any trimming of a tree identified in Schedule 30.2 associated
		with the minor upgrading of existing infrastructure must be
		undertaken in accordance with the conditions of Rule 14.3.1.4.
P3	Temporary infrastructure	14.3.1.2
P3	Temporary infrastructure	14.3.1.2
P3	Temporary infrastructure	(1) Installation and operation of temporary infrastructure that
P3	Temporary infrastructure	(1) Installation and operation of temporary infrastructure that meets all of the following conditions:
P3	Temporary infrastructure	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from
P3	Temporary infrastructure	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works;
P3	Temporary infrastructure	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works;
P3	Temporary infrastructure	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and
P3	Temporary infrastructure	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1)
		 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total.
P3	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1)
		 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total.
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions:
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity;
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m³
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m³ and an area of more than 5m² for any single activity; (d) Erosion and sediment controls are implemented and
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m³ and an area of more than 5m² for any single activity; (d) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the
	Earthworks activities	 (1) Installation and operation of temporary infrastructure meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m³ and an area of more than 5m² for any single activity; (d) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the earthworks activity;
	Earthworks activities	 (1) Installation and operation of temporary infrastructure meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m³ and an area of more than 5m² for any single activity; (d) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the earthworks activity; (e) All fill material used must be cleanfill;
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m³ and an area of more than 5m² for any single activity; (d) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the earthworks activity; (e) All fill material used must be cleanfill; (f) Areas exposed by earthworks activities are to be
	Earthworks activities	 (1) Installation and operation of temporary infrastructure that meets all of the following conditions: (a) Any buildings and/or structures must be removed from the site on completion of the works; (b) The ground must be reinstated on completion of works; and (c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total. 14.3.1.3 (1) Any earthworks associated with infrastructure must comply with all of the following conditions: (a) Do not exceed a volume of more than 2,500m³ for any single activity; (b) Do not exceed an area of more than 2,500m² for any single activity; (c) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m³ and an area of more than 5m² for any single activity; (d) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the earthworks activity; (e) All fill material used must be cleanfill;

		/-\ F	
		(g) Earthworks shall not obstruct or divert any overland flow path or result in changed sto	
		drainage patterns on another site;	
		(h) Earthworks are not located within any Hist sites identified within Appendix 30.1	toric Heritage
		Rule 14.3.1.3(1)(f) does not apply to earthwork	required to
		establish a foundation or surface that will ultimate	ately be sealed
		or constructed upon.	
		 Earthworks associated with infrastructure in La Natural Character Areas must not: 	ndscape and
		(a) Exceed 1.5m in height in relation to the cur	t or fill batter
		face; and	e or im baccer
		(b) Use imported soil, other than the placement	nt of
		aggregate/metal on any access track or in a	
		laying underground infrastructure; and	
		(c) Disturb or move more than 50m3 or exce	ed an area of
		250m2 in a Significant Amenity Landscape s	and dune over
		any consecutive 12 month time period; and	i
		(d) Disturb or move more than 50m3 or exce	ed an area of
		250m2 in a High or Outstanding Natural C	haracter area
		of the coastal environment over any conse	cutive 12
		month time period; and	
		(e) Disturb or move more than 50m3 or exce	ed an area of
		250m2 in an Outstanding Natural Feature	-
		Natural Landscapes over any consecutive I	2 month time
		period.	
P5	Trimming, maintenance or	.3.1.4	
	removal of vegetation or trees associated with infrastructure	Any trimming, maintenance or removal of veget	tation or trees
		associated with infrastructure that meet all of the	
		conditions:	he following
		conditions: (a) No tree identified in Schedule 30.2 is removed to the second conditions: (b) Any required trimming of a tree identified in the second conditions:	he following oved;
		 conditions: (a) No tree identified in Schedule 30.2 is removed. (b) Any required trimming of a tree identified 30.2 is either: 	he following oved; in <mark>Schedule</mark>
		conditions: (a) No tree identified in Schedule 30.2 is removed is either: (b) Any required trimming of a tree identified is 30.2 is either: (i) To remove dead, dying, or diseased brown in the schedule 30.2 is either:	he following oved; in <mark>Schedule</mark> ranches and the
		conditions: (a) No tree identified in Schedule 30.2 is remote the second in Schedule 30.2 is remote the second in Schedule 30.2 is either: (i) To remove dead, dying, or diseased brother tree work is undertaken by a works are (ii) The maximum branch diameter does not second in Schedule 30.2 is remote the second in Schedule 30.2 is re	he following oved; in Schedule ranches and the rborist; or not exceed
		conditions: (a) No tree identified in Schedule 30.2 is removed is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are some interest of the maximum branch diameter does not some interest.	he following oved; in Schedule ranches and the borist; or not exceed 10% of live
		conditions: (a) No tree identified in Schedule 30.2 is removed is either: (b) Any required trimming of a tree identified is 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are (ii) The maximum branch diameter does rown at severance and no more than foliage growth is removed over any co	he following oved; in Schedule ranches and the borist; or not exceed 10% of live
		conditions: (a) No tree identified in Schedule 30.2 is removed is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are some interest of the maximum branch diameter does not some interest.	he following oved; in Schedule ranches and the borist; or not exceed 10% of live
		conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brother tree work is undertaken by a works are (ii) The maximum branch diameter does not 50mm at severance and no more than foliage growth is removed over any comonth time period.	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live nsecutive 12
		conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are (ii) The maximum branch diameter does rown at severance and no more than foliage growth is removed over any comonth time period.	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live insecutive 12
		conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brother tree work is undertaken by a works are (ii) The maximum branch diameter does not 50mm at severance and no more than foliage growth is removed over any comonth time period.	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live insecutive 12
P6	Pipe and cable bridge	conditions: (a) No tree identified in Schedule 30.2 is remote (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brother tree work is undertaken by a works are (ii) The maximum branch diameter does roughly 50mm at severance and no more than foliage growth is removed over any comonth time period. The steel in and around electrical assets are required for an around electrical assets are required for a severance with the Electricity (Hazards from Treestate).	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live insecutive 12
P6	Pipe and cable bridge structures for the conveyance	conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are (ii) The maximum branch diameter does rown 50mm at severance and no more than foliage growth is removed over any comonth time period. 10 ote: Trees in and around electrical assets are required cordance with the Electricity (Hazards from Tree 103. 11 ote 20.2 is removed over any comordance with the Electricity (Hazards from Tree 103.	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live nsecutive 12 uired to be in s) Regulations
P6	structures for the conveyance	conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are (ii) The maximum branch diameter does rown 50mm at severance and no more than foliage growth is removed over any comonth time period. 10 ote: Trees in and around electrical assets are required cordance with the Electricity (Hazards from Tree 103). 11 Ote: Trees in and around electrical assets are required and arou	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live nsecutive 12 uired to be in s) Regulations
P6	structures for the conveyance of electricity,	conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are (ii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period. (ii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period. (iii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period. (iii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period.	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live nsecutive 12 uired to be in s) Regulations
P6	structures for the conveyance	conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are some foliage growth is removed over any commonth time period. Ote: Trees in and around electrical assets are required cordance with the Electricity (Hazards from Tree 3.3.1.5 Pipe and cable bridge structures that meet all o conditions: (a) Do not exceed 25m total length;	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live nsecutive 12 uired to be in s) Regulations
P6	structures for the conveyance of electricity, telecommunications, water,	conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are (ii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period. (ii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period. (iii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period. (iii) The maximum branch diameter does of 50mm at severance and no more than foliage growth is removed over any comonth time period.	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live nsecutive 12 uired to be in s) Regulations
P6	structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and	conditions: (a) No tree identified in Schedule 30.2 is remoted. (b) Any required trimming of a tree identified in 30.2 is either: (i) To remove dead, dying, or diseased brown tree work is undertaken by a works are sold in the maximum branch diameter does not sold in the maximum branch diameter does not sold in the severance and no more than foliage growth is removed over any component time period. (ii) The maximum branch diameter does not severance and no more than foliage growth is removed over any component time period. (b) Electricity (Hazards from Tree 103. (c) Jepe and cable bridge structures that meet all of conditions: (a) Do not exceed 25m total length; (b) Do not exceed Im width;	he following oved; in Schedule ranches and the rborist; or not exceed 10% of live nsecutive 12 uired to be in s) Regulations

P7	Electric vehicle chargers	14.3.1.6
		 (1) Electric vehicle chargers that meet all of the following conditions: (a) Do not exceed maximum height of 1.8m each; (b) Do not exceed a maximum area of 1.5m² each; (c) Have a socket connection, or a fitted cable-management accessory; (d) Have at least one formed car park (in accordance with the relevant requirements of Table 14.12.5.11) per connection or charging cable if the site is located outside the road; (e) Are not located in an Identified Area.
P8	Service connections	14.3.1.7
P9	Minor infrastructure structure	(I) There is no connection to an area, façade or item specifically
PIO	Closed-circuit television (CCTV) systems attached to existing buildings and structures	listed in Schedule 30.1.
PII	Signage associated with infrastructure required for health and safety or asset identification purposes and/or required by legislation	Nil
PI2	Service connections for subdivision	(1) All new lots created as part of a subdivision other than a utility allotment, access allotment or reserve allotment, must be designed and located so that provision is made for access and service connections up to the boundary of the lot for: (a) Wastewater; (b) Water supply; (c) Stormwater (a management system that complies with Rule 14.11.1.1); (d) Electricity supply; (e) Telecommunications that is hard-wired or wireless; and (f) Vehicle access that complies with Rule 14.12.1.1.
		(2) Rule 14.3.1.8(1)(a) does not apply to any allotment that is served by a site-contained wastewater system in accordance with Rule 14.11.1.3.
		(3) Within all zones, except the Rural and Country Living Zones, the water supply required under Rule 14.3.1.8(1)(b) must be adequate for fire fighting purposes.

14.3.2 Controlled Activities

(a) The activity listed below is a controlled activity.

Activity	Activity specific conditions	Matters of control
CI Subdivision to cre a utility allotment accommodating in ture	for (1) Is undertaken by a network	is required.

14.3.3 Restricted Discretionary Activities

- (a) The activities listed below are restricted discretionary activities.
- (b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activity		Matters of Discretion	
RDI	Minor upgrading of existing infrastructure that does not comply with one or more of the conditions of Rule 14.3.1.1 which are relevant to the activity proposed	Discretion is restricted to: i. The functional and operational needs of, and benefits derived from, the infrastructure; ii. Visual, streetscape and amenity effects; iii. Road network safety and efficiency; iv. Management of sediment and dust, including the staging of works; v. The volume, extent and depth of the earthworks activities; vi. The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site; vii. Any flood or land stability risks; viii. Visual, landscape and amenity effects; ix. Whether alternative methodologies avoiding the need to affect any tree identified in Schedule 30.2 have been adequately considered.	
RD2	Earthworks associated with infrastructure that do not comply with one or more of the conditions of Rule 14.3.1.3	Discretion is restricted to: (a) Management of sediment and dust, including the staging of works; (b) The volume, extent and depth of the earthworks activities; (c) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site; (d) Any flood or land stability risks; and (e) Visual, landscape and amenity effects.	
RD3	Trimming, maintenance or removal of vegetation or trees that does not comply with one or more of the	Discretion is restricted to: (a) The extent of the works required; (b) Effects on the values, qualities and characteristics	

	conditions of Rule 14.3.1.4	of any tree identified in Schedule 30.2; (c) Whether alternative methodologies avoiding the need to affect the tree(s)/vegetation have been adequately considered.
RD4	Pipe and cable bridge structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and gas: (a) That do not comply with one or more of the conditions of Rule 14.3.1.5; or (b) Are located within Identified areas	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects, (c) Public safety; (a) Effects on the values, qualities and characteristics of any Identified Area.
RD5	Electric vehicle charging stations located: (a) That do not comply with one or more of the conditions of Rule 14.3.1.6; or (b) Are located within Identified areas.	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) Road network safety and efficiency; (d) Public safety; (b) Effects on the values, qualities and characteristics of any Identified Area.
RD6	The following activities that does not comply with Rule 14.3.1.7: (a) CCTV systems attached to existing buildings and structures (b) Service connections (c) Minor infrastructure structures.	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the activity, and (b) Effects on the specific values, qualities and characteristics of the item specifically listed in Schedule 30.1.

14.3.4 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Activities and permanent structures or facilities located within road or unformed road not provided as road network activities under Rule 14.12.1	
D2	Temporary infrastructure that does not comply with one or more of the conditions of Rule 14.3.1.2	
D3	Access and service connections for subdivision that do not comply with one or more of the conditions of Rule 14.3.1.8	
D4	Subdivision to create a utility allotment for accommodating infrastructure that does not comply with one or more of the conditions of Rule 14.3.2.1	

14.4 National Grid

14.4.1 Permitted Activities

(a) The following activities are permitted activities within the National Grid Yard if they meet the activity specific conditions set out in this table. These rules apply throughout the District.

Activity		Activity specific conditions
PI	Buildings, structures and sensitive land uses within the National Grid Yard in existing Residential or Village Zones as of 18 July 2018	 14.4.1.1 (1) Within the National Grid Yard in the Residential or Village Zone: (a) Building alterations and additions to an existing building or structure for a sensitive land use that does not involve an increase in the building height or footprint; (b) New buildings and structures that are not for a sensitive land use; (c) Infrastructure (other than for the reticulation and storage of water for irrigation purposes) undertaken by a network utility operator as defined in the Resource Management Act 1991.
		 (2) All buildings or structures permitted by Rule 14.4.1.1(1) must: (a) Comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 under all National Grid transmission line operating conditions; (b) Locate a minimum of 12m from the outer visible foundation of any National Grid tower and a minimum 12m from any pole and associated stay wire, unless it is one of the following: i. A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663; (c) The maximum height of fences are 2.5m within 5m from the nearest National Grid Pole or 6m from the nearest National Grid Tower.
P2	Buildings, structures and sensitive land use within the National Grid Yard in all other zones as of 18 July 2018	14.4.1.2 (I) Within the National Grid Yard in the Business, Industrial, Country Living, Heavy Industrial, Rural, Town Centre Business, Hampton Downs Motorsport and Recreation, Tamahere Business, Te Kowhai Airpark, or Reserves Zone: (a) Building alterations and additions to an existing building or structure that does not involve an increase in the building height or footprint; or (b) Infrastructure (other than for the reticulation and storage of water for irrigation purposes) undertaken by a network utility operator as defined in the Resource Management Act 1991; or (c) Non-habitable buildings or structures for farming activities in rural zones (but not including any intensive farming buildings, commercial greenhouses and milking/dairy sheds); or (d) Yards for milking/dairy sheds; or (e) Artificial crop protection and support structures.
		(2) All buildings or structures permitted by Rule 14.4.1.2(1) must: (a) Comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663

		under all National Grid transmission line operating conditions; and (b) Locate a minimum 12m from the outer visible foundation of any National Grid tower and locate a minimum 12m from any pole and associated stay wire, unless it is: i. A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663; or ii. Fences; or iii. Artificial crop protection.
		(3) The maximum height of fences are 2.5m within 5m from the nearest National Grid Pole or 6m from the nearest National Grid tower.
		 (4) Artificial crop protection and support structures between 8m and 12m from a single pole support structure and any associated guy wire (but not tower) must: (a) Meet the requirements of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 for separation distances from the conductor; (b) Be maximum 2.5m high; (c) Be removable or temporary, to allow a clear working space of at least 12 metres from the pole when necessary for maintenance and emergency repair purposes; (d) Allow all-weather access to the pole and a sufficient area for maintenance equipment, including a crane.
P3	Earthworks activities within the National Grid Yard	 (1) Earthworks for National Grid support poles and any stay wires that comply with the following conditions: (a) Do not exceed a depth of 300mm within 2.2m of the pole or stay wire; and (b) Do not exceed a depth of 750mm between 2.2m and 5m of the pole or stay wire.
		 (2) Earthworks for National Grid support towers (including any tubular steel tower that replaces a steel lattice tower) that comply with all of the following conditions: (a) Do not exceed 300m depth within 6m of the outer edge of the visible foundation of the tower; (b) Do not exceed 3m between 6m and 12m of the outer edge of the visible foundation of the tower; (c) Do not compromise the stability of a National Grid support structure; (d) Do not result in the loss of access to any National Grid support structure; and (e) Must be less than the minimum ground to conductor clearance distances in Table 4 of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663.

(3) The following earthworks activities are exempt from Rules
14.4.1.3(1) and (2):
(a) Earthworks that are undertaken by a network utility
operator (other than for the reticulation and storage of
water for irrigation purposes) as defined by the Resource
Management Act 1991;
(b) Earthworks undertaken as part of agricultural or domestic
cultivation, or repair, sealing or resealing of a road,
footpath, driveway or farm track;
(c) Vertical holes not exceeding 500mm in diameter that:
 are more than 1.5m from the outer edge of the
pole support structure or stay wire, or
ii. are a post hole for a farm fence or horticulture
structure more than 6m from the visible outer
edge of a tower support structure foundation;
(d) Earthworks for which a dispensation has been granted by
Transpower under New Zealand Electrical Code of
Practice for Electrical Safe Distances 34:2001 ISSN 0114-
<mark>0663</mark> .

14.4.2 Restricted Discretionary Activities

- (a) The activities listed below are restricted discretionary activities.
- (b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activit	ty	Matters of Discretion
RDI	Below ground transmission lines associated with the National Grid not located within identified areas Transformers, substations and switching stations associated with the National Grid not	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) The risk of electrical hazards affecting
	located within Identified Areas	public or individual safety, and risk of property damage.
RD3	Earthworks within the National Grid Yard that do not comply with one or more of the conditions of Rules 14.4.1.3(1) and 14.4.1.3(2)	Discretion is restricted to: (a) Impacts on the operation, maintenance, upgrading and development of the National Grid; (b) The risk to the structural integrity of the affected National Grid support structure(s); (c) Any impact on the ability of the National Grid owner (Transpower) to access the National Grid; (d) The risk of electrical hazards affecting public or individual safety, and the risk of property damage.
RD4	14.4.2.1	Discretion is restricted to: (a) The subdivision layout and design in
	The subdivision of land in any zone within the	regard to how this may impact on the

National Grid Corridor that complies with all of the following conditions:

- (a) All allotments intended to contain a sensitive land use must provide a building platform for the likely principal building(s) and any building(s) for a sensitive land use to be located outside of the National Grid Yard, other than where the allotments are for roads, access ways or infrastructure; or
- (b) The layout of allotments and any enabling earthworks must ensure that physical access is maintained to any National Grid support structures located on the allotments, including any balance area.

- operation, maintenance, upgrading and development of the National Grid;
- (b) The ability to provide a complying building platform outside of the National Grid Yard;
- (c) The risk of electrical hazards affecting public or individual safety, and the risk of property damage;
- (d) The nature and location of any vegetation to be planted in the vicinity of National Grid transmission lines.

14.4.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	New below ground transmission lines associated with the National Grid within identified areas
D2	New above-ground transmission lines associated with the National Grid not located within identified areas

14.4.4 Non-Complying Activities

(a) The activities listed below are non-complying activities.

NCI	Above-ground transmission lines associated with the National Grid located within identified areas
NC2	Transformers, substations and switching stations associated with the National Grid located within identified areas identified areas
NC3	Any activity within the National Grid Yard that does not comply with one or more of the conditions of Rule 14.4.1.1
NC4	Any activity within the National Grid Yard that does not comply with one or more of the conditions of Rule 14.4.1.2
NC5	Any new building for a sensitive land use within the National Grid Yard
NC6	Any change of use of an existing building to a sensitive land use within the National Grid Yard
NC7	The establishment of any new sensitive land use within the National Grid Yard
NC8	Any new hazardous facility that involves the storage and handling of hazardous substances with explosive or flammable intrinsic properties within 12m of the centre line of a National Grid Transmission Line
NC9	Dairy/milking sheds or buildings for intensive farming within the National Grid Yard

NC10 Any subdivision of land in any zone within the National Grid Corridor that does not comply with one or more of the conditions of Rule 14.4.2.1

14.5 Electrical distribution

14.5.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.
- (b) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height, location and noise condition listed below.

Activity		Activity specific conditions	
ΡI	Below ground distribution lines	Nil	
P2	Overhead distribution lines and support structures within the Rural Zone	 14.5.1.1 (a) Overhead distribution lines and support structures that comply with the following: (i) Do not exceed a voltage up to and including I I0kV; and (ii) Do not exceed a maximum height of 25m; or (iii) Do not exceed a maximum height of 30m for colocation of at least two operators; and (iv) Are not located within an Identified Area. 	
P3	Overhead distribution lines and support structures within road or unformed road located adjacent to the Rural Zone		
P4	Substations and associated transformers and switching stations	 14.5.1.2 (a) Substations and associated transformers and switching stations distributing electricity that comply with the following: Distribute electricity at a voltage up to and including I 10kV; and Are located within the Business Zone, Business Town Centre Zone, Tamahere Business Zone, Te Kowhai Airpark Zone, Industrial Zone, Heavy Industrial Zone and Motor Sport and Recreation Zone; and Any ancillary buildings do not exceed 100m² in gross floor area; and Are not located within an Identified Area. 	
P5	Construction or alteration of a building for a sensitive land use	14.5.1.3 (a) The construction or alteration of a building for a sensitive land use that complies with all of the following conditions: (i) It is set back a minimum of 10m from the centre of line of any electrical distribution or transmission lines, not associated with the National Grid, that operate at a voltage of up to 110kV; or (ii) It is set back a minimum of 12m from the centre of line of any electrical distribution or transmission lines, not associated with the National Grid, that operate at a voltage of 110kV or more.	

14.5.2 Restricted Discretionary Activities

(a) The activities listed below are restricted discretionary activities.

(b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activity		Matters of Discretion	
RDI	 (a) Overhead distribution lines and support structures not exceeding a voltage up to and including 110kV: (i) Not located within the Rural Zone; (ii) Not located within an Identified Area. 	 (a) Discretion is restricted to: (i) The functional need and operational need of, and benefits derived from, the infrastructure; (ii) The extent to which alternative technologies and techniques have been considered; (iii) The extent to which co-location of overhead lines is technically, economically and practically reasonable; (iv) The extent to which the proposal is in accordance with relevant industry standards and meets specified clearance requirements for operational and safety reasons; (v) The extent to which the proposal will adversely affect the amenity values of the site and locality; (vi) The extent to which there are difficult ground conditions, topography or obstructions which make undergrounding impractical. 	
RD2	Construction or alteration of a building for a sensitive land use that does not comply with Rule 14.5.1.3	 (a) Discretion is restricted to: (i) Effects on the amenity values of the site; (ii) The risk of electrical hazards affecting the safety of people; (iii) The risk of damage to property; (iv) Effects on the operation, maintenance and upgrading of the electrical distribution or transmission lines. 	

14.5.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Overhead distribution lines and support structures exceeding a voltage of 110kV
D2	Overhead distribution lines and support structures of any voltage located within an identified area
D3	Substations and associated transformers and switching stations that do not comply with one or more conditions of Rule 14.5.1.2

14.6 Electricity generation

14.6.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.
- (b) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height, location and noise condition listed below.

Activity		Activity specific conditions
PI	Small-scale electricity generation	(a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following conditions,
P2	Community-scale electricity generation	where applicable: (a) Is not located within an Identified Area; (b) Is not located on a road, or unformed road; (c) Less than 20kW of electricity is generated; (d) Maximum one wind turbine per site in the Residential, Rangitahi Peninsula and Village Zones; (e) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (f) Freestanding wind turbines have a maximum blade diameter of 2.5m; (g) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (h) Roof-mounted wind turbines have a maximum blade diameter of 2.5m; (i) Any wind turbine on a site adjoining Residential, Rangitahi Peninsula or Village Zones must meet the height in relation to boundary limits on the boundary with that adjoining zone; (j) Solar panels on the roof of a building must not exceed 1.5m in height above the existing roof; (k) Wind turbine noise must: (i) Not exceed the background sound level (L95) by more than 5dBA, or a level of 40dBA (L95), whichever is the greater, when measured at operational wind speeds, and for properties located adjacent to the facility when measured at: (1) Any existing building or structure for sensitive land uses; and (2) Any potential building site where a building or structure for sensitive land uses could be located as a permitted activity; (ii) Be measured and assessed in accordance with NZS6808: 2010 Acoustics — Wind Farm Noise
P3	Research and exploratory- scale investigations for renewable electricity generation activities	 (a) Research and exploratory-scale investigations for renewable electricity generation activities that comply with all of the following: (i) The noise limits that are applicable to the zone; (ii) The height of any equipment must not exceed the building height limit of the zone in which they are located by more than 3m; (iii) The size and location of any equipment must not exceed height in relation to boundary relevant to the zone in which it is located; and (iv) Setbacks relevant to the zone in which it is located; (v) Is not located within an identified area; (vi) Is not located on a road, or unformed road.

P4	Temporary diesel-fuelled electricity generation	Nil
	activities	

14.6.2 Restricted Discretionary Activities

- (a) The activities listed below are restricted discretionary activities.
- (b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activi	ity	Matters of Discretion
RDI	Small-scale electricity generation that do not comply with one or more of the conditions of Rule 14.6.1.1	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, landscape, streetscape and amenity
ND2	Community-scale electricity generation that do not comply with one or more of the conditions of Rule 14.6.1.1	effects, including noise; (c) Shadow flicker effects; (d) The risk of hazards affecting public or individual safety, and risk of property damage;
RD3	Research and exploratory-scale investigations for renewable electricity generation activities that do not comply with one or more of the conditions of Rule 14.6.1.2	(e) Effects on the values, qualities and characteristics of any Identified Area.

14.6.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Large-scale wind farms located within the Rural Zone
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14.6.4 Non-Complying Activities

(a) The activities listed below are non-complying activities.

NCI	Large-scale wind farms not located within the Rural Zone, including within an Identified Area	
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14.7 Liquid fuels and gas

14.7.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.
- (b) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height, location and noise condition listed below.

Activity		Activity specific conditions	
PI	Below ground pipelines for the conveyance of liquid fuels and gas	 (a) Below ground pipelines for the conveyance of liquid fuels and gas that comply with all of the following: (i) Any aboveground sections of pipeline must comply with the following: A. Not exceed 25m in length, and B. Not exceed 300mm in diameter. (ii) Gas pipelines must not exceed a gauge pressure of 2,000 kilopascals. (iii) Is not located within an Identified Area. 	
P2	Below ground pipelines located within an Identified Area	 (a) Below ground pipelines for the conveyance of liquid fuels and gas located within an Identified Area that comply with the following: (i) There are no aboveground sections of pipeline within the Identified Area; and (ii) Gas pipelines must not exceed a gauge pressure of 2,000 kilopascals. 	
P3	Storage facilities and pump stations for liquid fuels and gas	 (a) Storage facilities and pump stations for liquid fuels and gas that comply with all of the following: (i) Is not located within an Identified Area; and (ii) Is not located on a road, or unformed road. 	

14.7.2 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Pipelines for the conveyance of liquid fuels and gas that do not comply with one or more of the conditions of Rule 14.7.1.1 or 14.7.1.2
D2	Storage facilities and pump stations for liquid fuels and gas that do not comply with one or more of the conditions of Rule 14.7.1.3

14.8 Meteorological

14.8.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.
- (b) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height, location and noise condition listed below.

PI	Meteorological enclosures and	14.8.1.1
	buildings, including automatic weather stations	 (a) Meteorological enclosures and buildings, including automatic weather stations, that comply with all of the following: (i) The size of the structure must not exceed 30m² in gross floor area; (ii) The structure complies with any relevant building height condition for the applicable zone; (iii) Is not located within an Identified Area; (iv) Is not located on a road, or unformed road.
P2	Meteorological and air quality monitoring structures and devices	 (a) Meteorological and air quality monitoring structures and devices that comply with all of the following: (i) Do not exceed 12m in height; (ii) There shall be no more than one instrument or device per site; (iii) Is not located within an Identified Area; (iv) Is not located on a road, or unformed road.

14.8.2 Restricted Discretionary Activities

- (a) The activities listed below are restricted discretionary activities.
- (b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activity	Matters of Discretion
RDI Meteorological enclosures are including automatic weather located within road or unformation. RD2 Meteorological and air quality structures and devices located or unformed road.	stations med road (i) The functional and operational needs of, and benefits derived from, the infrastructure; (ii) Visual, streetscape and amenity effects; (iii) Road network safety and efficiency; and

14.8.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Meteorological enclosures and buildings, including automatic weather stations located within Identified areas
D2	Meteorological and air quality monitoring structures and devices located within Identified areas

14.9 Amateur radio

14.9.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.

 (b) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height,
- location and noise condition listed below.

Activity	Activity specific conditions
PI Antennas associated with amateur radio configurations P2 Aerials associated with amateur radio configurations	14.9.1.1 (a) Antennas Antennas Antennas Antennas (i) Where attached to a
P3 Support structures associated with	(viii) Is not located on a road, or unformed road. 14.9.1.3

amateur radio configurations

- (a) Support structures associated with amateur radio configurations that comply with all of the following:
 - (i) For wire aerials of less than 115mm in outside diameter, no more than six support poles per site provided that:
 - A. The maximum height of the support poles is the maximum building height applying in the zone in which they are located;
 - B. The setback and height in relation to boundary standards shall not apply to these support poles;
 - (ii) Where guy wires are used these must not exceed 12mm in diameter:
 - (iii) One pole support structure (excluding support poles for wire aerials) or lattice support structure per site, provided that:
 - A. The maximum height of the pole support structure is 9m and the maximum inscribed circle of the pole and any lowering mechanism shall be 600mm below 4m in height and 115mm above 4m; or
 - B. The maximum height of the lattice support structure is 9m and the maximum inscribed circle and any lowering mechanism shall be 900mm below 8m in height and 660mm above 8m;
 - C. The pole or lattice structure is located in accordance with setback standards applying to buildings in the zone in which they are located. For the purpose of this rule the height in relation to boundary standards shall not apply to the pole or lattice support structure;
 - D. Where guy wires are used these must not exceed I2mm in diameter:
 - E. At no point must any guy wire overhang the boundary;
 - (iv) For each site, one support structure can exceed the maximum stated height applying to buildings in the applicable zone by more than 2m, provided that:
 - A. The maximum height of the support structure and any attached aerials or antennas is 20m;
 - B. The supporting structure may be one of the following:
 - A. A guyed mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m shall be 115mm, or
 - A guyed lattice mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m shall be 300mm. The mast may be of constant width or tapering, or
 - C. A self-supporting lattice mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m must fit within a tapering envelope with a maximum inscribed circle of 660mm at 9m and 420mm at 20m, or
 - D. A self-supporting tubular mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m must fit within a tapering envelope with a maximum inscribed circle of 230mm at 9m and 115mm at 20m; and
 - C. There may be local enlargement of the support structure to accommodate a rotator mechanism; and
 - D. The supporting structure is located in accordance with setback standards applying to buildings in the applicable zone. For the purpose of this rule the height in relation to boundary standards shall not apply to the supporting structure; and
 - E. Where guy wires are used, these must not exceed 12 mm in diameter; and
 - F. At no point must any guy wire overhang the boundary;
 - (v) Are not located within an Identified Area; and

	(vi) Is not located on a road, or unformed road.	
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14.9.2 Restricted Discretionary Activities

- (a) The activities listed below are restricted discretionary activities.
- (b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Matters of Discretion	
tion is restricted to: The bulk, form, scale, location and number of antennas, aerials and supporting structures; Location on site; and Visual, streetscape and amenity effects.	
)	

14.9.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Antennas, aerials and support structures associated with amateur radio configurations located within road and unformed road
D2	Antennas, aerials and support structures associated with amateur radio configurations located within Identified areas

14.10 Telecommunications and radiocommunications

Notes:

+1 Means activities not provided as a permitted activity under the Resource Management (National Environmental Standards for Telecommunication Facilities ("NESTF")) Regulations 2016

14.10.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.
- (b) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height, location and noise condition listed below.

Acti	vity	Activity specific conditions	
PI	Ancillary equipment+1	14.10.1.1	
		 (a) Ancillary equipment that complies with the following: (i) It is not connected to an area, façade or item specifically listed in Schedule 30.1. 	
P2	Below ground telecommunications	Nil	

	and radiocommunications facilities, lines, cables and ducts	
P3	Cabinets+1	 (a) Cabinets that comply with the following condition: (i) Are not located within an Identified Area.
P4	Antennas and lines attached to retaining walls, tunnels, bridges and other structures located within the road+1	 (a) Antennas that comply with all of the following conditions: (i) Do not connect to an area, façade or item specifically listed in Schedule 30.1; (ii) Panel antenna do not exceed 0.7m in width; (iii) Dish antenna do not exceed 0.6m in width within the Residential Zone; (iv) Within the Residential Zone the maximum number of antennas per site is 4.
		(b) Rule 14.10.1.3(1)(a) does not apply a face-mounted panel antenna located within the fascia and below the roof line of an existing building.
P5	Antennas +1 attached to a building and/or structure Antennas inside new or existing	 (a) Antennas attached to a building and/or structure that comply with all of the following conditions: (i) Do not connect to an area, façade or item specifically listed in Schedule 30.1; (ii) The building and/or structure is located within: A. Business Zone B. Business Town Centre Zone C. Tamahere Business Zone D. Te Kowhai Airpark Zone E. Industrial Zone F. Heavy Industrial Zone G. Motor Sport and Recreation Zone H. Rural Zone I. Country Living Zone J. Reserve Zone (iii) The face of the antenna does not exceed 1.5m² or 1.2m in diameter for dish antennas. (b) Rule 14.10.1.4 does not apply to private television antennas and satellite dishes +2. Nil
P6	Antennas inside new or existing buildings	
P7	Antennas not attached to a building and/or structure	(a) Antennas that comply with all of the following conditions: (i) GPS Antennas that do not exceed the following dimensions: A. 300mm high: and B. 130mm in diameter. (ii) Omni-directional 'whip' or di-pole type antennas that do not exceed the following dimensions: A. 1.6m high; B. 1.5m horizontal length whip or rod; or C. Cross section element no more than 60mm in

		diameter. (iii) Are not located with (iv) Do not connect to a listed in <mark>Schedule 30</mark>	n area, façade or item specifically
P8	Small cell units exceeding the permitted volumetric dimension of 0.11m³ regulated in the NESTF	14.10.1.6 (a) Small cell units exceeding the permitted volumetric dimension of 0.11m³ regulated in the NESTF that comply with all of the following conditions: (i) Do not exceed a maximum volumetric dimension of 0.25m³; (ii) Are not located within an Identified Area; and (iii) Do not connect to an area, façade or item specifically listed in Schedule 30.1.	
P9	Poles, antennas and headframes+	 14.10.1.7 (a) Any poles and attached antenna that comply with the following conditions: (i) Are not located within an Identified Area; (ii) Do not connect to an area, façade or item specifically listed in Schedule 30.1; (iii) Comply with the height in relation to boundary limits for the zone in which it is located; (iv) Not exceed the height limits set out in the following table: 	
		Zone	Permitted height
		Rural, Country Living	25m (and 30m for colocation of at least two operators)
		Industrial, Heavy Industrial and Motor Sport and Recreation	25m (and 30m for colocation of at least two operators)
		Business, Business Towr Centre, Business Zone Tamahere, Te Kowhai Airpark	20m
		Reserve	20m
		Residential, Rangitahi Peninsula, Village	15m
		Road or unformed road	That of the adjoining zone
			with the following conditions: ght in relation to boundary limits n it is located;

		(ii) Within the Residential Zone do not exceed 1.0m	
		diameter; or	
		(iii) Within all other zones and unformed roads do not	
		exceed 6.0m diameter; and	
		(iv) Within the road do not exceed 0.7m diameter.	
		(c) Rule 14.10.1.7(1) does not apply to lightning rods and GPS	
		antenna, omni directional whip antenna, ancillary	
		telecommunication devices and earthpeaks.	
PI0	Externally-mounted	14.10.1.8	
	telecommunication satellite dishes	(a) Externally-mounted telecommunication satellite dishes and	
	and ancillary components	ancillary components that comply with the following	
	, .	conditions:	
		(i) Do not exceed 1.0m in diameter;(ii) Are attached to existing buildings;	
		(iii) Do not connect to an area, façade or item specifically	
		listed in Schedule 30.1; and	
		(iv) Are not located within an Identified Area.	
PH	Telecommunication kiosk	14.10.1.9	
		(a) Tologomany missaine bissle shoe some by side off of the	
		(a) Telecommunication kiosks that comply with all of the following conditions:	
		(i) Are not located within road or unformed road located	
		adjacent to an Identified Area;	
		(ii) Do not connect to an area, façade or item specifically	
		listed in <mark>Schedule 30.1</mark> ; and	
		(iii) Are not located within an Identified Area.	
PI2	Telephone exchanges, including	14.10.1.10	
	the installation and operation of	(a) Telephone exchanges, including the installation and operation of equipment inside existing telephone	
	equipment inside existing	exchanges, that comply with the following conditions:	
	telephone exchanges	(i) Do not exceed 20m ² in area in roads or sites zoned	
		Residential and Country Living; or	
		(ii) Do not exceed 30m² in area in all other zones;	
		(iii) Comply with the height and height in relation	
		to boundary limits for the zone in which it is located;	
		(iv) Are not located within road or unformed road located adjacent to an Identified Area; and	
		(v) Are not located within an Identified Area.	
PI3	Self-contained power units	14.10.1.11	
	Ton contained porter aines		
		(a) Self-contained power units that comply with all of the	
		following conditions:	
		(i) Do not connect to an area, façade or item specifically listed in Schedule 30.1;	
		(ii) Are not located within an Identified Area.	
PI4	Aerial telecommunication lines and	14.10.1.12	
	associated support structures,		
	including those not complying with	(a) Aerial telecommunication lines and associated support	
	regulations 41-42 of the NESTF	structures, including those not complying with regulations	
		41-42 of the NESTF, that comply with all of the following conditions:	
		(i) Do not exceed 20m in height; and	
		(ii) Are located within the Rural Zone; or	
		(iii) Are located within road or unformed road located	

		adjacent to the Rural Zone.	
PI5	Lightning rods	14.10.1.13	
		 (a) Lightning rods that comply with all of the following conditions: (i) Do not exceed I.8m in height; (ii) Do not connect to an area, façade or item specifically listed in Schedule 30.1. 	

14.10.2 Controlled Activities

(a) The activities listed below are controlled activities.

Activi	ty	Matters of Control
СІ	Ancillary equipment that do not comply with the conditions of Rule 14.10.1.1	(a) Control is reserved over: (i) The size, colour and
C2	Cabinets that do not comply with one or more of the conditions of Rule 14.10.1.2	design of the proposed facility, equipment or structure;
C3	(a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within: (i) Business Zone (ii) Business Town Centre Zone (iii) Business Zone Tamahere (iv) Te Kowhai Airpark Zone (v) Industrial Zone (vi) Industrial Zone Heavy (vii) Motorsport and Recreation Zone (viii) Rural Zone (ix) Country Living Zone (x) Reserve Zone	(ii) The location of the proposed facility, equipment or structure; (iii) The ability to provide screening or landscaping; and (iv) Effects on the values, qualities and characteristics of the site.
C4	Antennas attached to an existing pole in the road reserve that do not comply with Regulations 26 and 27 of the NESTF and antennas attached to an existing pole in unformed road	
C5	(a) Antennas attached to a building that do not comply with the conditions of Rule 14.10.1.4 and are located within: (i) Business Zone (ii) Business Town Centre Zone (iii) Business Zone Tamahere (iv) Te Kowhai Airpark Zone (v) Industrial Zone (vi) Industrial Zone Heavy (vii) Motorsport and Recreation Zone (viii) Rural Zone (ix) Country Living Zone (x) Reserve Zone	
C5	(a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within: (i) Business Zone (ii) Business Town Centre Zone (iii) Business Zone Tamahere (iv) Te Kowhai Airpark Zone (v) Industrial Zone (vi) Heavy Industrial Zone (vii) Motor Sport and Recreation Zone (viii) Rural Zone (ix) Country Living Zone (x) Reserve Zone	
C6	 (a) Antennas located within an Identified Area that comply with the following: (i) GPS antennas that do not exceed the following dimensions: 	

	A. 300mm high: and	
	B. 130mm in diameter.	
	(ii) Omni-directional 'whip' or di-pole type antennas that do	
	not exceed the following dimensions:	
	A. I.6m high;	
	B. I.5m horizontal length whip or rod; or	
	C. Cross section element no more than 60mm in	
	diameter.	
C7	Small cell units located within an Identified Area exceeding the	
	maximum volumetric dimension of 0.11m ³ regulated in the NESTF,	
	up to a maximum volumetric dimension of 0.25m³	

C8	Poles, antennas and headframes located within an Identified Area that comply with Rule 14.10.1.7	Control is reserved over: (a) The size, colour and design of the proposed facility, equipment or structure;
С9	 (a) Externally-mounted telecommunication satellite dishes and ancillary components that: (i) Do not exceed I.0m in diameter; (ii) Are attached to existing buildings; and (iii) Are located within an Identified Area. 	 (b) The location of the proposed facility, equipment or structure; (c) The ability to provide screening or landscaping; and (d) Effects on the values, qualities and characteristics of the site.
C10	Telecommunication kiosks, located within road or unformed road adjacent to an Identified Area, that complies with the conditions for a new infrastructure activity and associated structures under Rule 14.2.1.1.	

14.10.3 Restricted Discretionary Activities

- (I) The activities listed below are restricted discretionary activities.
- (2) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activi	ty	Matters of Discretion	
RDI	 (a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within: (i) Residential Zone (ii) Rangitahi Peninsula Zone (iii) Village Zone (iv) Road and unformed road 	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure;	
RD2	 (a) Antennas attached to a building and/or structure that comply with all of the following conditions: (i) Are located within: A. Residential Zone B. Rangitahi Peninsula Zone C. Village Zone D. Road and unformed road (ii) The face of the antenna does not exceed 1.5m² or 1.2m in diameter for dish antennas. 	 (b) The bulk, form, scale, location of the structure; (c) Visual, landscape, streetscape and amenity effects; (d) Where located within a road, the operation and 	
RD3	 (a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within: (i) Residential Zone (ii) Rangitahi Peninsula Zone (iii) Village Zone (iv) Road and unformed road 	function of road network activities, (e) Effects on the values, qualities and characteristics of the site.	
RD4	Poles, antennas and headframes not complying with regulations 26-35 of the NESTF or Rule 14.10.1.7		
RD5	 (a) Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the NESTF, that: (i) Do not comply with one or more conditions of Rule 14.10.1.12; and (ii) Are not located within an Identified Area. 		

RD6	Telecommunication kiosks that do not comply with one or more		
	conditions of Rules 14.10.1.9 or 14.10.2(C10)		
RD7	Self-contained power units that do not comply with the conditions		
	for a new infrastructure activity and associated structures		
	under Rule 14.2.1.1		

14.10.4 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within an Identified Area		
D2	Antennas attached to a building and/or structure that do not comply with one or more conditions of		
	Rule 14.10.3(RD2)		
D3	Antennas attached to a building and/or structure located within an Identified Area		
D4	Dish antennas not complying with regulations 26-35 of the NESTF that are located within an Identified Area		
D5	Poles, antennas and headframes located within an Identified Area not complying with regulations 26-35 of the NESTF or Rule 14.10.1.7		
D6	Telephone exchanges located within an Identified Area or do not comply with one or more conditions of Rule 14.10.1.10		
D7	Self-contained power units located within an Identified Area		
D8	Aerial telecommunication lines and associated support structures located within an Identified Area		

14.11 Water, wastewater and stormwater

14.11.1 Permitted Activities

- (I) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.

 (2) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height,
- location and noise condition listed below.

Activity	Activity specific conditions		
PI Stormwater systems for new development or subdivision	 14.11.1.1 (a) New development or subdivision must have a stormwater system that complies with all of the following conditions: (i) Operates by gravity; (ii) Manages stormwater in the following manner: A. Primary systems detain runoff from all impervious surfaces during a 10% Annual Exceedance Probability storm event to ensure that the rate of any stormwater discharge off-site is at or below pre-development rates; and B. Secondary overflows are conveyed to a system or drainage path designed to collect concentrated stormwater during events up to and including a 1% Annual Exceedance Probability; or C. A controlled discharge to a network or receiving environment that will have equivalent capacity (as in (i) and (ii) above) once the catchment is fully developed. (iii) Stormwater management measures must be in place and operational upon the completion of subdivision and/or development; (iv) Systems must be designed using rainfall data specific to the area in which the property is located and be adjusted for a climate change temperature increase of 2.1°C; (v) Stormwater management measures, including low impact design measures, must be implemented as appropriate in accordance with the following drainage hierarchy: A. Retention of rainwater/stormwater for reuse; B. Soakage techniques; C. Infiltration rate of a minimum of 7mm/hour; D. Treatment, detention and gradual release to a watercourse; E. Treatment, detention and gradual release to a piped stormwater system. (vi) Where land is subject to instability, stormwater discharges directly to ground occurs only where the ground conditions have been identified as being suitable to absorb such discharges without causing, accelerating or contributing to land instability and downstream effects either on the site or on neighbouring properties; (vii) Connection of new development to any existing stormwater drainage system must not result in the minimum level of servi		

(iii) Acceptable means of compliance for the provision, design and construction of stormwater infrastructure, including low imposes design features, are contained within the Regional Infrastructure. Technical Specifications. (iv) A stormwater discharge consent may also be required from the Waikato Regional Council.	act <mark>ure</mark>
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P2	The establishment of impervious surfaces associated with new development or subdivision Wastewater servicing	 14.11.1.2 (a) The establishment of impervious surfaces associated with new development or subdivision that complies with the following condition: (i) The maximum impervious surface of a site within the Residential Zone, Rangitahi Peninsula Zone, Village Zone or Country Living Zone is 70%. 14.11.1.3 (a) New development or subdivision must have a wastewater system
	for new development or subdivision	that complies with the following conditions: (i) Is connected to public, reticulated wastewater network; or (ii) Is connected to a community-scale wastewater system; or (iii) Is provided with a site-contained, alternative method of wastewater disposal that complies with AS/NZS 1547:2012.
P4	Below ground pipelines for the conveyance of water, wastewater and stormwater	 (a) Below ground pipelines systems for the conveyance of water, wastewater and stormwater that comply with all of the following: (i) Any aboveground section of a pipeline must comply with the following: A. Not exceed 25m in length, and B. Not exceed 300mm in diameter. (ii) Is not located within an Identified Area. (b) The maximum dimensions in Rule 14.11.14(a)(i) do not apply to any above-ground section of pipeline which is attached to or contained within the superstructure of a bridge.
P5	Below ground pipelines for the conveyance of water, wastewater and stormwater located within an Identified Area	 (a) Below ground pipelines for the conveyance of water, wastewater and stormwater located within an Identified Area that comply with all of the following: (i) There are no aboveground sections of pipeline within an Identified Area.
P6	Pump stations for the conveyance of water, wastewater and stormwater	14.11.1.6(a) Pump stations for the conveyance of water, wastewater and stormwater that complies with the following condition:(i) Is not located within an Identified Area.
P7	Stormwater treatment, detention and retention facilities or devices	 (a) Stormwater treatment, detention and retention facilities or devices that comply with the following: (i) Is not a stormwater wetland or pond.

P8	Stormwater ponds or wetlands	14.11.1.8
	Westarias	 (a) Stormwater ponds or wetlands that comply with the following: (i) The area of the pond or wetland does not exceed the equivalent site building coverage conditions applicable to the zone.
P9	Ventilation facilities, drop shafts and manholes	(a) Ventilation facilities, drop shafts and manholes that comply with the following:
		(i) Are not located within an Identified Area.
PI0	Below ground reservoirs	14.11.1.9
		(a) Below ground reservoirs that comply with all of the following:(i) Are not located within an Identified Area; or
		(i) Are not located within an Identified Area; or(ii) Are not located within road or unformed road.

14.11.2 Restricted Discretionary Activities

- (a) The activities listed below are restricted discretionary activities.
- (b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activi	ity	Matters of Discretion	
RDI	Stormwater systems for new development or subdivision that does not comply with one or more of the conditions of Rule 14.11.1.1	Discretion is restricted to: (a) The likely effectiveness of the system to avoid flooding, nuisance or damage to other buildings and sites; (b) The capacity of the system and suitability to manage stormwater.	
RD2	The establishment of impervious surfaces associated with new development or subdivision that do not comply with one or more of the conditions of Rule 14.11.1.2	Discretion is restricted to: (a) Site design, layout and amenity; (b) The risk of flooding, nuisance or damage to the site or other buildings and sites.	
RD3	Wastewater servicing for new development or subdivision that do not comply with one or more of the conditions of Rule 14.11.1.3	Discretion is restricted to: (a) Health and safety of the occupants; (b) Capacity of the system; (c) Infiltration capacity of the soil; (d) Location, including proximity to waterways and effects on habitats; (e) Contamination of downstream properties by wastewater.	
RD4	Below ground pipelines that do not comply with one or more of the conditions of Rules 14.11.1.4 and 14.11.1.5 Pump stations for the conveyance of water,	Discretion is restricted to: (a) The functional need and operational need of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects;	
	wastewater and stormwater located within an Identified Area	(c) Road network safety and efficiency; (d) The risk of hazards to public or individual safety, and risk of property damage; and	
RD6	Stormwater ponds or wetlands, that serve more than one site, located within: (v) Residential Zone (vi) Rangitahi Peninsula Zone	(e) Effects on the specific values, qualities and characteristics of any Identified Area.	

	(vii) Village Zone
	(viii) Country Living Zone
	(ix)Road and unformed road
	(x) Identified Area
RD7	Outfall structures located within an
	Identified Area
RD8	Ventilation facilities, drop shafts and
	manholes that do not comply with one or
	more of the conditions of Rule 14.11.1.9
RD9	Below ground reservoirs located within an
	Identified Area or road or unformed road

14.11.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Water treatment plants not located within road and unformed road or an Identified Area
D2	Wastewater treatment plants located within the following: (xi) Industrial Zone (xii) Heavy Industrial Zone (xiii) Motor Sport and Recreation Zone (xiv) Rural Zone (xv) Country Living Zone (xvi) Reserve Zone
D3	Above ground reservoirs not located within an Identified Area

14.11.4 Non-Complying Activities

(a) The activities listed below are non-complying activities.

NCI	Water treatme	ent plants located within the following:	
	(xvii)	Road and unformed road	
	(xviii)	Identified Area	
NC2	Wastewater ti	reatment plants located within the following:	
	(xix)Resid	ential Zone	
	(xx) Rangi	tahi Peninsula Zone	
	(xxi)Villag	e Zone	
	(xxii)	Business Zone	
	(xxiii)	(xxiii) Business Town Centre Zone	
	(xxiv)	(xxiv) Tamahere Business Zone	
	(xxv) Te Kowhai Airpark Zone		
	(xxvi) Road and unformed road		
	(xxvii)	Identified Area	
NC3	Above ground reservoirs located within an Identified Area		

14.12 Transportation

14.12.1 Permitted Activities

(a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.

Activity	Activity specific conditions
PI Vehicle access for all activities	 (1) All activities must comply with the following vehicle access conditions: (a) The site has a vehicle access to a formed road that is maintained by a road-controlling authority; (b) The site has a vehicle access that is constructed to comply with the relevant requirements of Table 14.12.5.1, Figure

	Т	141252 711 141252 15: 141254
		i. Rule 14.12.5.3 and Figure 14.12.5.4 except: i. Rule 14.12.1.1(1)(b) does not apply where the separation distance requirements of Table 14.12.5.1 and Figure 14.12.5.2 cannot be achieved on a site's road frontage due to existing vehicle accesses on adjacent sites;
		(c) No new vehicle access shall be created from Newell Road
		(south of Birchwood Lane);
		(d) No access, access leg or right-of-way shall run parallel to any
		road within 30m of the road, except:
		i. Rule 14.12.1.1(1)(d) does not apply to farm races, or unsealed internal rural accesses in sites within the Rangitahi Peninsula Structure Plan Area and Opotoru Road;
		(e) On a site with legal access to two roads, the activity only accesses the road with the lower classification in the road hierarchy in Tables 14.12.5.5 and 14.12.5.6 (where the roads have the same classification, access is only to the road with
		the lower average daily traffic movements);
		 (f) New vehicle accesses/entrances are not to be constructed to any site from the following roads: Main Street, Huntly;
		ii. Jesmond Street, Ngaruawahia;
		iii. Bow Street, Raglan (James Street to Cliff Street);
		iv. George Street, Tuakau (Gibson Road to Liverpool Street);
		v. Great South Road, Pokeno (Selby Street to Market
		Street); and Main Street To Kounthers (Salayand Bood to Beind
		vi. Main Street, Te Kauwhata (Saleyard Road to Baird Avenue); and
		(g) No new vehicle access shall be created within 30 metres of a
		railway level crossing.
		Note: Any new vehicle access (or additional land use utilising an
		existing vehicle access) on a limited access road or state highway will
		require the approval of the NZ Transport Agency, as the road-
		controlling authority.
D2		14.12.1.2
P2	On-site parking and	17.14.1.4
	loading	(I) All activities must comply with the following on-site parking and
		loading conditions:
		(a) The parking requirements in Table 14.12.5.7 and 14.12.5.11,
		noting:
		 i. When calculating the requirements for parking and loading on the basis of the prescribed floor area, the
		area for parking, loading and manoeuvring shall be
		excluded;
		ii. If the calculation results in a fraction, then that figure
		shall be rounded to the nearest whole number;
		iii. 90 percentile car dimensions in Figure 14.12.5.8 apply;
		iv. The requirements of Table 14.12.5.7 do not apply to residential and rural activities;
		v. Parking spaces must comply with the New Zealand
		Building Code DI/ASI New Zealand Standard for Design for Access and Mobility – Buildings and

	T	A
		Associated Facilities (NZS: 4121-2001); vi. The number of accessible car park spaces required in Table 14.12.5.9 can be included in the number of car parking spaces required in Table 14.12.5.7. (b) On-site bicycle space requirements in Table 14.12.5.10, except:
		 i. The requirements of Table 14.12.5.10 do not apply to residential and rural activities;
		(c) Any on-site car parking spaces for non-residential activities within the Residential Zones must be set back at least 3m from the road boundary of the site and screened by planting or fencing;
		(d) On-site car parking spaces and loading bays are to be provided in accordance with the requirements of Table 14.12.5.7, Figure 14.12.5.8 and Table 14.12.5.11 and be located on the same site as the activity for which they are
		required; (e) On-site car parking spaces and loading bays are formed;
		(f) On-site car parking spaces and loading bays are to he permanently marked if five or more parking spaces are
		required;
		(g) On-site car parking spaces and loading bays are not to be located on any shared access or residential court;
		(h) Vehicles occupying any on-site car parking or loading spaces must have ready access to the road (or relevant access or right of way) at all times, without needing to move any other webicle occupying other on site car parking or loading spaces;
		vehicle occupying other on-site car parking or loading spaces; (i) On-site car parking spaces and loading bays are not required on sites with sole frontages to the following:
		i. Main Street, Huntly;
		ii. Jesmond Street, Ngaruawahia;iii. Bow Street, Raglan (James Street to Cliff Street);
		iv. George Street, Tuakau (Gibson Road to Liverpool Street);
		v. Great South Road, Pokeno (Selby Street to Market Street);
		vi. Main Street, Te Kauwhata (Saleyard Road to Baird Avenue).
P3	On-site manoeuvring and	14.12.1.3
	queuing	(1) All activities must comply with the following on-site manoeuvring and queuing conditions:
		(a) On-site manoeuvring space shall be provided to ensure that
		no vehicle is required to reverse onto a road except:
		 i. Rule 14.12.1.3(1)(a) does not apply to Local Roads within the Residential and Village Zones with a
		posted speed limit of less than 60 kph;
		(b) A 90 percentile car, as defined in Figure 14.12.5.8, can enter
		and exit all parking spaces without making more than one reverse movement, excluding spaces required for a dwelling;
		(c) On-site manoeuvring space for any heavy vehicle shall comply
		with the tracking curve (relevant for the type of activities to
		be carried out on the site and trucks to be used), as set out in the guideline RTS 18 - New Zealand on-road tracking
		curves for heavy motor vehicles (2007);
		(d) On-site manoeuvring space shall be formed;
		(e) On-site queuing space shall be provided in accordance with

			ntering and exiting any on-site
		car parking, loading or manoe	
			om the road boundary where
		vehicles first enter the	•
		ii. On-site queuing abov required on-site mand	e must not encroach into the peuvring area;
		•	ling spaces are not required on
		sites with vehicle accesses/ent	
		i. Main Street, Huntly;	
		ii. Jesmond Street, Ngar	uawahia:
			imes Street to Cliff Street);
			u (Gibson Road to Liverpool
		Street);	
			keno (Selby Street to Market
		Street);	
		vi. Main Street, Te Kauw Avenue).	hata (Saleyard Road to Baird
P4	Traffic generation	1.12.1.4	
) Any activity must comply with the	following traffic generation
		conditions:	5 5
		(a) Within the Residential, Village	or Country Living Zones there
		is a maximum of 100 vehicle n	, .
			e movements are heavy vehicle
		movements; or	,
		(b) Within the Rangitahi Peninsula	Zone there is a maximum of
		200 vehicle movements per da	
		these vehicle movements are	
		(c) Within the Business Zone Tan	<u> </u>
		Business Town Centre Zone to	
		vehicle movements per day, ar	
		vehicle movements are heavy	
		(d) Within the Rural Zone:	remere movements, or
			0 vehicle movements per day
			% of these vehicle movements
		are <mark>heavy vehicle</mark> mov	
		the state of the s	al Research Centres identified
			as a Specific Area there is
			e movements per day; or
		(e) Within the Industrial and Heaven the Huntly Power Station and	
			movements per day and no
			se vehicle movements are
		heavy vehicle movem	
		(f) From the Huntly Power Statio Industrial Zone on the plannin	•
			generated from all activities on
			cluding those movements which
		•	ned prior to 5 December 2012),
		there is a maximum 7	50 vehicle movements per day;
		and	
		ii. Maximum 300 of thes	e vehicle movements are <mark>heavy</mark>
		<mark>vehicle</mark> movements; o	r
		(g) From the Huntly Quarry site:	
			generated from all activities on
			cluding those movements
		which were lawfully e	stablished prior to 5 December

		2012), there is maximum 350 vehicle movements per day; and ii. No more than 150 of these vehicle movements are heavy vehicle movements, increasing to 200 once the Huntly Bypass section of the Waikato Expressway is open for public use. (h) Within Precincts A and B of the Te Kowhai Airpark Zone there is a maximum 250 vehicle movements per day and no more than 15% of these vehicle movements are heavy vehicle movements. (i) Within Precincts C and D of the Te Kowhai Airpark Zone there is a maximum of 30 vehicle movements per day and no more than 4 of these vehicle movements are heavy vehicle movements except: i. Movement restrictions do not apply if the activity is an event or promotion (including temporary events) in Precinct C or a community facility in Precinct C.
		Note: Table 14.12.5.13 provides indicative traffic generation rates for various activities
P5	Operation, maintenance and minor upgrading of existing public roads, State Highways and associated road network activities	14.12.1.5 (1) Operation, maintenance and minor upgrading of existing public roads, State Highways and associated road network activities must comply with the following conditions: (a) The works occur within the road or unformed road; (b) Works within the road must be: i. Incidental to, and serve a supportive function for, the existing public road; or ii. Required for the safety of road users; or iii. Required for the safety of adjacent landowners or occupiers; (c) Lighting shall be designed and located to comply with the Australia New Zealand Roading Lighting Standard 1158, (series) – Lighting for Roads and Public Spaces: 2005; and (d) Any earthworks must comply with Rule 14.3.1.3.
P6	New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities	14.12.1.6 (1) New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities must comply with the following conditions: (a) The public road is located within road or unformed road; (b) The public road is not located within an Identified Area; (c) The design requirements of Table 14.12.5.14 or 14.12.5.15, based on their function within the Road Hierarchy as set out in Table 14.12.5.5, except: i. Any National routes or Regional arterial roads would be subject to Rule 14.12.2 (RD6); ii. The specified minimum Road/right of way reserve widths in Table 14.12.5.14 or 14.12.5.15 do not include any additional width required for a turning head; iii. Any private access, right of way or access allotment over 70m in length must be constructed to be in accordance with the highest dimensions required for an access allotment in Table 14.12.5.14 or 14.12.5.15; and iv. The requirements of Table 14.12.5.14 or 14.12.5.15

P7	Access and New Roads — Te Kowhai Airpark Zone	shall not apply to taxiways within the Te Kowhai Airpark Zone. (d) Within road or unformed road located within the Tamahere Country Living Zone, all roads must: i. The minimum widths specified in Figure 14.12.5.17; and ii. Have swale drains on both sides of the carriageway capable of collecting all road runoff and overland flow towards the road or right of way from a 20% Annual Exceedance Period event; and iii. In areas of poorly-drained soils, either the stormwater is to be directed to areas with higher infiltration, or infiltration systems are to be constructed. (e) Within road or unformed road located within the Rangitahi Peninsula Zone, the relevant access and road requirements of the Rangitahi Structure Plan take priority over the conditions in Table 14.12.5.14 or 14.12.5.15 in the event of any conflict; (f) Within road or unformed road located within the Te Kauwhata Structure Plan area: iii. All roads and vehicle accesses shall be constructed in accordance with Table 14.12.5.14 and Figures 14.12.5.18, 14.12.5.19 and 14.12.5.20; and iv. Stormwater collection must be through grassed swales prior to reaching reticulated systems. (g) Any earthworks must comply with Rule 14.3.1.3. Note: Where the conditions of Table 14.12.5.14 or 14.12.5.15 do not specify a specific dimension and instead state this aspect is subject to a specific design; this aspect of the road is considered to be exempt when determining a permitted activity under Rule 14.12.1.6(1). The design of that specific aspect of the road is therefore subject to a separate certification process by the relevant road controlling authority.
		with the following conditions: (a) The design requirements of Table 14.12.5.14 or 14.12.5.15, based on their function within the Road Hierarchy as set out in Table 14.12.5.5, except: i. The requirements of Table 14.12.5.14 or 14.12.5.15 shall not apply to taxiways within Te Kowhai airpark. (2) Road alignment and the taxiway network within the Te Kowhai Airpark Zone shall be in accordance with Appendix 9 – The Te Kowhai Airpark Framework Plan. (3) The western boundary of the Te Kowhai Airpark Zone shall provide for future connectivity options (vehicular and / or pedestrian) in accordance with the location identified in Appendix 9 – The Te Kowhai Airpark Framework Plan. (4) Any earthworks must comply with Rule 14.3.1.3.
P8	Off-road pedestrian and cycle facilities	(a) Off-road pedestrian and cycling facilities that comply with all of the following conditions:

		 i. Have a minimum 2.0m width; ii. Are formed; iii. Comply with the relevant setback standards for the applicable zone; and 	
		iv. Any earthworks must comply with Rule 14.3.1.3; and v. Are not located within an Identified Area.	
P9	Stock underpasses located within: (a) Road and unformed road (b) Rural Zone	 14.12.1.9 (1) Stock underpasses in the Rural Zone located in the road and unformed road that comply with all of the following conditions: (a) Any earthworks must comply with Rule 14.3.1.3; and (b) Are not located within an Identified Area. 	

14.12.2 Restricted Discretionary Activities

- (a) The activities listed below are restricted discretionary activities.
- (b) Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

Activity		Matters of Discretion		
RDI	Vehicle access that does not comply with one or more of the conditions of Rule 14.12.1.1	Discretion is restricted to: (a) Traffic generation by the activities to be served by the access; (b) Location, design, construction and materials of the vehicle access; (c) Safety for vehicles and pedestrians; (d) Road network safety and efficiency; and (e) Mitigation to address safety.		
RD2	On-site parking and loading that does not comply with one or more of the conditions of Rule 14.12.1.2	Discretion is restricted to: (a) The number, area, type, location and marking of parking spaces; (b) The area, design, gradient, stormwater management, construction and materials of parking and loading spaces, (c) Accessibility of parking areas from on-site activities; (d) Safety for vehicles and pedestrians; (e) Mitigation to address amenity and connectivity.		
RD3	On-site manoeuvring and queuing that does not comply with one or more of the conditions of Rule 14.12.1.3	Discretion is restricted to: (a) Location, area, design, construction and materials of the manoeuvring and queuing space; (b) Type and frequency of use; (c) Safety design for vehicles and pedestrians; (d) Road network safety and efficiency.		
RD4	Traffic generation that does not comply with one or more of the conditions of Rule 14.12.1.4	Discretion is restricted to: (a) The trip characteristics of the proposed activity on the site; (b) Safety design for vehicles and pedestrians; (c) Road network safety and efficiency, particularly at peak traffic times; (d) Mitigation to address adverse effects, such as: • Travel planning; • Providing alternatives to private vehicle trips, including accessibility to public transport;		

		Staging development; and
		Contributing to improvements to the road network.
RD5	Operation, maintenance and minor upgrading of existing public roads, State Highways and associated road network activities that do not comply with one or more of the conditions of Rule 14.12.1.5	Discretion is restricted to: (a) Adverse effects on amenity values, including construction effects such as vibration and noise; (b) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions; (c) Severance and changes to drainage patterns; (d) The benefits provided by the activity, including safety and efficiency of the road network;
RD6	New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities that: (i) Are not located within an Identified Area; and (ii) Do not comply with one or more of the conditions of Rule 14.12.1.6	 (e) Management of sediment and dust, including the staging of works; (f) The volume, extent and depth of the earthworks activities; (g) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site.

RD7	Access and New Roads – Te Kowhai Airpark Zone that do not comply with one or more of the conditions of Rule 14.12.1.7	Discretion is restricted to: (a) The extent to which the Te Kowhai Airpark Framework Plan is not complied with; (b) The extent to which connectivity can safely and practically be achieved between Te Kowhai aerodrome and Te Kowhai village; (c) Adverse effects on amenity values, including construction effects such as vibration and noise; (d) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions; (e) Severance and changes to drainage patterns; (f) The benefits provided by the activity, including safety and efficiency of the road network; (g) Management of sediment and dust, including the staging of works; (h) The volume, extent and depth of the earthworks activities; (i) The location of the earthworks activities, taking into
		 (i) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site.
RD8	Off-road pedestrian and cycle facilities that do not comply with one or more of the conditions of Rule 14.12.1.8	Discretion is restricted to: (a) Design, construction and materials; (b) Safety for cyclists and pedestrians; (c) Connectivity with other off-road pedestrian and cycle facilities and the road network; and (d) Visual and amenity effects.

14.12.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Stock underpasses not provided for under Rule 14.12.1.9
D2	New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities that are located within an Identified Area

14.12.5 Transportation tables and figures

Table 14.12.5.1 - Separation distances

Separation distance of an access onto a road from an intersection or between accesses								
Speed Distance (m) Environment								
		P	К		M		N	l
	Regional Arterial and Arterial	Collector Road and Local Road	Regional Arterial and Arterial	Collector Road and Local Road	Regional Arterial and Arterial	Collector Road and Local Road	Regional Arterial and Arterial	Collector Road and Local Road
100 km/h	800	500	200	100	60		200	100
80 km/h	550	200	120	80			100	80
70 km/h	220		100	30	45		40	30
50 km/h or less	125	100	30		20		1!	5

Note: The references P, K, M and N are illustrated in Figure 14.12.5.2

Figure 14.12.5.2 - Separation distances

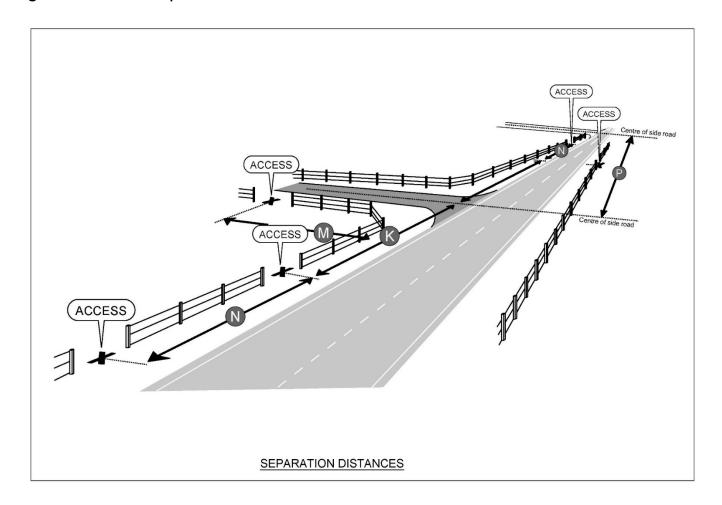


Table 14.12.5.3 - Minimum sight distances

Speed Environment	From a vehicle entrance generating up to	From a vehicle entrance generating more than 40 vehicle movements per day	
(km/h)	and including 40 vehicle movements per day	Rural Areas	Urban Areas
40	40m	70m	60m
50	60m	90m	80m
60	80m	I15m	105m
70	100m	I40m	I30m
80	I 30m	175m	165m
90	I 60m	210m	
100	200m	250m	
110	240m	290m	
120		330m	

Note: Sight distances are measured as illustrated in Figure 14.12.5.4

Figure 14.12.5.4 - Minimum sight distances

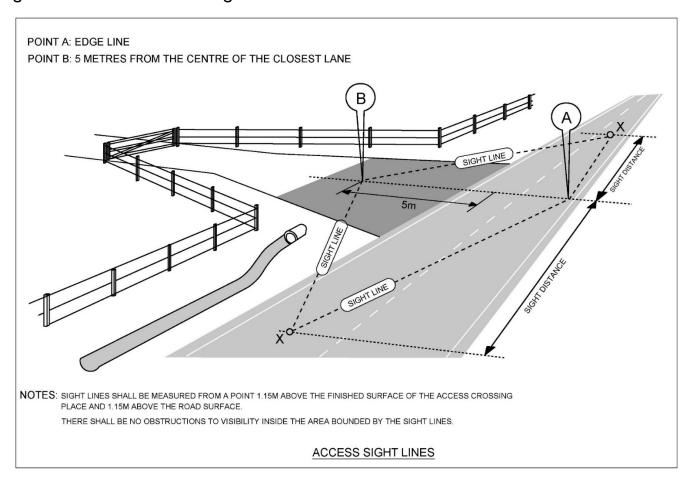


Table 14.12.5.5 - Functions of roads within the Road Hierarchy

Category	Function
National routes	 Motorways, expressways and state highways that: form a strategic network of national importance provide for the collection and distribution of goods significant to the national economy the through traffic function predominates.
 Regional arterial roads: state highways not included in National Routes category roads giving access to important tourist areas or centres of large populations roads linking different transport modes roads providing significant intra-urban links. 	State highways and roads that: form a strategic network of regional importance provide for the collection and distribution of goods significant to the regional economy rural roads that typically provide for more than 6,000 vehicle movements per day (vmpd) include rest areas the through-traffic function predominates.
Arterial roads: Inks between residential, commercial, industrial or recreational land use activities provide alternative links between centres of population or are significant for the movement of goods or produce within the district.	Roads that: • form a strategic network of district importance • provide for the collection and distribution of goods significant to the district's economy • rural roads that typically provide for less than 6,000 vehicle movements per day (vmpd) • the through traffic function needs to be balanced against the property access function.
Collector roads: • provide links between local roads and arterials.	Roads that: • provide locally-preferred routes between or within areas of population or activities • provide alternative routes to arterials • are sealed and are of road geometry aligned with operational safety standards required for the traffic volumes on each section • the through traffic function needs to be balanced against the property access function.
Local roads Cul-de-sacs and no-exit roads	Roads whose primary function is property access. Roads that do not provide a vehicular thoroughfare between roads, and whose primary function is property access.

Note: Corridor widths, road standards and the location of structures and services will vary for each road category, in accordance with Tables 14.12.5.14 and 14.12.5.15.

Table 14.12.5.6 - Road Hierarchy list

National Routes		
Road Name	Start	Finish
State Highway I	North district boundary	Hamilton City boundary
State Highway I	Hamilton City boundary	South district boundary
State Highway 2	State Highway I	East district boundary
State Highway 26	Hamilton City boundary	East district boundary

Regional Arterial				
Road Name	Start	Finish		
State Highway IB (Gordonton Road)	State Highway I	Taylor Road		
State Highway IB (Taylor Road)	Gordonton Road	Puketaha Road		
State Highway IB (Puketaha Road)	Taylor Road	Telephone Road		
State Highway IB (Telephone Rd)	Puketaha Road	Holland Road		
State Highway IB (Marshmeadow Road)	Holland Road	State Highway 26		
State Highway IB (Hoeka Road)	State Highway 26	Tauwhare Road		
State Highway IB (Marychurch Road)	Tauwhare Road	Southeast district boundary		
Gordonton Road	Taylor Road	Hamilton City boundary		
State Highway 23	Hamilton City boundary	Manukau Road, Raglan		
State Highway 21 (Airport Road)	Tamahere interchange	West district boundary		
State Highway 39 (Koura Drive)	State Highway I	State Highway 39 (Limmer Road)		
State Highway 39 (Te Kowhai Road)	State Highway 39 (Koura Drive)	State Highway 39 (Limmer Road)		
State Highway 39 (Limmer Road)	State Highway 39 (Limmer Road)	State Highway 39 (Horotiu Road)		
State Highway 39	State Highway 39	State Highway 39		

	Regional Arterial	
Road Name	Start	Finish
(Horotiu Road)	(Limmer Road)	(Whatawhata Road)
State Highway 39 (Kakaramea Road)	State Highway 23	South district boundary
Great South Road	Gordonton Road	State Highway I (Waikato Expressway)

Arterial				
Road Name	Start	Finish		
Buckland Road	Tuakau Road	George Street		
George Street (Tuakau)	Buckland Road	Whangarata Road		
Glen Murray Road	Te Ohaki Road	Marshall Road		
Gordonton Road	Borman Road/Hamilton City boundary	State Highway IB/Taylor Road		
Great South Road	Gordonton Road	State Highway I (Waikato Expressway)		
Hetherington Road	Te Ohaki Road	State Highway 22		
Holland Road	Ruakura Road	Waverley Road		
Horotiu Bridge Road	River Road	Great South Road		
Horotiu Road	Ngaruawahia Road	State Highway 39		
Ngaruawahia Road	Havelock Road	Horotiu Road		
Okaeria Road	Cozen Road	State Highway 2		
Piako Road	State Highway IB	Valintine Road		
Puketaha Road	Gordonton Road	Piako Road		
River Road (Ngaruawahia)	Kay Road	Great South Road		
River Road (Tuakau)	Whangarata Road	Tuakau Bridge		
Ruakura Road	State Highway 26	District boundary		
Tahuna Road	Ohinewai South Road	District boundary		
Tauwhare Road	State Highway 21	State Highway 26		
Te Kauwhata Road	State Highway I	Mahi Road		
Victoria Road	Tauwhare Road	Bellevue Road		
Waerenga Road	Wira Street	Cozen Road		
Waverley Road	Holland Road	Piako Road		

Arterial			
Road Name	Start	Finish	
Whatawhata Avenue	Ellery Street	Havelock Road	
Whitikahu Road	State Highway IB	Orini Road	

Collector								
Road Name	Start	Finish						
Aka Aka Road	Waiuku Road	Otaua Road						
Bankier Road	Horsham Downs Road	State Highway IB/Gordonton Road						
Dean Road	Great South Road	State Highway I						
George Street (Tuakau)	Dominion Road	Buckland Road						
Great South Road (Huntly)	State Highway I	Rayner Road						
Great South Road (Pokeno)	State Highway I	State Highway I						
Hakanoa Street	Onslow Street	Fletcher Street						
Harris Street	Rotowaro Road	Te Ohaki Road						
Harrisville Road	Mill Road	Dominion Road						
State Highway 22	Tuakau Bridge	Hetherington Road						
Horace Russell Road	Riverbank Road	State Highway I						
Kaiaua Road	Mangatangi Road	District boundary						
Lake Road	River Road	State Highway I B						
Lyons Road	Mangatawhiri Road	Paparimu Road						
Mangatangi Road	Mangatawhiri Road	Kaiaua Road						
Mangatawhiri Road	State Highway 2	Mangatangi Road						
Matangi Road	District boundary	Tauwhare Road						
Mercer Ferry Road	Riverbank Road	Murray Road						
Mile Bush Road	State Highway 22	Murray Road						
Newell Road	State Highway I	Devine Road						
Onewhero-Tuakau Bridge Road	State Highway 22	Speed restriction						
Onslow Street	Cul-de-sac west end	William Street						
Otaua Road	Aka Aka Road	Waiuku-Otaua Road						
Paparimu Road	Lyons Road	District boundary						
Platt Road	State Highway 26	Tauwhare Road						

	Collector									
Road Name	Start	Finish								
Pokeno Road	Great South Road	Ridge Road								
Rawiri Road	Mangatangi Road	State Highway 2								
Rayner Road	Main Street	William Street								
Rotowaro Road	Harris Street	Waingaro Road								
State Highway 22	Tuakau Bridge	Hetherington Road								
Tainui Bridge Road	State Highway I	Harris Street								
Te Mata Road	State Highway 23	Ruapuke Road								
Te Pahu Road	State Highway 23	District boundary								
Tuakau Bridge-Port Waikato Road	State Highway 22	Maunsell Road								
Waingaro Road	Great South Road	Ohautira Road								
Wainui Road	Bow Street	Whaanga Road								
Wainui Road/Bankart Street	Wainui Road (north)	Wainui Road (north)								
Waiuku-Otaua Road	Otaua Road	Misa Road								
Wallis Street	Bow Street	End of kerb and channel								
Whangarata Road	River Road	Ridge Road								
William Street	Rayner Road	Onslow Street								

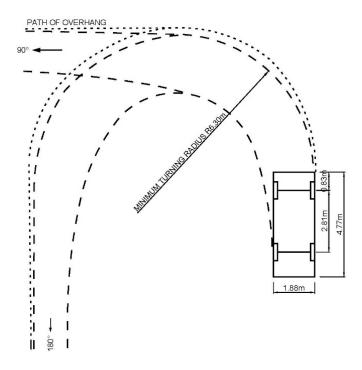
Table 14.12.5.7 – Required parking spaces and loading bays

Activity	Minimum Required Parking Spaces	Minimum Required Loading Bays
Bulk retail and car yards	I car space per I50m ² gross floor area (GFA)	I heavy goods vehicle (HGV)
Child care facility	I car space per every full time staff equivalent plus I car space per 5 children that the facility is designed to accommodate	Nil
Clubrooms at sports facilities	I car space per 35m² <mark>GFA</mark>	I HGV
Community facilities, conference facilities and place of assembly	I car space per 15m ² GFA, or I per 5 persons that the facility is designed to accommodate, whichever is greater	I HGV
Marae complex	I car space per I5m² <mark>GFA</mark>	I HGV

Activity	Minimum Required Parking Spaces	Minimum Required Loading Bays			
Papakaainga building	I car space per 30m² <mark>GFA</mark>	Nil			
Dairies, takeaway food, bottle stores	I car space per 30m ² <mark>GFA</mark> , except that in the Rangitahi Residential Zone I car space per 50m ² <mark>GFA</mark> is required	I HGV, except that in the Rangitahi Residential Zone I HGV per 1000m2 of <mark>GFA</mark> of Rangitahi commercial activity is required			
Minor dwelling	I car space per <mark>dwelling</mark>	Nil			
Dwelling	2 car spaces are required for dwellings with 2 or more bedrooms and one car space is required for studio or 1-bedroom residential units	Nil			
Retirement village	I car space per dwelling or unit	I HGV			
Multi-unit development	l car space per <mark>dwelling</mark> or unit	Nil			
Emergency service facilities	I car space per on- duty staff person, plus sufficient space for all the emergency vehicles that use the <mark>site</mark>	Nil			
Garden centres	I car space per 100m² <mark>site</mark> area	I HGV			
Health facility, veterinary and pers onal services	3 car spaces per professional	Nil			
Home occupations	In addition to residential requirements, I car space per employee plus I where the activity attracts clients to the site	Nil			
Hospitality services (e.g. cafés, taverns)	I car space per 10m² net public floor area, except that in the Rangitahi Residential Zone I car pace per 15m² net public floor area is required	I HGV, except that in the Rangitahi Residential Zone I HGV per I000m ² <mark>GFA</mark> of Rangitahi commercial activity is required.			
Housing for the elderly/ residential care	I car space per 4 occupants	Nil			
Indoor sports facilities	Nil				
Industrial activity	I car space per 100m² <mark>GFA</mark>	I HGV			
Infrastructure sites and activities	I car space per on-duty staff person No parking space requirement shall apply to unstaffed facilities and sites	Nil			
Office	I car space per 35m² <mark>GFA</mark>	Nil			

Activity	Minimum Required Parking Spaces	Minimum Required Loading Bays		
Outdoor sports field	15 car spaces per hectare of sports field	Nil		
Hospital or care facilities associated with retirement village	2 car spaces per 3 patients accommodated plus 1 per 2 full- time staff equivalents	I HGV		
Retail activity	I car space per 30 m ² GFA, including indoor and outdoor retail area	Nil		
School	Primary - I car space for every full time staff equivalent plus 2 for every 50 students accommodated. Secondary - I car space for every full-time staff equivalent plus I per I 0 students accommodated in Years II to I3	I bus space per 200 students where school bus services are provided		
Service stations	I car space per 45m ² GFA excluding car washes and canopies over petrol pumps, plus 3 queuing per car wash, plus 4 per repair bay	Nil		
Supermarket activity	I car space per 25m² <mark>GFA</mark>	2 HGV		
Tertiary education facilities	I car space per every full- time staff equivalent plus I per every 3 full-time equivalent students provided for by the institution	I HGV		
Travellers' accommodation	I car space per 4 persons to be accom modated (or in the Rangitahi Peninsula Zone I car space per accommodation unit), plus 2 for manager residences with more than I bedroom, plus I for every 2 full-time staff equivalents (whichever is greater), plus I coach park per 30 hotel or back packers' beds	I HGV		

Figure $14.12.5.8 - 90^{th}$ Percentile car tracking curve minimum radius



90 PERCENTILE CAR TRACKING CURVE MINIMUM RADIUS SCALE: 1:50

Table 14.12.5.9 – Required accessible parking spaces

Total number of car park spaces being provided	Minimum number of accessible car park spaces				
I-20	I				
21-50	2				
For every additional 50 car parks above 50 car park spaces	l additional				

Table 14.12.5.10 – Required bicycle spaces

Activity	Number of bicycle spaces
All activities	Bicycle parking spaces are provided at a ratio of I bicycle space for every 10 car park spaces required.

Table 14.12.5.11 – Car manoeuvring and parking space dimensions

Type of Parking Stall Width (a)		Type of Parking Stall Width (a) Stall Depth		Aisle Width (d)	Total Depth (e)		
Туре		From Wall (b)	From Kerb (c)	1	One Row	Two Rows	
	ALL MEASUREME	ENTS ARE IN METRI	ES				
Parallel	2.5	See Note I		3.5	5.9	8.3	
Nose in	2.5	4.2	4.0	3.5	7.7	11.9	
Nose in	2.5	4.9	4.5	3.5	8.4	13.3	
Nose in	2.5	5.4	4.9	4.1	9.5	14.9	
	2.6			3.5	8.9	14.3	
	2.7			3.5	8.9	14.3	
Nose in	2.5	5.4	4.9	6.3	11.7	17.1	
	2.6			5.2	10.6	16.0	
	2.7			4.6	10.0	15.4	
Nose in	2.5	5.1	4.6	7.7	12.8	17.9	
	2.6			7.0	12.1	17.2	
	2.7			6.8	11.9	17.0	
	Parallel Nose in Nose in Nose in	Parallel 2.5 Nose in 2.5 Nose in 2.5 Nose in 2.5 Nose in 2.5 2.6 2.7 Nose in 2.5 2.8	Parallel 2.5 See Note	Parallel 2.5 See Note	Parallel 2.5 See Note 3.5 Nose in 2.5 4.2 4.0 3.5 Nose in 2.5 4.9 4.5 3.5 Nose in 2.5 5.4 4.9 4.1 3.5 3.5 Nose in 2.6 2.7 3.5 Nose in 2.5 5.4 4.9 6.3 5.2 4.6 Nose in 2.5 5.1 4.6 7.7 7.0 7.0 1.5 7.0 1.5	ALL MEASUREMENTS ARE IN METRES Parallel 2.5 See Note I 3.5 5.9 Nose in 2.5 4.2 4.0 3.5 7.7 Nose in 2.5 4.9 4.5 3.5 8.4 Nose in 2.5 5.4 4.9 4.1 9.5 2.6 3.5 8.9 Nose in 2.5 5.4 4.9 6.3 11.7 2.6 5.2 10.6 2.7 4.6 10.0 Nose in 2.5 5.1 4.6 7.7 12.8 2.6 7.0 12.1	

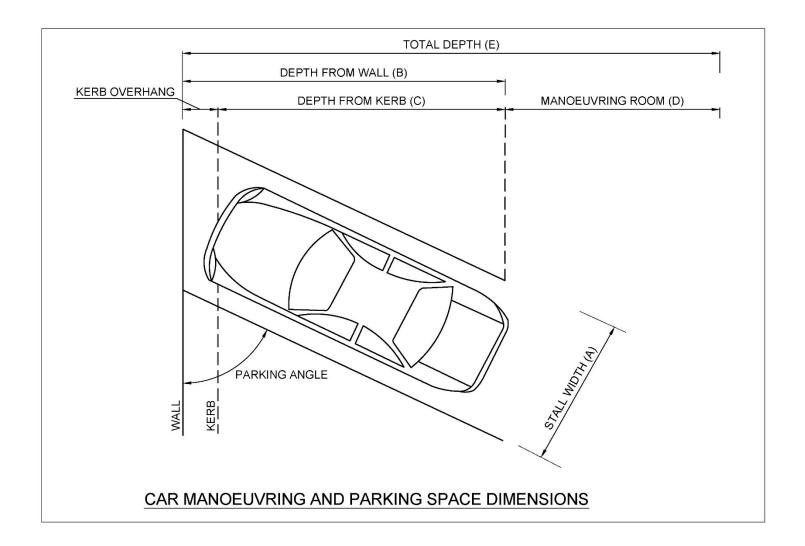


Table 14.12.5.12 – Queuing space

Number of parking spaces	Minimum queuing length at each vehicle entrance
Less than 3	
Residential activities	No queuing space required.
3 - 20	5.5m
21 - 50	10.5m
51 - 100	15.5m
101 - 150	20.5m
151 or over	25.5m
Drive-through facilities with access from an arterial road	50m

Table 14.12.5.13 – Traffic generation rates

Activity	Indicative daily vehicle movements*				
Bulk retail and car yards	45 per 100m² gross floor area (GFA)				
Childcare and day care facility	4 per child the facility is designed to accommodate				
Dairies, takeaway food, bottle stores	100 per 100m² GFA				
Dwellings	10 per dwelling				
Garden centres	I50 per I00m² GFA				
Health facility veterinary, and personal services	4 per professional the facility is designed to accommodate				
Hospitality services (e.g. cafés, bars)	90 per 100m² GFA				
Housing for the elderly/residential care	2 per resident the facility is designed to accommodate				
Industrial activities	30 per 100m² GFA				
Offices	25 per 100m² GFA				
Hospital	15 per patient bed the facility is designed to accommodate				
Retail activity	I30 per I00m² GFA				
School	2 per student the primary school is designed to accommodate, or 1 per student the secondary school is designed to accommodate				
Service stations	700 per 100m² GFA				
Supermarket activity	I30 per I00m² GFA				
Tertiary education facilities	2 per student the facility is designed to accommodate				
Travellers' accommodation	3 per bed the facility is designed to accommodate				

^{*} Based on Trips and parking related to land use - NZ Transport Agency research report 453, November 2011

Table 14.12.5.14 – Access and road conditions (Residential, Village, Business, Business Town Centre and Industrial Zones)

		Ge	eneral			Seal Width				rms	Ge	General	
Road Type	Number of Allotments or Activities	Design Speed (km/h)	Design Vehicle (RTS 18 Vehicle)	Minimum Road/ROW Reserve Width (m)		Provision (m)	Parking Provision	Seal Width (m) Does not include concrete kerb width	(m)	Minimum Footpath / Shared path (m)	Kerb and Channel / Water-table	Turning Area for no exit roads (RTS 18 Vehicle)	
	1.			nditions (Residentia		Business Town C	entre, Industrial a	nd Heavy Industri	al Zones)			•	
Access leg to an <mark>allotment</mark> (Residential, Village)		N/A	8m Rigid	4	N/A								
Access leg to an <mark>allotment</mark> (Business and Industrial)	I	N/A	_	6	N/A								
Private access, including ROWs and access allotments (Residential, Village)	2 to 4	N/A		8	5	N/A	N/A	4	Unsealed 1.2m on at least one side		Nib on one side, mountable on other	Subject to specific design that has beer certified	
Private access, including ROWs and access allotments (Business and Industrial)	2 to 8	N/A	_	10	6		N/A	6			Mountable	Subject to specific design that has beer certified	
Access allotment (Residential, Village)	5 to 8	N/A		8	5		Optional	5			Mountable	Yes	
Service Lane (Business and Industrial)	N/A	N/A	Subject to specific design that has been certified	8	6		No parking	6	Subject to specific design that has been certified	Optional	Non-mountable	Subject to specific design that has beer certified	
Local Road (Residential, Village)	>8	50	8m Rigid	20	6	None	Im on each side	8		1.8m on each side		8m Rigid	
Local Road (Business and Industrial)	_		19m Semi		9		Optional	9				19m Semi	
Collector Road (Residential, Village)	>100	50	8m Rigid	22	6	Subject to specific design that has been certified	2.5m on each side	11		1.8m on each side		8m Rigid	
Collector Road (Business and Industrial)	-		19m Semi	_	7			12				19m Semi	
Arterial Road (Residential, Village)	N/A	60	19m Semi	30	10	3	Recessed 2.5m on each side	13		1.8m on each side		N/A	
Arterial Road (Business and Industrial)	-												

Local roads in Lorenzen Bay	>8	50-80 (max)	N/A	17	6		2.5 metres on	П	Subject to specific	1.5 metres on one	Subject to specific	Yes
Structure Plan Area							alternative sides		design that has	side of the road	design that has been	
				(Complies					been certified		certified	
				with <mark>Figure</mark>								
				14.1.5.18)								
Roads in Te Kauwhata Structure	>1	50-80 (max)	N/A	20	Refer to Figures 14.1.5	5 <mark>.19-14.1.5.21</mark> (cross	-sections)					
Plan area												

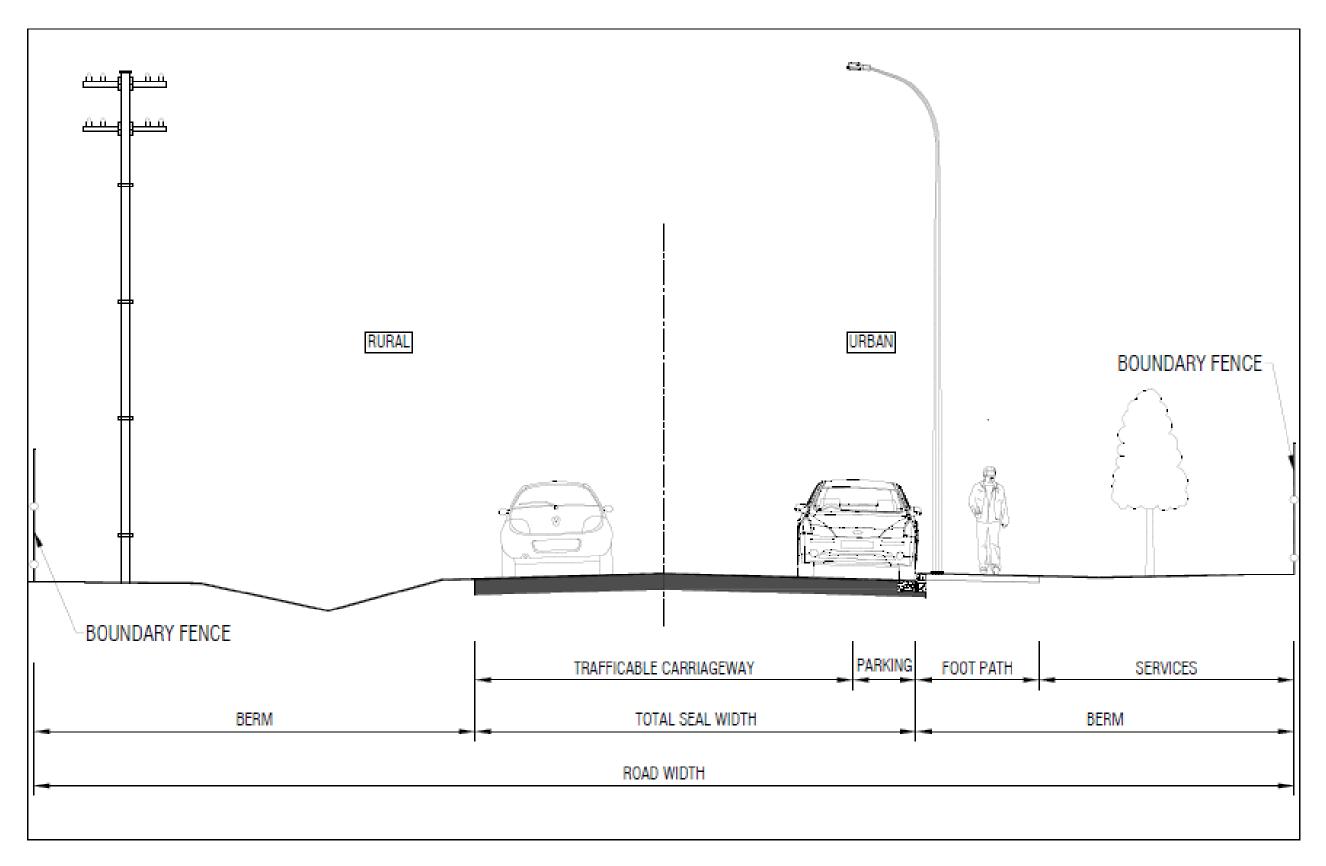
Notes:

- The Regional Integrated Technical Specifications contains further details on road width/design requirements
 Figure 14.1.4.16 illustrates the various parts of the road (seal width, berm etc.) defined in Tables 14.12.4.14 and 14.12.4.15

Table 14.12.5.15 – Access and road conditions (Rural and Country Living Zones)

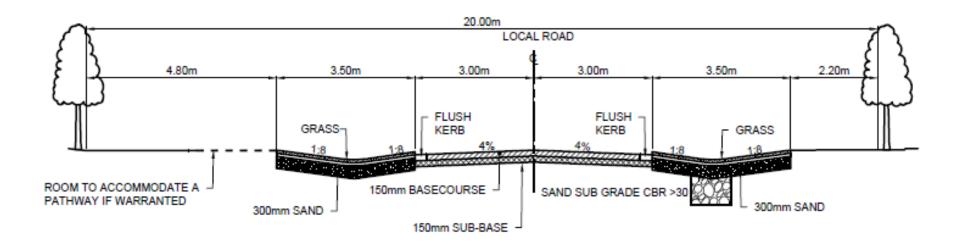
General			Seal Width					Berms			General	
Road Type	Number of Allotments or Activities	Design Speed (km/h)	Design Vehicle (RTS 18 Vehicle)	*Minimum Road/ROW Reserve Width (m)	Minimum Trafficable Carriageway (m)	Minimum Median Provision (m)	Parking Provision	Minimum Total Seal Width (m) Does not include concrete kerb width	(m)	Minimum Footpath / Shared path (m)	Water-table	Turning area for no exit roads (RTS 18 Vehicle)
					Rural a	and Country Living	Zones					
Access leg to an allotment	I	N/A	8m Rigid	6	N/A							
Private access, including ROWs and access allotments		N/A		6	3	N/A	N/A	3	Subject to specific design that has been certified		Optional	Subject to specific design that has been certified
Access allotment	4 to 8	N/A	1	10	5			5				Yes
Local	>8	Subject to specific design	Subject to specific design that has been certified		6	No	-	6		Subject to specific design that has been certified	Country living - nibs along seal edge. All others to	8m Rigid
Collector <1000 adt >100		1	19m Semi	20	7	Subject to specific		8.5	1		specific design that	
Collector > 1000 add	t N/A	110		20	7	design that has been certified		10			has been certified.	N/A

Figure 14.12.5.16 – Attachment to Tables 14.12.5.14 and 14.12.5.15

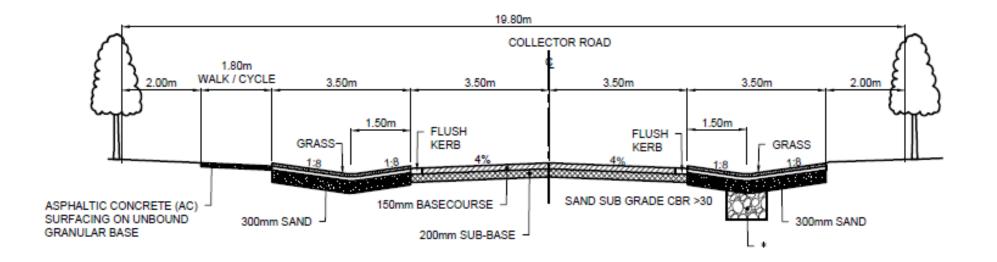


Note: The purpose of Figure 14.12.5.16 is to define the various aspects of the road as set out in Tables 14.12.5.15. Figure 14.12.5.16 is not intended to prescribe a preferred road layout. Proposed District Plan Stage I 19 Business Zone Tamahere 18 July 2018 (Notified version)

Figure 14.12.5.17 – Tamahere Country Living Zone - Road cross sections



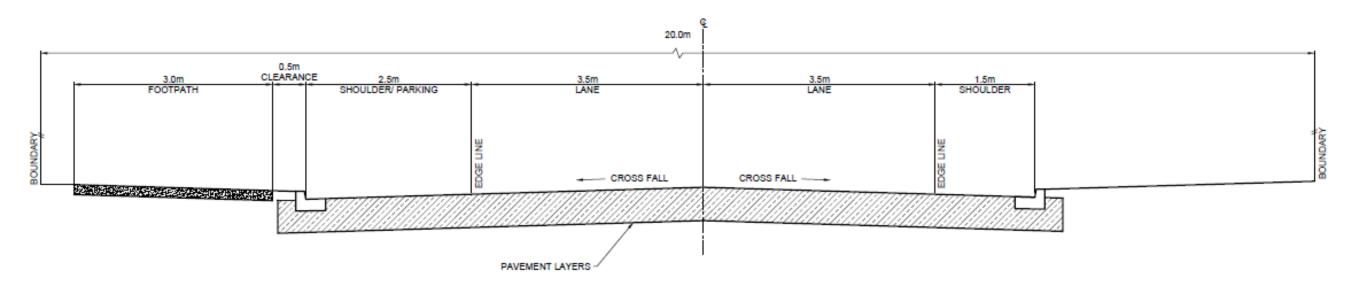
CROSS SECTION OF LOCAL ROAD - TAMAHERE COUNTRY LIVING ZONE SCALE: 1:50



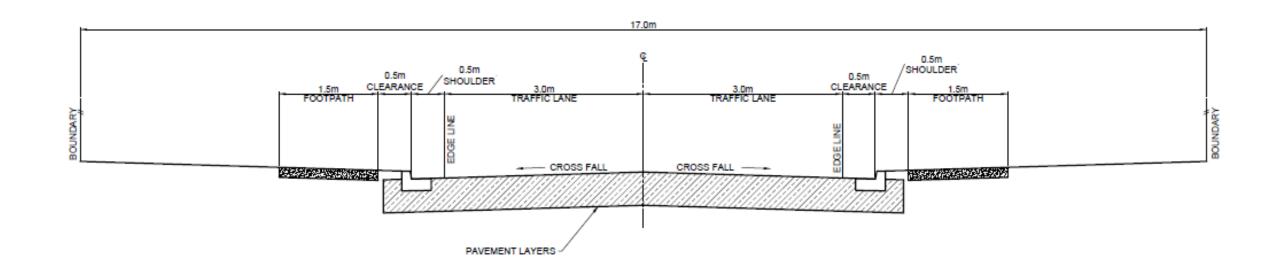
CROSS SECTION OF COLLECTOR ROAD - TAMAHERE COUNTRY LIVING ZONE SCALE: 1:50



Figure 14.12.5.18 - Lorenzen Bay Structure Plan - Road cross sections



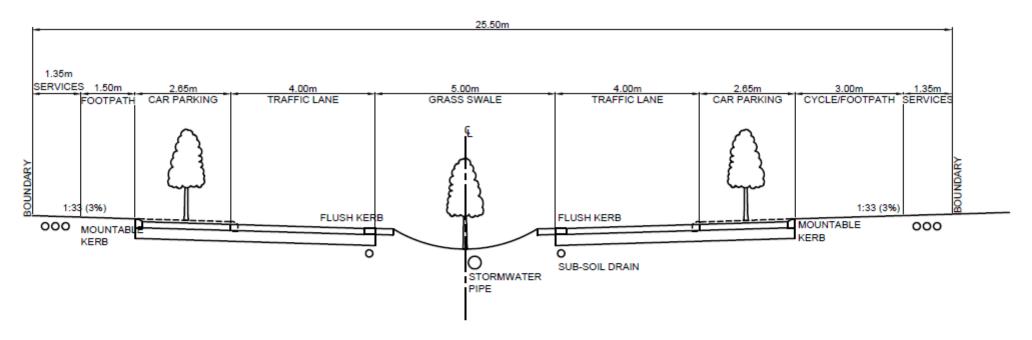
CROSS SECTION THROUGH COLLECTOR ROAD - LORENZEN BAY SCALE: 1:25



CROSS SECTION THROUGH MINOR ROAD - LORENZEN BAY SCALE: 1:25



Figure 14.12.5.19 – Te Kauwhata Structure Plan – Road cross sections – Collector Roads



NOTE:

SWALE DESIGN TO INCLUDE ANTI-SCOUR
 MECHANISMS WHERE REQUIRED.

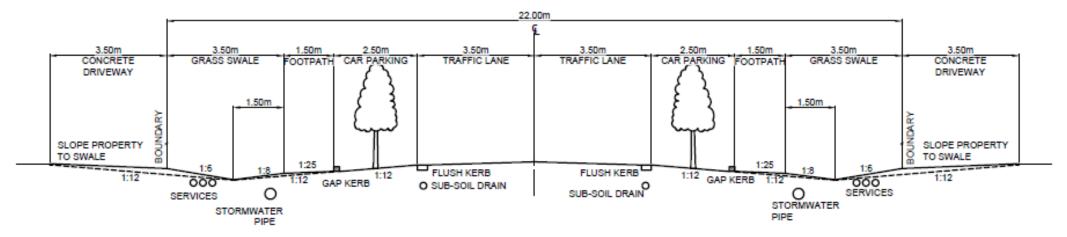
CROSS SECTION THROUGH COLLECTOR ROAD 25.5m (vpd>1500)

SCALE 1:50

TE KAUWHATA STRUCTURE PLAN



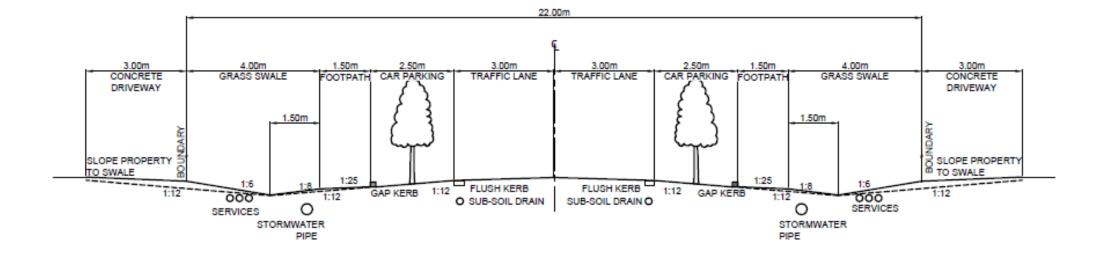
Figure 14.12.5.20 – Te Kauwhata Structure Plan – Road cross sections – Local Roads



CROSS SECTION THROUGH LOCAL ROAD A (500</br> SCALE: 1:50 TE KAUWHATA STRUCTURE PLAN

NOTE:

 SWALE DESIGN TO INCLUDE ANTI-SCOUR MECHANISMS WHERE REQUIRED.



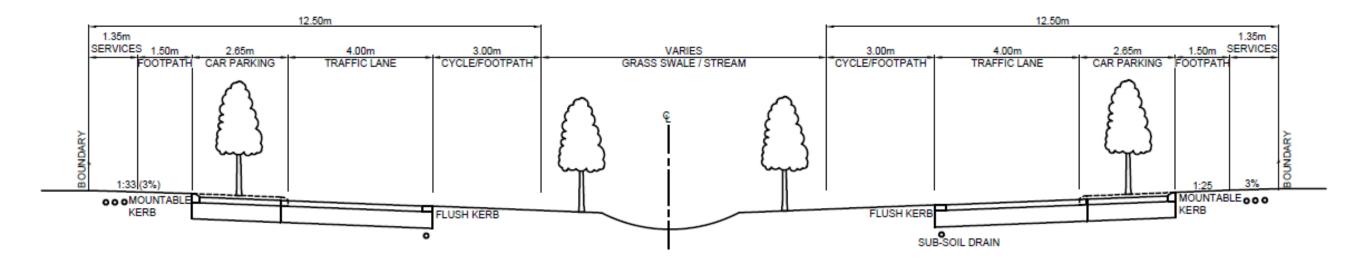
CROSS SECTION THROUGH LOCAL ROAD B (vpd<500)

SCALE: 1:50

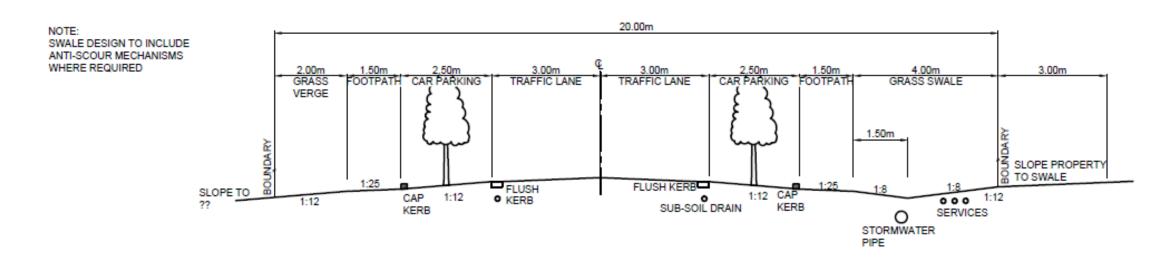
TE KAUWHATA STRUCTURE PLAN



Figure 14.12.5.21 – Te Kauwhata Structure Plan – Road cross sections – Greenway Corridor and Whangamarino Margin Roads



CROSS SECTION THROUGH GREENWAY CORRIDOR 25m SCALE: 1:50 TE KAUWHATA STRUCTURE PLAN



CROSS SECTION THROUGH WHANGAMARINO MARGIN (vpd<500)

SCALE: 1:50

TE KAUWHATA STRUCTURE PLAN

