# Chapter 14: Infrastructure and Energy

Proposed Waikato District Plan Stage I (Recommended amended version)



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## Chapter 14: Infrastructure and Energy

## 14.1 Introduction

- (1) 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. The objectives and policies of Ch 2 Tangata Whenua, Ch 3 Natural Environment and Ch 7 Historic Heritage will apply to infrastructure activities within the Identified Areas of those Chapters.
- (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 this chapter <sup>2</sup> 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 rules <sup>3</sup> 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 rules in this section, the NESETA provisions shall prevail.<sup>4</sup><sup>(1)</sup>

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<sup>&</sup>lt;sup>1</sup>836.72 Powerco

<sup>&</sup>lt;sup>2</sup> 697.520 Waikato District Council

<sup>&</sup>lt;sup>3</sup> 697.521 Waikato District Council

<sup>&</sup>lt;sup>4</sup> 697.523 Waikato District Council

- (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. In the case of conflict with any other provision of this plan, the NESTF provisions shall prevail.<sup>5</sup>
- (8) The New Zealand Archaeological Association Archaeological sites are included on the planning maps for District Plan information purposes only. However, these sites are subject to the requirements of the Heritage NZPT Act 2014. Heritage New Zealand Pouhere Taonga must be contacted regarding development on or in proximity to these sites and the need to undertake an archaeological authority. The Heritage New Zealand Pouhere Taonga Act 2014 protects both recorded and unrecorded archaeological sites.<sup>6</sup>
- (9) Rural land uses, such as farming activities, are generally not infrastructure when they are on-farm services and do not have a public or group infrastructure purpose. In most cases they can co-exist with infrastructure, subject to activity specific conditions and any necessary protection of the infrastructure against adverse effects. Many aspects of farming activity, such as pasture maintenance, animal grazing, land cultivation, pest and weed control, maintenance of farm access and farm infrastructure such as fences, stock bridges and culverts, water pipelines, troughs and stock drinking water storage tanks are not sensitive to network utility and energy infrastructure operation. Where such land use is not incompatible with infrastructure networks, then it presents an efficient use of resources to enable their coexistence in order to maximise benefits and minimise costs.

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

<sup>&</sup>lt;sup>5</sup> 697.524 Waikato District Council

<sup>&</sup>lt;sup>6</sup> 559.148 Heritage NZPT

<sup>&</sup>lt;sup>7</sup> 680.274 FFNZ

#### 14.12 Transportation

#### Advice Notes for 14.1 Introduction:

(10) Transpower or a suitably qualified engineer should be contacted for assistance with clearance requirements in NZECP 34:2001. Compliance with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZCEP 34:2001) is mandatory under the Electricity Act 1992. All activities regulated by NZECP34:2001, including buildings, structures, earthworks and the operation of mobile plant, must comply with that regulation. Activities should be checked for compliance even if they are permitted by the District Plan. <sup>8</sup>

(11) The Electricity (Hazards from Trees) Regulations 2003 applies to vegetation planted within the National Grid Corridor or near sub-transmission or distribution electricity lines and must be complied with. Vegetation to be planted within the National Grid Yard as shown on the District Plan Maps should be selected and/or managed to ensure that it will not result in that vegetation breaching the Electricity (Hazards from Trees) Regulations 2003 or prevent access to support structures. To discuss works, including tree planting near any electricity line especially works within the National Grid Yard, contact the relevant network utility operator. <sup>9</sup>

## 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.
- (b) Where compliance with Rule 14.2 or 14.3 would contravene a rule in Rule 14.4, 14.5, 14.6, 14.7, 14.8, 14.9, 14.10, 14.11, or 14.12, then the requirements of Rule 14.4, 14.5, 14.6, 14.7, 14.8, 14.9, 14.10, 14.11, or 14.12 shall prevail. <sup>10</sup>

Activ	ity	Activity specific conditions	
PI	New <mark>infrastructure</mark>	14.2.1.1	
		<ul> <li>(1) Any new infrastructure activity and associated structures listed as a permitted activity within Chapter 14 must meet all of the following conditions: <ul> <li>(a) Not exceed 10m<sup>2</sup> in area above ground;</li> <li>(b) Not exceed 2.5m in height;</li> </ul> </li> <li>(c) Comply with the height in relation to boundary limits for the zone in which it is located;</li> <li>(d) Comply with the height in relation to boundary limits for the adjoining zone, if located in road or unformed road;</li> </ul>	

- <sup>10</sup> 697.525 Waikato District Council
- <sup>11</sup> 697.527 Waikato District Council]

<sup>&</sup>lt;sup>8</sup> 576.68 Transpower

<sup>&</sup>lt;sup>9</sup> 576.68 Transpower

		<ul> <li>(e) Not exceed the relevant noise limits that are applicable to that zone, when measured at the nearest boundary of the site. and any adjacent zone. 12</li> <li>(f) Any other relevant conditions applying to that activity listed within Rules 14.3–14.12.</li> </ul>
		(2) The conditions in Rule 14.2.1.1(1) do not apply to:
		<ul> <li>(a) Activities with specific conditions relating to area, height, <sup>13</sup> location and noise listed elsewhere within Rules 14.3–14.12;</li> <li>(b) Roads or other lineal transport networks;</li> <li>(c) Road network activities, which include lighting and signage structures; and</li> <li>(d) Activities subject to National Environmental Standards Telecommunication Facilities 2016.</li> </ul>
		(e)Support poles associated with service connections are exempt
<b>D</b> 2		from height in relation to boundary rules <sup>14</sup> 14.2.1.2
P2	Construction noise	<ol> <li>Construction, maintenance, repair, replacement, upgrading or removal of infrastructure or the installation of new infrastructure must comply with NZS 6803:1999 Acoustics – Construction noise.</li> </ol>
P3	Any activity emitting electric and magnetic fields	<ul> <li>14.2.1.3</li> <li>(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.</li> </ul>
P4	Any activity emitting radio frequency fields	<ul> <li>14.2.1.4</li> <li>(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.</li> </ul>

## 14.2.2 Restricted Discretionary Activities

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

Activ	ity	Matters of Discretion
RDI	New infrastructure that does not comply with one or more of the conditions of Rule 14.2.1.1	<ul> <li>Discretion is restricted to:         <ul> <li>(a) The functional and operational needs of, and benefits derived from, the infrastructure;</li> <li>(b) Visual, landscape, streetscape and amenity effects;</li> <li>(c) Noise levels.</li> </ul> </li> </ul>
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;

<sup>&</sup>lt;sup>12</sup> 923.142 Waikato District Health Board

<sup>&</sup>lt;sup>13</sup> 697.527 Waikato District Council

<sup>&</sup>lt;sup>14</sup> 644.32 Spark; 646.32 Vodafone; 648.32 Chorus

	<ul><li>(d) Timing and duration; and</li><li>(e) Methods of construction.</li></ul>	
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#### 14.2.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Any infrastructure not specifically listed provided for as a permitted, restricted discretionary or non-
	complying activity <sup>15</sup> within Chapter 14, including associated earthworks, not located within an
	Identified Area

### 14.2.<u>34</u> 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 provided for as a permitted, restricted discretionary, discretionary or non-complying activity <sup>16</sup> 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.

(b) The Activity and activity specific conditions in 14.3 apply to all infrastructure except where a provision in the specific infrastructure type section 14.4 to 14.12 deals with the same matter, in which case the specific infrastructure type provision shall prevail. <sup>17</sup>

Activity		Activity specific conditions		
PI	The operation, maintenance, repair and removal of existing <mark>infrastructure</mark>	Nil		
P2	Minor upgrading of existing infrastructure	<ul> <li>14.3.1.1</li> <li>(1) The realignment, configuration, relocation or replacement of infrastructure and associated structures that meet all of the following conditions: <ul> <li>(a) Are within 5m of the existing alignment or location;</li> </ul> </li> </ul>		

<sup>15</sup> 742.86 NZTA

<sup>16</sup> 742.86 NZTA

<sup>17</sup> 576.25 Transpower

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		Do not increase the height of any existing pole or support structure by more than <u>15% 40% to a maximum height of</u> <u>20m in all zones except the Rural Zone, Industrial Zone, Industrial Zone Heavy</u> <sup>18</sup> and Motor Sport and Recreation <u>Zone</u> ; <sup>19</sup> Do not increase the diameter (width) of any existing pole or support structure by more than <u>15-50% or 100%</u>
		increase in the case of a double pole in ALL zones; <sup>20</sup>
	(d)	Do not increase the diameter of any existing above- ground pipe by more than <del>15%300mm;</del> and <sup>21</sup>
	(e)	Do not increase the area of any existing above-ground structure by more than <u>15%25%</u> . <sup>22</sup>
(2)	Alte	erations and additions to overhead electricity and
		ecommunication lines on existing poles or support
		uctures 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;
		The addition of longer, more efficient insulators;
	(e)	The addition of earth wires (which may contain
		telecommunication lines), earthpeaks and lightning rods;
	(f)	The addition, replacement or relocation of transformers <u>or visually similar fixtures</u> ; <sup>23</sup>
	(g)	The addition, replacement or relocation of circuits and
	/L.\	conductors;
	(n)	The addition or replacement of telecommunication lines and fittings;
	(i)	The replacement of existing crossarms with crossarms of
	. /	an alternative design;
	(j)	The increase in voltage of electric lines up to 110kV; or
	(k)	
		networks to address clearances in New Zealand Electrical
		Code of Practice for Electrical Safe Distances 34:2001
	Τւ	ISSN 0114-0663 (NZECP34:2001).
(3)		e addition, replacement or relocation of existing antennas ere:
		ere: The antennas shall not increase <del>in <u>the face</u> area by more</del>
	( <sup>u</sup> )	than 20%-of the relevant permitted standard for new
		panel antennas and shall not increase the diameter of dish
		antenna by more than 20% of the relevant permitted
		standard for a new dish antenna; and <sup>24</sup>
	(b)	The antennas shall not increase in height by more than
		20% of the relevant permitted standard for <u>new dish and</u>
		panel antennas. <sup>25</sup>

<sup>18</sup> 697.518 Waikato District Council

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 <sup>&</sup>lt;sup>19</sup> 580.4 Meridian Energy; 692.6 WEL Networks; 648.33 Chorus; 646.33; Vodafone; 644.33 Spark
 <sup>20</sup> 580.4 Meridian Energy; 692.6 WEL Networks; 648.33 Chorus; 646.33; Vodafone; 644.33 Spark

 <sup>&</sup>lt;sup>21</sup> 423.17 Watercare; 405.24 Counties Power
 <sup>22</sup> 423.17 Watercare; 405.24 Counties Power; 692.6 WEL Networks

<sup>&</sup>lt;sup>23</sup> 405.25 Counties Power

<sup>&</sup>lt;sup>24</sup> 648.33 Chorus; 646.33; Vodafone; 644.33 Spark

<sup>&</sup>lt;sup>25</sup> 648.33 Chorus; 646.33; Vodafone; 644.33 Spark

		Earthworks activities associated with the minor upgrading of existing infrastructure must comply with the conditions of Rule 14.3.1.3.
		<ul> <li>(4) The minor upgrading of existing infrastructure must not remove any tree identified in Schedule 30.2.</li> <li>(5) 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.</li> </ul>
		(7) The conditions in Rule 14.3.1.1(1) do not apply to road network activities or other lineal transport networks. <sup>26</sup>
P3	Temporary infrastructure	14.3.1.2
		<ol> <li>Installation and operation of temporary infrastructure that meets all of the following conditions:         <ul> <li>(a) Any buildings and/or structures must be removed from the site on completion of the works;</li> <li>(b) The ground must be reinstated on completion of works; and</li> <li>(c) The activity, including the requirements of Rule 14.3.1.2(1)                 <ul> <li>(a) and (b), must not exceed 12 months in total.</li> </ul> </li> </ul> </li> </ol>
P4	Earthworks activities	14.3.1.3
	associated with infrastructure	<ul> <li>Any earthworks associated with infrastructure, including formation and maintenance of access tracks,<sup>27</sup> must comply with all of the following conditions: <ul> <li>(a) Do not exceed a volume of more than 2,500m<sup>3</sup> for any single activity;</li> <li>(b) Do not exceed an area of more than 2,500m<sup>2</sup> for any single activity;</li> <li>(c) Within 10m of a watercourse (excluding artificial watercourses) <sup>28</sup> or 20m of Mean High Water Springs do not exceed a volume of more than 5m<sup>3</sup> and an area of more than 5m<sup>2</sup> for any single activity, excluding existing rail infrastructure; <sup>29</sup></li> <li>(d) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the earthworks activity;</li> <li>(e) All fill material used must be clean fill;</li> <li>(f) Areas exposed by earthworks activities are to be recontoured and replanted within 6 months of the commencement of the earthworks;</li> <li>(g) Earthworks shall not obstruct or divert any stormwater overland flow path <del>or in</del> such a way as to <sup>30</sup> result in changed stormwater drainage patterns on another site.</li> <li>(h) Earthworks are not located within: any Historic Heritage</li> </ul> </li> </ul>

 <sup>&</sup>lt;sup>26</sup> 697.529 Waikato District Council

 <sup>27</sup> 576.29 Transpower

 <sup>&</sup>lt;sup>28</sup> 742.89 NZTA
 <sup>29</sup> 986.83 KiwiRail
 <sup>30</sup> 405.27 Counties Power

		<ul> <li>Sites or Areas of Significance within Schedule 30.3 or 30.4; the dripline of any Notable Tree within Schedule 30.2; any Heritage Precinct; or any Significant Natural Area.<sup>31</sup></li> <li>(i) Rule 14.3.1.3(1)(f) does not apply to earthworks required to establish a foundation or surface that will ultimately be sealed or constructed upon.</li> <li>(j) Earthworks associated with infrastructure in Landscape and Natural Character Areas must not:</li> <li>(k) Exceed 1.5m in height in relation to the cut or fill batter face; and</li> <li>(l) Use imported soil, other than the placement of aggregate/metal on any access track or in association with laying underground infrastructure; and</li> <li>(m) Disturb or move more than 50m3 or exceed an area of 250m2 in a Significant Amenity Landscape sand dune over any consecutive 12 month time period; and</li> <li>(n) Disturb or move more than 50m3 or exceed an area of</li> </ul>
		<ul> <li>(n) Disturb or move more than 50m3 or exceed an area of 250m2 in a High or Outstanding Natural Character area of the coastal environment over any consecutive 12 month time period; and</li> <li>(o) Disturb or move more than 50m3 or exceed an area of 250m2 in an Outstanding Natural Feature or Outstanding Natural Landscapes over any consecutive 12 month time period.</li> </ul>
P5	Trimming, maintenance or removal of vegetation or trees associated with infrastructure	<ul> <li>14.3.1.4</li> <li>(1) Trimming and pruning of trees and vegetation, except for Notable trees in Schedule 30.2, necessary to protect all overhead electric lines or telecommunication lines: <sup>32</sup> <ul> <li>(a) No tree identified in Schedule 30.2 is removed;</li> <li>(b) Any required trimming of a tree identified in Schedule 30.2 is either:</li> <li>(i) To remove dead, dying, or diseased branches and the tree work is undertaken by a works arborist; or</li> <li>(ii) The maximum branch diameter does not exceed 50mm at severance and no more than 10% of live foliage growth is removed over any consecutive 12 month time period.</li> </ul> </li> <li>(2) Any trimming, maintenance or removal of vegetation or trees associated with infrastructure, including access tracks. <sup>33</sup> that meet all of the following conditions:</li> <li>(3) Any trimming, maintenance or removal of vegetation, where required for the safe operation or maintenance of the National Grid or to remove a potential fire risk associated with the National Grid. <sup>34</sup></li> </ul>
		<b>Note:</b> <u>Trimming, maintenance or removal of vegetation or non-</u> <u>notable t</u> Trees in and around electrical assets <del>are required to be</del>

<sup>31</sup> 559.150 Heritage NZPT; 697.530 & 697.531 Waikato District Council; 644.34 Spark & 646.34 Vodafone & 648.34 Chorus
 <sup>32</sup> 692.9 WEL Networks
 <sup>33</sup> 576.30 Transpower
 <sup>34</sup> 574.30 Transpower

<sup>34</sup> 576.30 Transpower

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		shall be managed <sup>35</sup> in accordance with the Electricity (Hazards from
		Trees) Regulations 2003.
P6	Pipe and cable bridge structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and gas	<ul> <li>14.3.1.5</li> <li>(1) Pipe and cable bridge structures that meet all of the following conditions: <ul> <li>(a) Do not exceed 25m total length;</li> <li>(b) Do not exceed Im width;</li> <li>(c) Do not exceed Im depth;</li> <li>(d) Are not located in an Identified Area.</li> </ul> </li> </ul>
P7	Electric vehicle chargers	14.3.1.6
		<ol> <li>Electric vehicle chargers that meet all of the following conditions:         <ul> <li>(a) Do not exceed maximum height of 1.8m-2.5m each; <sup>36</sup></li> <li>(b) Do not exceed a maximum area of 1.5m<sup>2</sup> each;</li> <li>(c) Have a socket connection, or a fitted cable management accessory;</li> <li>(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; <sup>37</sup></li> <li>(e) (c) Are not located in an Identified Area. <sup>38</sup></li> </ul> </li> </ol>
P8	Service connections	14.3.1.7
P9	Minor infrastructure structure	(1) 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.
PH	Signage associated with infrastructure required for health and safety or asset identification purposes and/or required by legislation	Nil
PI2	Service connections for subdivision	<ul> <li>14.3.1.8</li> <li>(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: <ul> <li>(a) Wastewater;</li> <li>(b) Water supply;</li> </ul> </li> </ul>

<sup>35</sup> 419.142 Hort NZ
 <sup>36</sup> 692.11 WEL Networks
 <sup>37</sup> 692.11 WEL Networks
 <sup>38</sup> 692.11 WEL Networks

<ul> <li>(c) Stormwater (a management system that complies with Rule 14.11.1.1);</li> <li>(d) Electricity supply;</li> <li>(e) Telecommunications that is hard-wired or wireless; and</li> <li>(f) Vehicle access that complies with Rule 14.12.1.1.</li> </ul>
(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 Pula 14.1.1.2
<ul> <li>with Rule 14.11.1.3.</li> <li>(3) Within all zones, except the Rural, and Country Living and Village Zones where there is no reticulated water supply, <sup>39</sup> the water supply required under Rule 14.3.1.8 (1)(b) must be adequate for fire-fighting purposes in accordance with New Zealand Fire Service Firefighting Water Supplies Code of Practice SNZ PAS 4509:2008. Compliance with this Code of Practice can typically be achieved through connection to a Council reticulated water supply. <sup>40</sup></li> </ul>
(4) Within the Rural, Country Living and non-reticulated Village Zones, where a subdivision is for the purposes of an additional house
or workplace building, provision shall be made for an adequate supply of water and access to water supplies for fire-fighting
purposes in accordance with New Zealand Fire Service Firefighting Water Services Code of Practice SNZ PAS 4509:2008. <sup>41</sup>
(5) <u>Rule 14.3.1.8(1)(b) and (c) do not apply to any Rural or Country</u> Living Zone site. <sup>42</sup>

## 14.3.2 Controlled Activities

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

Activity		Activity specific conditions	Matters of control
СІ	Subdivision to create a <mark>utility allotment</mark> for accommodating <mark>infrastruc</mark> ture	<ul> <li>14.3.2.1</li> <li>(1) Is undertaken by a network utility operator as defined by the Resource Management Act 1991; and</li> <li>(2) Is for infrastructure permitted under Chapter 14; or</li> <li>(3) Is for infrastructure that has all necessary resource consents granted or notices of requirement confirmed. 43</li> </ul>	Control is reserved over: (a) The adequacy of the allotment for its intended use; (b) Whether any easement is required.

<sup>&</sup>lt;sup>39</sup> 397.4 Horotiu Properties Limited; 602.38 Greig Metcalfe <sup>40</sup> 378.15 FENZ

<sup>42</sup> 697.532 Waikato District Council

<sup>41 378.15</sup> FENZ

<sup>&</sup>lt;sup>43</sup> 697.536 Waikato District Council

## 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	<ul> <li>Discretion is restricted to:         <ol> <li>The functional and operational needs of, and benefits derived from, the infrastructure;</li> <li>Visual, streetscape and amenity effects;</li> <li><u>Transport road</u> <sup>44</sup> network safety and efficiency;</li> <li>Management of sediment and dust, including the staging of works;</li> <li><u>The volume, extent and depth of the earthworks activities;</u> <sup>45</sup></li> <li>The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site;</li> <li><u>Any flood or land stability risks;</u> <sup>46</sup></li> <li><u>Visual, landscape and amenity effects;</u> <sup>47</sup></li> <li>Whether alternative methodologies avoiding the need to affect any tree identified in Schedule 30.2 have been adequately considered. <sup>48</sup></li> </ol> </li> </ul>	
RD2	Earthworks associated with infrastructure that do not comply with one or more of the conditions of Rule 14.3.1.3	<ul> <li>Discretion is restricted to: <ul> <li>(a) Management of sediment and dust, including the staging of works;</li> <li>(b) The volume, extent and depth of the earthworks activities;</li> <li>(c) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site, including Maaori Sites and Areas of Significance and any Heritage Items; <sup>49</sup></li> <li>(d) Any flood or land stability risks; and</li> <li>(e) Visual, landscape and amenity effects.</li> </ul> </li> </ul>	
RD3	Trimming, maintenance or removal of vegetation or trees that does not comply with one or more of the conditions of Rule 14.3.1.4	<ul> <li>Discretion is restricted to: <ul> <li>(a) The extent of the works required;</li> <li>(b) Effects on the values, qualities and characteristics of any tree identified in Schedule 30.2;</li> <li>(c) Whether alternative methodologies avoiding the need to affect the tree(s)/vegetation have been adequately considered.</li> <li>(d) land transport network safety and efficiency <sup>50</sup></li> </ul> </li> </ul>	
RD4	Pipe and cable bridge structures for the conveyance of electricity,	Discretion is restricted to:	

<sup>44 742.91</sup> NZTA

<sup>&</sup>lt;sup>45</sup> 697.1 Waikato District Council

<sup>&</sup>lt;sup>46</sup> 697.1 Waikato District Council

<sup>&</sup>lt;sup>47</sup> 697.537 Waikato District Council

<sup>&</sup>lt;sup>48</sup> 697.1; 697.537 Waikato District Council <sup>49</sup> 559.154 Heritage NZPT

<sup>50 742.93</sup> NZTA

	I	
	<ul> <li>telecommunications, water,</li> <li>wastewater, stormwater and gas:</li> <li>(a) That do not comply with one or more of the conditions of Rule 14.3.1.5; or</li> <li>(b) Are located within Identified areas</li> </ul>	<ul> <li>(a) The functional and operational needs of, and benefits derived from, the infrastructure;</li> <li>(b) Visual, streetscape and amenity effects,</li> <li>(c) Public safety;</li> <li>(a) Effects on the values, qualities and characteristics of any Identified Area.</li> </ul>
RD5	<ul> <li>Electric vehicle charging stations located:</li> <li>(a) That do not comply with one or more of the conditions of Rule 14.3.1.6; or</li> <li>(b) Are located within Identified areas.</li> </ul>	<ul> <li>Discretion is restricted to:</li> <li>(a) The functional and operational needs of, and benefits derived from, the infrastructure;</li> <li>(b) Visual, streetscape and amenity effects;</li> <li>(c) Road-Land transport network safety and efficiency;<sup>51</sup></li> <li>(d) Public safety;</li> <li>(b) Effects on the values, qualities and characteristics of any Identified Area.</li> </ul>
RD6	<ul> <li>The following activities that does not comply with Rule 14.3.1.7:</li> <li>(a) CCTV systems attached to existing buildings and structures</li> <li>(b) Service connections</li> <li>(c) Minor infrastructure structures.</li> </ul>	<ul> <li>Discretion is restricted to:</li> <li>(a) The functional and operational needs of, and benefits derived from, the activity, and</li> <li>(b) Effects on the specific values, qualities and characteristics of the item specifically listed in Schedule 30.1.</li> </ul>
RD7	Access and service connections for subdivision that do not comply with one or more of the conditions of 14.3.1.8	Discretion is restricted to:         a) The adequacy of the service connection:         b) The functional and operational needs of, and benefits derived from, the infrastructure:         c) Site design, layout and amenity:         d) Visual, streetscape and amenity effects; and for vehicle access:         e) Land transport network safety and efficiency;         f) The extent to which the safety and efficiency of rail and road operations will be adversely affected, including;         i. The outcome of any consultation with KiwiRail; NZTA; Waikato District Council, as the rail or road controlling authority;         ii. Any characteristics of the proposed use that will make compliance unnecessary;         g) Traffic generation by the activities to be served by the vehicle access;

<sup>51 742.94</sup> NZTA

<u>h) Mitigation to address safety and/or efficiency of</u> <u>vehicle access, including access clearance</u> <u>requirements for fire-fighting purposes;</u>
i) The foreseeable needs for access by emergency services and their vehicles:
j) Location, design, construction and materials of the vehicle access;
k) Safety for all users of the vehicle access and/or intersecting road including but not limited to vehicle occupants or riders and pedestrians. <sup>52</sup>

## 14.3.4 Discretionary Activities

(a) The activities listed below are discretionary activities.

Đł	Activities and permanent structures or facilities located within road or unformed road not provided as road network activities under Rule 14.12.1 53 [and re-number remaining discretionary activities].
D <mark>2</mark> 1	Temporary infrastructure that does not comply with one or more of the conditions of Rule [14.3.1.2]
<del>D3</del>	Access and service connections for subdivision that do not comply with one or more of the conditions of Rule 14.3.1.8 <sup>54</sup>
D4 <u>2</u>	Subdivision to create a <mark>utility allotment</mark> for accommodating <mark>infrastructure</mark> 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.

Activit	ty	Activity specific conditions
PI	<mark>Buildings</mark> , structures and sensitive land uses within the <mark>National Grid Yard</mark> in existing	<ul> <li>14.4.1.1</li> <li>(1) Within the National Grid Yard in the Residential or Village Zone:</li> </ul>

 $<sup>^{52}</sup>_{\rm cr}$  749.72 HNZC and copied from 14.12.2 RD1 (as amended in response to other submissions)

<sup>&</sup>lt;sup>53</sup> 697.2 Waikato District Council

<sup>54 749.72</sup> HNZC

	Residential or Village Zones as of 18 July 2018	<ul> <li>(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;</li> <li>(b) New, or additions to existing buildings and or structures that are not for a sensitive land use; <sup>55</sup></li> <li>(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.</li> <li>(d) Fences less than 2.5m in height <sup>56</sup></li> </ul>
		<ul> <li>(2) All buildings or structures permitted by Rule 14.4.1.1(1) must: <ul> <li>(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;</li> <li>(b) Locate a minimum of 12m from the outer visible foundation of any National Grid support structure tower and a minimum 12m from any pole and associated stay wire, unless it is one of the following: <ul> <li>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 NZECP34:2001 ISSN 0114-0663</li> <li>57</li> <li>(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.</li> <li>ii. Fences less than 2.5m in height and located a minimum of 5m</li> </ul> </li> </ul></li></ul>
		from the nearest National Grid support structure foundation iii. Network utilities (other than for the reticulation and storage of water for irrigation purposes) or any part of electricity infrastructure undertaken by a network utility operator as defined in the Resource Management Act 1991, that connects to the National Grid. (c) Not permanently physically impede existing vehicular access to a National Grid support structure. <sup>58</sup>
P2	Buildings, structures and sensitive land use within the National Grid Yard in all other zones as of 18 July 2018	<ul> <li>14.4.1.2</li> <li>(1) Within National Grid Yard in the Business, Industrial, Country Living, Heavy Industrial, Rural, Town Centre Business, Hampton Downs Motorsport and Recreation, Tamahere Business, Te Kowhai Zone <sup>59</sup> Airpark, <del>or</del> Reserves Zone <u>or</u></li> </ul>

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 <sup>&</sup>lt;sup>55</sup> 576.53 Transpower
 <sup>56</sup> 576.53 Transpower
 <sup>57</sup> 576.53 Transpower
 <sup>58</sup> 576.53 Transpower
 <sup>59</sup> 697.519 Waikato District Council

	Coal Mining Area, Aggregate Extraction Area or Aggregate
	Resource Area:6061
	(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 <mark>network</mark> utility operator as defined in the Resource Management
	Act 1991; or
	(c) Non-habitable buildings or structures for farming activities
	in rural zones including accessory structures and yards for
	<u>milking/dairy sheds (but not including any intensive farming</u> buildings, commercial greenhouses and milking/dairy sheds); <sup>62</sup> or
	(d) Yards for milking/dairy sheds <u>Non-habitable horticultural</u> <u>buildings</u> ; or <sup>63</sup>
	(e) Artificial crop protection and support structures
	(excluding commercial greenhouses and Pseudomonas
	syringae pv. Actinidiae (Psa) disease control structures); 64
	(f) Fences less than 2.5m in height. 65
	(g) Minor structures associated with farming activity that are
	not situated within 12m of the outer visible foundation of any
	National Grid tower or 10m of the outer visible foundation of
	a National Grid tower, including: fences, gates, stock exclusion
	structures, cattle-stops, stock underpasses, stock bridges and
	culvert crossings, and drinking water supply pipelines, troughs,
	and water storage tanks. <sup>66</sup>
(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 <mark>National Grid</mark> <u>support structure foundation <del>tower</del> and locate a minimum 12m from any pole <sup>67</sup> and</u>
	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 NZECP; 68
	or
	ii. Fences less than 2.5m in height and located a
	minimum of 5m from the nearest National Grid
	support structure foundation; <sup>69</sup> or
	iii. Artificial crop protection. <u>Network utilities</u>
	<u>(other than for the reticulation and storage of</u>

- <sup>61</sup> 576.54 Transpower
   <sup>62</sup> 576.54 Transpower
   <sup>63</sup> 576.54 Transpower
   <sup>64</sup> 576.54 Transpower
   <sup>65</sup> 576.54 Transpower
   <sup>66</sup> 680.282 FFNZ
   <sup>65</sup> 76.54 Transpower

- <sup>67</sup> 576.54 Transpower <sup>68</sup> 576.54 Transpower
- <sup>69</sup> 576.54 Transpower

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		water for irrigation purposes) or any part of
		<u>electricity infrastructure undertaken by a</u>
		network utility operator as defined in the
		Resource Management Act 1991, that connects
		to the National Grid; and <sup>70</sup>
		(c) Not permanently physically impede existing vehicular
		access to a National Grid support structure <sup>71</sup>
		(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. <sup>72</sup>
		(3) Artificial crop protection <u>structures</u> and support structures
		between 8m and 12m from a single pole support structure but
		not a tower and any associated guy wire (but not tower) must
		<u>that</u> : <sup>73</sup>
		(a) Meet the requirements of the New Zealand Electrical
		Code of Practice for Electrical Safe Distances NZECP 74
		34:2001 ISSN 0114-0663 for separation distances from the
		conductor:
		(b) Be <u>Are no higher than</u> maximum 2.5m-high; <sup>75</sup>
		(c) Be <u>Are</u> <sup>76</sup> 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	14.4.1.3
	the National Grid Yard	
		(I) Earthworks <u>within the for 77 National Grid Yard support poles</u>
		and any stay wires <sup>78</sup> that comply with all of <sup>79</sup> the following
		conditions:
		(a) Do not exceed a depth <u>(measured vertically)</u> <sup>80</sup> of 300mm
		within 12m of the outer visible edge of any National Grid
		support structure foundation. 2.2m of the pole or stay
		wire: and <sup>81</sup>
		(b) Do not exceed a depth of 750mm between 2.2m and 5m
		of the pole or stay wire. <sup>82</sup>
		(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;

- <sup>76</sup> 576.54 Transpower <sup>77</sup> 576.55 Transpower
- <sup>78</sup> 576.55 Transpower
- <sup>79</sup> 697.7 Waikato District Council
- <sup>80</sup> 576.55 Transpower
- <sup>81</sup> 576.55 Transpower
- <sup>82</sup> 576.55 Transpower

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<sup>&</sup>lt;sup>70</sup> 576.54 Transpower <sup>71</sup> 576.54 Transpower

<sup>&</sup>lt;sup>72</sup> 576.54 Transpower

 <sup>&</sup>lt;sup>73</sup> 576.54 Transpower
 <sup>74</sup> 576.54 Transpower

<sup>&</sup>lt;sup>75</sup> 576.54 Transpower; 697.5 Waikato District Council

(b) Do not exceed 3m between 6m and 12m of the outer
edge of the visible foundation of the tower; <sup>83</sup>
(b) Are not located within an Identified Area; <sup>84</sup>
(c) Do not compromise the stability of a National Grid
support structure;
<ul> <li>(d) Do not result in the loss of access to any National Grid support structure; and</li> </ul>
(e) Do not result in a reduction in the ground to conductor
clearance distances of less than 6.5m (measured vertically)
from a 110kV National Grid transmission line, or 7.5m
9measured vertically) from a 220kV National Grid
transmission line. 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. 85
(3) (2) The following earthworks activities are exempt from
Rules 14.4.1.3(1) <u>(a)</u> and (2): <sup>86</sup>
(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:
i. 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 0114-0663. <sup>87</sup>
EIECUTICAL SALE DISTANCES 34:2001 ISSIN 0114-0663.

## 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.

Activity		Matters of Discretion
RDI	Below ground transmission lines associated with the <mark>National Grid</mark> not located within identified areas	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure;

<sup>&</sup>lt;sup>83</sup> 576.55 Transpower

<sup>&</sup>lt;sup>84</sup> 559.156 Heritage NZPT

<sup>&</sup>lt;sup>85</sup> 576.55 Transpower

<sup>&</sup>lt;sup>86</sup> 576.55 Transpower

<sup>&</sup>lt;sup>87</sup> 576.55 Transpower

RD2	Transformers, substations and switching	(b) Visual, streetscape and amenity effects;
ND2	stations associated with the National Grid not	(c) The risk of electrical hazards affecting
		public or individual safety, and risk of
	located within Identified Areas	property damage.
		property damage.
RD3	Earthworks within the National Grid Yard that	Discretion is restricted to:
	do <u>es</u> not comply with <del>one or more of the</del>	(a) Impacts on the operation, maintenance,
	conditions (a) of Rule 14.4.1.3(1) or and Rule	upgrading and development of the
	<b>14.4.1.3(2)</b> but complies with conditions (b) (c)	National Grid;
	(d) and (e) of Rule 14.4.1.3(2) <sup>88</sup>	(b) The risk to the structural integrity of the
	$\left(\frac{d}{d}\right)$ and $\left(\frac{e}{d}\right)$ of Rule 14.4.1.3(2)	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.
		(e) <u>Technical advice provided by the National</u>
		Grid owner (Transpower);
		(f) Any effects on National Grid support
		structures including the creation of an unstable
		batter. <sup>89</sup>
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 Subdivision <sup>90</sup> Corridor that	operation, maintenance, upgrading and
	complies with all of the following conditions:	development of, <u>including access to,</u> <sup>92</sup> the
		National Grid;
	(a) All <u>resulting allotments</u> intended to	(b) The ability to provide a complying building
	<del>contain a sensitive land use</del> must	platform outside of the National Grid
	provide <u>be able to demonstrate that</u>	Yard;
	they are capable of accommodating a	(c) The risk of electrical hazards affecting public or individual safety, and the risk of
	building platform for the likely	property damage;
	principal <mark>building(s)</mark> and any <mark>building(s)</mark> for a <mark>sensitive land use</mark> <del>to be located</del>	(d) The nature and location of any vegetation
	outside of the National Grid Yard,	to be planted in the vicinity of National
	other than where the allotments are	Grid transmission lines, and the how such
	for roads, access ways or	landscaping will impact on the operation,
	infrastructure; or and 91	maintenance, upgrade and development
	(b) The layout of allotments and any	(including access) of the National Grid; <sup>93</sup>
	enabling earthworks must ensure that	
	physical access is maintained to any	(e) The risk to the structural integrity of the
	National Grid support structures	National Grid; <sup>94</sup>
	located on the allotments, including	
		(f) The extent to which the subdivision design
	located on the allotments, including	

- <sup>88</sup> 576.58 Transpower
   <sup>89</sup> 576.58 Transpower
   <sup>90</sup> 576.39; 576.40 Transpower
   <sup>91</sup> 576.59 Transpower
   <sup>92</sup> 576.59 Transpower
   <sup>93</sup> 576.59 Transpower
   <sup>94</sup> 576.59 Transpower

	and nuisance effects of the National Grid asset. 95
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## 14.4.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	New <u>above and</u> <sup>96</sup> below ground transmission lines associated with the <u>National Grid</u> within Identified Areas
D2	New above-ground transmission lines associated with the National Grid not located within identified areas
<u>D3</u>	Buildings and structures for non-sensitive land uses and Earthworks within the National Grid Yard which are also within an Identified Area <sup>97</sup>

#### 14.4.4 Non-Complying Activities

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

<u>NCI</u>	Earthworks within the National Grid Yard that is not a permitted activity under Rule 14.4.1 P1 or a restricted discretionary activity under Rule 14.4.2 RD3 <sup>98</sup>		
NCI	Above-ground transmission lines associated with the National Grid located within identified areas <sup>99</sup>		
NC2	Transformers, <u>S</u> substations <sup>100</sup> and switching stations associated with the National Grid located within Identified Areas identified areas <sup>101</sup>		
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		

<sup>&</sup>lt;sup>95</sup> 576.59 Transpower

<sup>&</sup>lt;sup>96</sup> 576.60 Transpower; 576.62 Transpower

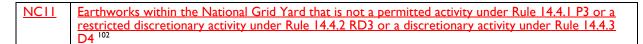
<sup>&</sup>lt;sup>97</sup> 559.156 Heritage NZPT; 81.246 Waikato Regional Council

<sup>&</sup>lt;sup>98</sup> 576.58 Transpower

<sup>&</sup>lt;sup>99</sup> 576.60 Transpower; 576.62 Transpower

<sup>&</sup>lt;sup>100</sup> 576.61 Transpower

<sup>&</sup>lt;sup>101</sup> 697.12 Waikato District Council



## 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 <sup>103</sup>

Activ	vity	Activity specific conditions	
PI	Below ground distribution lines	Nil	
P2	Overhead distribution lines and support structures within the Rural Zone	<ul> <li>14.5.1.1</li> <li>(a) Overhead distribution lines and support structures that comply with the following: <ul> <li>(i) Do not exceed a voltage up to and including 110kV; and</li> <li>(ii) Do not exceed a maximum height of 25m; or</li> <li>(iii) Do not exceed a maximum height of 30m for colocation of at least two operators; and</li> <li>(iv) Are not located within an Identified Area.</li> </ul> </li> </ul>	
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	<ul> <li>14.5.1.2 <ul> <li>(a) Substations and associated transformers and switching stations distributing electricity that comply with the following:</li> <li>(i) Distribute electricity at a voltage up to and including 110kV; and</li> <li>(ii) Are located within the Business Zone, Business Town Centre Zone, Tamahere Business zone, Te Kowhai Airpark Zone, Industrial Zone, Industrial Zone <u>Heavy</u> <sup>104</sup> and Motor Sport and Recreation Zone; and the Rural Zone<sup>105</sup></li> <li>(iii) Any ancillary buildings do not exceed 100m<sup>2</sup> in gross floor area; and</li> <li>(iv) Are not located within an Identified Area.</li> <li>(v) Maximum height 10m<sup>106</sup></li> </ul> </li> </ul>	
<del>P5</del>	Construction or alteration of a building for a sensitive land use	<ul> <li>14.5.1.3</li> <li>(a) The construction or alteration of a building for a sensitive land use that complies with all of the following conditions:</li> <li>(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</li> </ul>	

<sup>&</sup>lt;sup>102</sup> 576.66 Transpower

<sup>&</sup>lt;sup>103</sup> 697.21 Waikato District Council

<sup>&</sup>lt;sup>104</sup> 697.518 Waikato District Council

<sup>&</sup>lt;sup>105</sup> 405.53 Counties Power Limited; 836.19 Powerco

<sup>&</sup>lt;sup>106</sup> 697.22 Waikato District Council

(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. <sup>107</sup>

## 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.

Activi	ty	Matters of Discretion	
RDI	<ul> <li>(a) Overhead distribution lines and support structures not exceeding a voltage up to and including 110kV:</li> <li>(i) Not located within the Rural Zone;</li> <li>(ii) Not located within an Identified Area.</li> </ul>	<ul> <li>(a) Discretion is restricted to:</li> <li>(i) The functional need and operational need of, and benefits derived from, the infrastructure;</li> <li>(ii) The extent to which alternative technologies and techniques have been considered;</li> <li>(iii) The extent to which co-location of overhead lines is technically, economically and practically reasonable;</li> <li>(iv) The extent to which the proposal is in accordance with relevant industry standards and meets specified clearance requirements for operational and safety reasons;</li> <li>(v) The extent to which the proposal will adversely affect the amenity values of the site and locality;</li> <li>(vi) The extent to which there are difficult ground conditions, topography or obstructions which make undergrounding impractical.</li> </ul>	
RD2	Construction or alteration of a building for a <mark>sensitive land use</mark> that does not comply with Rule 14.5.1.3	<ul> <li>(a) Discretion is restricted to:</li> <li>(i) Effects on the amenity values of the site;</li> <li>(ii) The risk of electrical hazards affecting the safety of people;</li> <li>(iii) The risk of damage to property;</li> <li>(iv) Effects on the operation, maintenance and upgrading of the electrical distribution or transmission lines.<sup>108</sup></li> </ul>	

## 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

<sup>&</sup>lt;sup>107</sup> 697.310; 697.23 and 697.24 Waikato District Council; 405.54 Counties Power <sup>108</sup> 697.310; 697.23 and 697.24 Waikato District Council

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, <sup>109</sup> location and noise condition listed below.

Activity		Activity specific conditions	
PI	Small-scale electricity generation	<ul> <li>I4.6.1.1</li> <li>(a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following conditions,</li> </ul>	
P2	Community-scale electricity generation	<ul> <li>where applicable:</li> <li>(a) Is not located within an Identified Area;</li> <li>(b) Is not located on a road, or unformed road;</li> <li>(c) Less than 20kW of electricity is generated;</li> <li>(d) Maximum one wind turbine per site in the Residential, Rangitahi Peninsula and Village Zones;</li> <li>(e) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m;</li> <li>(f) Freestanding wind turbines have a maximum blade diameter of 2.5m;</li> <li>(g) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m;</li> <li>(f) Freestanding wind turbines have a maximum blade diameter of 2.5m;</li> <li>(g) Roof-mounted wind turbines have a maximum blade diameter of 2.5m;</li> <li>(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;</li> <li>(i) Solar panels on the roof of a building must not exceed 1.5m in height above the existing roof; or attached to a ground mounted frame <sup>110</sup></li> <li>(k) Wind turbine noise must: <ul> <li>(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: <ul> <li>(i) Any existing building or structure for sensitive land uses; and</li> <li>(2) Any potential building site where a building or structure for sensitive land uses could be located as a permitted activity;</li> </ul> </li> </ul></li></ul>	

<sup>109</sup> 697.25 Waikato District Council<sup>110</sup> 836.21 Powerco

P3	Research and exploratory- scale investigations for renewable electricity generation activities	<ul> <li>(ii) Be measured and assessed in accordance with NZS6808: 2010 Acoustics - Wind Farm Noise</li> <li>(i) All other structures not listed above must not be higher than the maximum building height limit of the zone in which they are located.</li> <li>14.6.1.2</li> <li>(a) Research and exploratory-scale investigations for renewable electricity generation activities that comply with all of the following: <ul> <li>(i) The noise limits that are applicable to the zone;</li> <li>(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, or within the Rural Zone must not exceed 20m total height; <sup>112</sup></li> <li>(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</li> <li>(iv) Setbacks relevant to the zone in which it is located;</li> <li>(v) Is not located within an identified area;</li> <li>(vi) Is not located on a road, or unformed road.</li> </ul> </li> </ul>
P4	Temporary diesel-fuelled electricity generation activities	Nil
P5	Electricity generation within the Huntly Power Station site in the Industrial Zone Heavy <sup>113</sup> .	<u>14.6.1.3</u> <u>Electricity generation within the Huntly Power Station site in the</u> <u>Industrial Zone Heavy</u> <sup>114</sup> that complies with the Industrial Zone Heavy <sup>115</sup> rules. <sup>116</sup>

### 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.

Activity		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
RD2	Community-scale electricity generation that do not comply with one or more of the conditions of Rule 14.6.1.1	<ul> <li>(c) Findal, including noise;</li> <li>(c) Shadow flicker effects;</li> <li>(d) The risk of hazards affecting public or individual safety, and risk of property damage;</li> </ul>
RD3	Research and exploratory-scale investigations for renewable electricity	<ul> <li>(e) Effects on the values, qualities and characteristics of any Identified Area.</li> </ul>

- <sup>114</sup> 697.518 Waikato District Council
   <sup>115</sup> 697.518 Waikato District Council

 <sup>&</sup>lt;sup>111</sup> 697.26 Waikato District Council
 <sup>112</sup> 692.20 WEL Networks Limited

<sup>113 697.518</sup> Waikato District Council

<sup>116 924.27</sup> Genesis Energy Limited

	generation activities that do not comply with one or more of the conditions of <mark>Rule</mark> 14.6.1.2	
RD4	Electricity generation within the Huntly Power Station site in the Industrial Zone Heavy <sup>117</sup> that do not comply with one or more conditions of the Rule 14.6.1.[X].	Discretion is restricted to the extent of effects associated with the Industrial Zone Heavy <sup>118</sup> rules that the activity does not comply with. <sup>119</sup>

#### 14.6.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Large-scale wind farms	located within the Rural Zone, <u>not within an Identified Area.</u> <sup>120</sup>	
1	-		

### 14.6.4 Non-Complying Activities

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

NCI	Large-scale wind farms not located <del>within <u>in a zone other than</u> the Rural Zone<del>, including within an</del> Identified Area</del>
<u>NC2</u>	Large-scale wind farm located within the Rural Zone and within an Identified Area <sup>121</sup>

## 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, <sup>122</sup> location and noise condition listed below.

Activity		Activity specific conditions
PI	Below ground pipelines for the conveyance of liquid fuels and gas	<ul> <li>14.7.1.1</li> <li>(a) Below ground pipelines for the conveyance of liquid fuels and gas that comply with all of the following: <ul> <li>(i) Any aboveground sections of pipeline must comply with the following:</li> <li>A. Not exceed 25m in length, and</li> <li>B. Not exceed 300mm in diameter.</li> </ul> </li> </ul>

<sup>117 697.518</sup> Waikato District Council

<sup>&</sup>lt;sup>118</sup> 697.518 Waikato District Council

<sup>&</sup>lt;sup>119</sup> 924.27 Genesis Energy Limited

<sup>&</sup>lt;sup>120</sup> 697.27 Waikato District Council

<sup>&</sup>lt;sup>121</sup> 697.28 Waikato District Council

<sup>&</sup>lt;sup>122</sup> 697.29 Waikato District Council

P2	Below ground pipelines located within an Identified Area	<ul> <li>(ii) Gas pipelines must not exceed a gauge pressure of 2,000 kilopascals.</li> <li>(iii) Is not located within an Identified Area.</li> <li>14.7.1.2</li> <li>(a) Below ground pipelines for the conveyance of liquid fuels and gas, <sup>123</sup> located within an Identified Area that comply with the following: <ul> <li>(i) There are no aboveground sections of pipeline within the Identified Area; and</li> <li>(ii) Gas pipelines must not exceed a gauge pressure of 2,000</li> </ul> </li> </ul>
P3	Storage facilities and pump stations for liquid fuels and gas which are operated by a network utility	<ul> <li>kilopascals.</li> <li>14.7.1.3</li> <li>(a) Storage facilities and pump stations for liquid fuels and gas which are operated by a network utility<sup>124</sup> that comply with all of the following: <ul> <li>(i) Is not located within an Identified Area, and</li> <li>(ii) Is not located on a road, or unformed road.</li> </ul> </li> </ul>

### 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.
- 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. <sup>125</sup> (b)

Activ	ity	Activity specific conditions	
PI	Meteorological enclosures and buildings, including automatic weather stations	<ul> <li>14.8.1.1</li> <li>(a) Meteorological enclosures and buildings, including automatic weather stations, that comply with all of the following: <ul> <li>(i) The size of the structure must not exceed 30m<sup>2</sup> in gross floor area;</li> <li>(ii) The structure complies with any relevant building height condition for the applicable zone;</li> </ul> </li> </ul>	

<sup>&</sup>lt;sup>123</sup> 697.31 Waikato District Council <sup>124</sup> 559.167 Heritage NZPT; 680.298 FFNZ

<sup>125 697.32</sup> Waikato District Council

		<ul><li>(iii) Is not located within an Identified Area;</li><li>(iv) Is not located on a road, or unformed road.</li></ul>
P2	Meteorological and air quality monitoring structures and devices	<ul> <li>14.8.1.2</li> <li>(a) Meteorological and air quality monitoring structures and devices that comply with all of the following: <ul> <li>(i) Do not exceed 12m in height;</li> <li>(ii) There shall be no more than one structure instrument, or device <sup>126</sup> per site;</li> <li>(iii) Is not located within an Identified Area;</li> <li>(iv) Is not located on a road, or unformed road.</li> <li>(v) Maximum area is 10m<sup>2</sup>. <sup>127</sup></li> </ul> </li> </ul>

## 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.

Activi	ty	Matters of Discretion	
RDI RD2	Meteorological enclosures and buildings, including automatic weather stations located within road or unformed road Meteorological and air quality monitoring structures and devices located within road or unformed road	<ul> <li>(a) Discretion is restricted to:</li> <li>(i) The functional and operational needs of, and benefits derived from, the infrastructure;</li> <li>(ii) Visual, streetscape and amenity effects;</li> <li>(iii) Road network safety and efficiency; and</li> <li>(iv) Effects on the specific values, qualities and characteristics of any Identified Area. 128</li> </ul>	

## 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
<u>D3</u>	Meteorological enclosures and buildings, including automatic weather stations that do not comply with one or more conditions in Rule 14.8.3 (P1) <sup>129</sup>
<u>D4</u>	Meteorological and air quality monitoring structures and devices that do not comply with one or more conditions in Rule 14.8.3 (P2). <sup>130</sup>

- <sup>127</sup> 697.33 Waikato District Council
- <sup>128</sup> 697.35 Waikato District Council
- <sup>129</sup> 697.36 Waikato District Council
  <sup>130</sup> 697.36 Waikato District Council

<sup>697.34</sup> Waikato District Council

## 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, <sup>131</sup> location and noise condition listed below.

Activity		Activity specific conditions
PI	Antennas associated with amateur radio configurations	<ul> <li>14.9.1.1</li> <li>(a) Antennas associated with amateur radio configurations that comply with all of the following: <ul> <li>(i) Where attached to a building or other structure (including a mast):</li> <li>A. The maximum diameter is 2m for an antenna dish;</li> <li>B. The maximum area is 2m<sup>2</sup> in area for a panel antenna;</li> <li>C. The maximum dimension in any direction is 2m for a panel antenna;</li> <li>D. The antenna must not overhang a site boundary;</li> <li>(ii) One pedestal-mounted antenna per site that meets the following:</li> <li>A. The maximum diameter is 5m;</li> <li>C. Complies with the setback and height in relation to boundary requirements of the relevant zone;</li> <li>(iii) Are not located within an Identified Area;</li> </ul> </li> </ul>
P2	Aerials associated with amateur radio configurations	<ul> <li>(iv) Is not located on a road, or unformed road.</li> <li>14.9.1.2</li> <li>(a) Aerials associated with amateur radio configurations that comply with all of the following: <ul> <li>(i) Any of the elements making up the aerial do not exceed 80mm in diameter;</li> <li>(ii) For horizontal HF yagi aerials, the maximum element length does not exceed 14.9m, and the boom length does not exceed 13m;</li> <li>(iii) No part of the aerial (including aerial wires) overhangs a site boundary;</li> <li>(iv) The setback standards applying to buildings in the applicable zone, except that aerial wires are not required to comply with the setback standards;</li> <li>(v) No part of the aerial exceeds the maximum stated height applying to buildings in the applicable zone by more than 2m (except for vertical aerials as provided for in Rule 14.9.1.2(1)(f) below) Rule 14.9.1.2(a)(vi): <sup>132</sup></li> <li>(vi) For vertical aerials, one vertical aerial to a maximum height of 20m, provided there is only one vertical aerial or one supporting structure (and attached aerial(s) or antenna(s) under Rule 14.9.1.3(1)(c) below Rule 14.9.1.3(a)(iii) <sup>133</sup> per site that exceeds the</li> </ul> </li> </ul>

<sup>&</sup>lt;sup>131</sup> 697.32 Waikato District Council <sup>132</sup> 594.5 NZART

<sup>133 594.7</sup> NZART

	1	
		maximum stated height applying to buildings in the applicable zone
		by more than 2m;
		(vii) Are not located within an Identified Area; (viii)Is not located on a road, or unformed road.
P3		14.9.1.3
r 5	Support structures	
	associated with	(a) Support structures associated with amateur radio configurations that
	amateur radio	comply with all of the following:
	configurations	(i) For wire aerials of less than 115mm in outside diameter, no more
		than six support poles per <mark>site</mark> 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;
		<ul> <li>(iii) One pole support structure (excluding support poles for wire aerials) or lattice support structure per site, provided that:</li> </ul>
		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 <mark>buildings</mark> in the zone in which
		they are located. For the purpose of this rule the height in
		relation to <b>boundary</b> standards shall not apply to the pole or lattice support structure;
		D. Where guy wires are used these must not exceed 12mm 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 <mark>height</mark> of the support structure and any
		attached aerials or antennas is 20m;
		B. The <u>is single tall</u> supporting structure may be one of the
		following:
		Ba A pole, a tubular guyed mast, a lattice mast, and may be guyed
		or self-supporting. 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 20mshall be 115mm, or BbA 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
		<u>Bc</u> 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
		BdA 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
		<del>230mm at 9m and 115mm at 20m;</del> and

<u>Bb</u> There may be local enlargement of the support structure to accommodate a rotator mechanism; and <u>Bc</u> 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 <u>Bd</u> Where guy wires are used, these must not exceed 12 mm in diameter; and <u>Be</u> At no point must any guy wire overhang the boundary;
Bf A second pole or support structure up to 14m height is permitted for operation of 3.6MHz radio: <sup>134</sup> (v) Are not located within an Identified Area; and (vi) Is not located on a road, or unformed road.

### 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.

Activity		Matters of Discretion	
RDI	Amateur radio configurations that <u>are not</u> <u>located on a road, unformed road or</u> <u>ldentified Area, and</u> <sup>135</sup> do not comply with one or more of the conditions of Rules <u>14.9.1.1</u> , <u>14.9.1.2</u> and <u>14.9.1.3</u>	<ul> <li>Discretion is restricted to:</li> <li>(a) The bulk, form, scale, location and number of antennas, aerials and supporting structures;</li> <li>(b) Location on site; and</li> <li>(c) Visual, streetscape and amenity effects.</li> </ul>	

### 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 v 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

<sup>&</sup>lt;sup>134</sup> 594.8 NZART

<sup>&</sup>lt;sup>135</sup> 697.38 Waikato District Council

#### 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, <sup>136</sup> location and noise condition listed below.

Activity		Activity specific conditions		
ΡΙ	Ancillary equipment <sup>+1</sup>	<ul> <li>14.10.1.1</li> <li>(a) Ancillary equipment that complies with the following: <ul> <li>(i) It is not connected to an area, façade or item specifically listed in Schedule 30.1.</li> <li>(ii) Not exceed 10m<sup>2</sup> in area above-ground;</li> <li>(iii) Not exceed 2.5m in height. <sup>137</sup></li> </ul> </li> </ul>		
P2	Below ground telecommunications and radiocommunications facilities, lines, cables and ducts	(a) Not located within an Identified Area <sup>138</sup>		
P3	Cabinets <sup>+1</sup>	<ul> <li>14.10.1.2</li> <li>(a) Cabinets that comply with the following condition: <ul> <li>(i) Are not located within an Identified Area.</li> <li>(ii) Not exceed 10m<sup>2</sup> in area above-ground;</li> <li>(iii) Not exceed 2.5m in height.</li> </ul> </li> </ul>		
P4	Antennas and lines attached to retaining walls, tunnels, bridges and other structures located within the road+ <sup>1</sup>	<ul> <li>14.10.1.3</li> <li>(a) Antennas that comply with all of the following conditions: <ul> <li>(i) Do not connect to an area, façade or item specifically listed in Schedule 30.1;</li> <li>(ii) Panel antenna do not exceed 0.7m in width;</li> <li>(iii) Dish antenna do not exceed 0.6m in width diameter.<sup>140</sup> within the Residential Zone;</li> <li>(iv) Within the Residential Zone the maximum number of antennas per site is 4.</li> </ul> </li> <li>(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, except where the area, façade or item is specifically listed in Schedule 30.1.<sup>141</sup></li> </ul>		
P5	Antennas <sup>+1</sup> attached to a building and/or structure	<ul> <li>14.10.1.4</li> <li>(a) Antennas attached to a building and/or structure that comply with all of the following conditions: <ul> <li>(i) Do not connect to an area, façade or item specifically listed in Schedule 30.1;</li> <li>(ii) The building and/or structure is located within:</li> <li>A. Business Zone</li> </ul> </li> </ul>		

<sup>136 697.39</sup> Waikato District Council

<sup>&</sup>lt;sup>137</sup> 697.40 Waikato District Council

<sup>&</sup>lt;sup>138</sup> 559.179 Heritage NZPT

<sup>&</sup>lt;sup>139</sup> 697.41 Waikato District Council

<sup>&</sup>lt;sup>140</sup> 644.36 Spark; 646.36 Vodafone; 648.36 Chorus

<sup>&</sup>lt;sup>141</sup> 559.181 Heritage NZPT

		<ul> <li>B. Business Town Centre Zone</li> <li>C. Tamahere Business Zone</li> <li>D. Te Kowhai Airpark Zone <sup>142</sup></li> <li>E. Industrial Zone</li> <li>F. Industrial Zone <u>Heavy</u> <sup>143</sup></li> <li>G. Motor Sport and Recreation Zone</li> <li>H. Rural Zone</li> <li>I. Country Living Zone</li> <li>J. Reserve Zone</li> <li>(iii) The face of the antenna does not exceed 1.5m<sup>2</sup> or</li> <li>1.2m in diameter for dish antennas, or 1.6m in length for Yagi antenna on an existing pole. <sup>144</sup></li> <li>(b) Rule 14.10.1.4 does not apply to private television antennas and satellite dishes + <u>1</u>2 <sup>145</sup></li> </ul>
P6	Antennas inside new or existing buildings	Nil
P7	Other Antennas not attached to a building and/or structure	<ul> <li>14.10.1.5</li> <li>(a) Antennas that comply with all of the following conditions are excluded from any height standards in 14.10.1 P4, P5 and P9: <ul> <li>(i) GPS Antennas that do not exceed the following dimensions:</li> <li>A. 300mm high: and</li> <li>B. 130mm in diameter.</li> </ul> </li> <li>(ii) Omni-directional 'whip' or di-pole type antennas that do not exceed the following dimensions: <ul> <li>A. 1.6m high;</li> <li>B. 1.5m horizontal length whip or rod; or</li> <li>C. Cross section element no more than 60mm in diameter.</li> </ul> </li> <li>(iii) Are not located within an Identified Area <ul> <li>(iv) Do not connect to an area, façade or item specifically listed in Schedule 30.1.</li> </ul> </li> </ul>
P8	Small cell units exceeding the permitted volumetric dimension of 0.11m <sup>3</sup> regulated in the NESTF	<ul> <li>14.10.1.6</li> <li>(a) Small cell units exceeding the permitted volumetric dimension of 0.11<sup>m<sup>2</sup></sup>m<sup>3</sup> <sup>146</sup> regulated in the NESTF that comply with all of the following conditions: <ul> <li>(i) Do not exceed a maximum volumetric-volume dimension of 0.25m<sup>3</sup>; <sup>147</sup></li> <li>(ii) Are not located within an Identified Area; and</li> <li>(iii) Do not connect to an area, façade or item specifically listed in Schedule 30.1.</li> </ul> </li> </ul>
P9	Poles, antennas and headframes+ <sup>1</sup>	<ul> <li>14.10.1.7</li> <li>(a) Any poles and attached antenna that comply with the following conditions: <ul> <li>(i) Are not located within an Identified Area;</li> <li>(ii) Do not connect to an area, façade or item specifically listed in Schedule 30.1;</li> </ul> </li> </ul>

<sup>&</sup>lt;sup>142</sup> 697.519 Waikato District Council

<sup>144</sup> 405.59 Counties Power
 <sup>145</sup> 697.42 Waikato District Council
 <sup>146</sup> 644.42 Spark; 646.39 Vodafone; 648.XXChorus
 <sup>147</sup> 697.43 Waikato District Council

<sup>&</sup>lt;sup>143</sup> 697.518 Waikato District Council

		<ul> <li>(iii) Comply with the height in relation to boundary limits for the zone in which it is located;</li> </ul>		
		(iv) Not exceed the height limits set out in the following table:		
			Zone	Permitted height
			Rural, Country Living	25m (and 30m for co- location of at least two operators)
			Industrial, Heavy Industrial and Motor	25m (and 30m for co- location of at least two
			Sport and Recreation	operators)
			Business, Business Town Centre, Business Zone Tamahere, Te Kowhai Airpark	20m
			Reserve	20m
			Residential, Rangitahi Peninsula, Village	15m
			Road or unformed road	That of the adjoining zone
		(b)	for the zone in which i (ii) Within the Residential diameter; or	<mark>t</mark> in relation to boundary limits t is located; Zone do not exceed 1.0m and unformed roads do not and
		(c)		es not apply to lightning rods rectional whip antenna, ancillary and earth peaks.
PI0	Externally-mounted	14.	10.1.8	·
	telecommunication satellite dishes and ancillary components	(a)	ancillary components that c conditions:	
				i diameter, <u>or 1.8m in diameter</u> Istrial Zone Heavy <sup>149</sup> . Country Zone.

 <sup>&</sup>lt;sup>148</sup> 644.39 Spark; 646.40 Vodafone; 648.39 Chorus
 <sup>149</sup> 697.518 Waikato District Council

PH	Telecommunication kiosk	<ul> <li>(ii) Are attached to existing buildings; and/or including a pole or structure other than a building when located in the Country Living and Rural Zones.<sup>150</sup></li> <li>(iii) Do not connect to an area, façade or item specifically listed in Schedule 30.1; and</li> <li>(iv) Are not located within an Identified Area.</li> <li>14.10.1.9</li> <li>(a) Telecommunication kiosks that comply with all of the following conditions: <ul> <li>(i) Are not located within road or unformed road located adjacent to an Identified Area;</li> <li>(ii) Do not connect to an area, façade or item specifically listed in Schedule 30.1; and</li> <li>(iii) Do not connect to an area, façade or item specifically listed in Schedule 30.1; and</li> <li>(iii) Are not located within an Identified Area;</li> <li>(iii) Do not connect to an area, façade or item specifically listed in Schedule 30.1; and</li> <li>(iii) Are not located within an Identified Area.</li> <li>(iv) Not exceed 10m<sup>2</sup> in area above-ground;</li> <li>(v) Not exceed 2.5m in height.<sup>151</sup></li> </ul> </li> </ul>
PI2	Telephone exchanges, including the installation and operation of equipment inside existing telephone exchanges	<ul> <li>14.10.1.10</li> <li>(a) Telephone exchanges, including the installation and operation of equipment inside existing telephone exchanges, that comply with the following conditions:</li> <li>(i) Do not exceed 20m<sup>2</sup> in area in roads or sites zoned Residential and Country Living; or</li> <li>(ii) Do not exceed 30m<sup>2</sup> in area in all other zones;</li> <li>(iii) Comply with the height and height in relation to boundary limits for the zone in which it is located;</li> <li>(iv) Are not located within road or unformed road located adjacent to an Identified Area; and</li> <li>(v) Are not located within an Identified Area.</li> </ul>
PI3	Self-contained power units	<ul> <li>14.10.1.11</li> <li>(a) Self-contained power units that comply with all of the following conditions: <ul> <li>(i) Do not connect to an area, façade or item specifically listed in Schedule 30.1;</li> <li>(ii) Are not located within an Identified Area.</li> <li>(iii) Not exceed 10m<sup>2</sup> in area above-ground;</li> <li>(iv) Not exceed 2.5m in height. <sup>152</sup></li> </ul> </li> </ul>
PI4	Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the <b>NESTF</b>	<ul> <li>14.10.1.12</li> <li>(a) Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the NESTE, that comply with all of the following conditions: <ul> <li>(i) Do not exceed 20m in height; and</li> <li>(ii) Are located within the Rural Zone; or</li> <li>(iii) Are located within road or unformed road located adjacent to the Rural Zone.</li> </ul> </li> </ul>
P15	Lightning rods	14.10.1.13

<sup>&</sup>lt;sup>150</sup> 644.40 Spark; 646.41 Vodafone; 648.40 Chorus

 <sup>&</sup>lt;sup>151</sup> 697.44 Waikato District Council
 <sup>152</sup> 697.45 Waikato District Council

.,	Lightning rods that comply with all of the following conditions:
	(i) Do not exceed 1.8m 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	ity	Matters of Control	
C1 C2	Ancillary equipment that do not comply with the conditions of Rule 14.10.1.1 Cabinets that do not comply with one or more of the conditions of Rule 14.10.1.2	<ul> <li>(a) Control is reserved over:</li> <li>(i) The size, colour and design of the proposed facility, equipment or structure:</li> </ul>	
C3	<ul> <li>(a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within:</li> <li>(i) Business Zone</li> <li>(ii) Business Town Centre Zone</li> <li>(iii) Business Zone Tamahere</li> <li>(iv) Te Kowhai Airpark Zone <sup>154</sup></li> <li>(v) Industrial Zone</li> <li>(vi) Industrial Zone Heavy <sup>155</sup></li> <li>(vii) Motorsport and Recreation Zone</li> <li>(viii) Rural Zone</li> <li>(ix) Country Living Zone</li> <li>(x) Reserve Zone</li> </ul>	<ul> <li>(ii) The location of the proposed facility, equipment or structure;</li> <li>(iii) The ability to provide screening or landscaping; and</li> <li>(iv) Effects on the values, qualities and characteristics of the site and/or items in Schedule 30.1. 153</li> </ul>	
C4	Antennas attached to an existing pole in the road reserve that do not comply with Regulations 26 and 27 of the <b>NESTF</b> and antennas attached to an existing pole in unformed road	<u>Schedule 50.1.</u>	
C5	<ul> <li>(a) Antennas attached to a building that do not comply with the conditions of Rule 14.10.1.4 and are located within:</li> <li>(i) Business Zone</li> <li>(ii) Business Town Centre Zone</li> <li>(iii) Business Zone Tamahere</li> <li>(iv) Te Kowhai Airpark Zone <sup>156</sup></li> <li>(v) Industrial Zone</li> <li>(vi) Industrial Zone Heavy <sup>157</sup></li> <li>(vii) Motorsport and Recreation Zone</li> <li>(viii)Rural Zone</li> <li>(ix) Country Living Zone</li> <li>(x) Reserve Zone</li> </ul>		
C5	<ul> <li>(a) Dish antennas not complying with regulations 26-35 of the NESTE that are located within:</li> <li>(i) Business Zone</li> <li>(ii) Business Town Centre Zone</li> <li>(iii) Business Zone Tamahere</li> </ul>		

- <sup>153</sup> 559.191 Heritage NZPT
   <sup>154</sup> 697.519 Waikato District Council
   <sup>155</sup> 697.518 Waikato District Council
   <sup>156</sup> 697.519 Waikato District Council
   <sup>157</sup> 697.518 Waikato District Council

<ul> <li>(iv) Te Kowhai Airpark Zone <sup>158</sup></li> <li>(v) Industrial Zone</li> <li>(vi) Industrial Zone Heavy <sup>159</sup></li> <li>(vii) Motor Sport and Recreation Zone</li> <li>(viii) Rural Zone</li> <li>(ix) Country Living Zone</li> </ul>
<ul> <li>(vi) Industrial Zone Heavy <sup>159</sup></li> <li>(vii) Motor Sport and Recreation Zone</li> <li>(viii) Rural Zone</li> <li>(ix) Country Living Zone</li> </ul>
(vii) Motor Sport and Recreation Zone (viii)Rural Zone (ix) Country Living Zone
(viii)Rural Zone (ix) Country Living 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 in an Identified Area exceeding the
maximum <del>volumetric dimension</del> <u>volume</u> <sup>160</sup> of 0.11m <sup>23</sup> regulated in
the NESTF, up to a maximum volume of 0.25m <sup>23</sup> . <sup>161</sup>

 <sup>&</sup>lt;sup>158</sup> 697.519 Waikato District Council
 <sup>159</sup> 697.518 Waikato District Council
 <sup>160</sup> 697.43 Waikato District Council
 <sup>161</sup> 644.41 Spark; 648.41 Chorus; 646.42 Vodafone

C8 C9	<ul> <li>Poles, antennas and headframes located within an Identified Area that comply with Rule</li> <li>14.10.1.7 <sup>162</sup></li> <li>(a) Externally-mounted telecommunication satellite dishes and ancillary components that: <ul> <li>(i) Do not exceed I.0m in diameter;</li> <li>(ii) Are attached to existing buildings; and</li> <li>(iii) Are <u>not</u> located within an Identified Area. <sup>163</sup></li> </ul> </li> </ul>	<ul> <li>Control is reserved over: <ul> <li>(a) The size, colour and design of the proposed facility, equipment or structure;</li> <li>(b) The location of the proposed facility, equipment or structure;</li> <li>(c) The ability to provide screening or landscaping; and</li> <li>(d) Effects on the values, qualities and characteristics of the site.</li> </ul> </li> </ul>
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

- (1) 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	<ul> <li>(a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within:</li> <li>(i) Residential Zone</li> <li>(ii) Rangitahi Peninsula Zone</li> <li>(iii) Village Zone</li> <li>(iv) Road and unformed road</li> </ul>	Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the	
RD2	<ul> <li>(ii) Antennas attached to a building and/or structure that comply with all of the following conditions:</li> <li>(i) Are located within:         <ul> <li>A. Residential Zone</li> <li>B. Rangitahi Peninsula Zone</li> <li>C. Village Zone</li> <li>D. Road and unformed road</li> <li>(ii) The face of the antenna does not exceed 1.5m<sup>2</sup> or 1.2m in diameter for dish antennas.</li> </ul> </li> </ul>	<ul> <li>infrastructure;</li> <li>(b) The bulk, form, scale, location of the structure;</li> <li>(c) Visual, landscape, streetscape and amenity effects;</li> <li>(d) Where located within a road, the operation and</li> </ul>	
RD3 RD4	<ul> <li>(a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within:</li> <li>(i) Residential Zone</li> <li>(ii) Rangitahi Peninsula Zone</li> <li>(iii) Village Zone</li> <li>(iv) Road and unformed road</li> </ul> Poles, antennas and headframes not complying with regulations 26-35 of the NESTF or Rule 14.10.1.7	function of road network activities, (e) Effects on the values, qualities and characteristics of the site, <u>heritage item or</u> <u>area</u> . <sup>164</sup>	

<sup>162</sup> 559.193 Heritage NZPT
 <sup>163</sup> 559.193 Heritage NZPT
 <sup>164</sup> 559.195 Heritage NZPT

Proposed District Plan (Stage I) (Notified version)

14 Infrastructure and Energy

RD5	<ul> <li>(a) Aerial telecommunication lines and associated support structures, including those not complying with regulations 41- 42 of the NESTE, that:</li> </ul>		
	<ul> <li>(i) Do not comply with one or more conditions of Rule 14.10.1.12; and</li> <li>(ii) Are not located within an Identified Area.</li> </ul>		
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		
RD8	Poles, antennas and headframes located within an Identified Area that comply with Rule 14.10.1.7 <sup>165</sup>		
RD9	<u>(a) Externally-mounted telecommunication satellite dishes and ancillary components that:</u> (i) <u>Are located within an Identified Area.</u> <sup>166</sup>		

### 14.10.4 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Cabinets not meeting the <b>NESTF</b> 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 <mark>antennas</mark> not complying with regulations 26-35 of the <b>NESTF</b> 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

 <sup>&</sup>lt;sup>165</sup> 559.192 Heritage NZPT
 <sup>166</sup> 559.193 Heritage NZPT

#### 14.11 Water, wastewater and stormwater

#### 14.11.1 Permitted Activities

- (1) 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 <sup>167</sup> location and noise condition listed below.

Activity	Activity specific conditions
PI Stormwater systems for new development or subdivision	<ul> <li>14.11.1.1</li> <li>(a) New development or subdivision must have a stormwater system that complies with all of the following conditions: <ul> <li>(i) Operates by gravity;</li> <li>(ii) Manages stormwater through a Stormwater Management Plan<sup>168</sup> in the following manner:</li> <li>A. Primary systems detain or retain <sup>169</sup> 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 predevelopment rates; and</li> <li>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</li> <li>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.</li> <li>(iii) Stormwater management measures must be in place and operational upon the completion of subdivision and/or development;</li> <li>(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;</li> <li>(v) Stormwater management measures, including low impact design measures, must be implemented as appropriate in accordance with the following drainage hierarchy:</li> <li>A. Retention of rainwater/stormwater for reuse;</li> <li>B. Soakage techniques;</li> <li>C. Infiltration rate of a minimum of 7mm/hour;</li> <li>D. Treatment, detention and gradual release to a watercourse;</li> <li>E. Treatment, detention and gradual release to a piped stormwater system.</li> <li>F. Stormwater treatment shall address water quality; downstream erosion and scour effects; and cumulative volume effects. <sup>170</sup></li> <li>(vi) Where land is subject to instability, stormwater discharges</li> </ul> </li> </ul>
	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

<sup>167</sup> 697.47 Waikato District Council

<sup>169</sup> 81.248 Waikato Regional Council

<sup>&</sup>lt;sup>168</sup> 697.565 Waikato District Council

<sup>&</sup>lt;sup>170</sup> 81.150 Waikato Regional Council; 535.60 Hamilton City Council

<ul> <li>and downstream effects either on the site or on neighbouring properties;</li> <li>(vii) Connection of new development to any existing stormwater drainage system must not result in the minimum level of service not being met or the minimum level of capacity being exceeded. Alteration of the existing receiving stormwater network drainage system to achieve minimum level of service or additional onsite detention volume to ensure existing capacity will be required.</li> </ul>
Notes: (iii)-(i) Acceptable means of compliance for the provision, design and construction of stormwater infrastructure, including low impact design features, are contained within the Regional Infrastructure Technical Specifications (RITS). Refer also to Waikato Stormwater Management Guideline and Waikato Stormwater Run-off Modelling Guideline. <sup>171</sup> (iii) A stormwater discharge consent may also be required from the Waikato Regional Council.

<del>₽2</del>	The establishment of impervious surfaces associated with new development or subdivision- <sup>172</sup>	<ul> <li>14.11.1.2 <ul> <li>(a) The establishment of impervious surfaces associated with new development or subdivision that complies with the following condition: <ul> <li>(i) The maximum impervious surface of a site within the Residential Zone, Rangitahi Peninsula Zone, Village Zone or Country Living Zone is 70%.<sup>173</sup></li> </ul> </li> <li>[Delete P2 and 14.11.1.2, and Re-locate 14.11.1.2 P2 and activity specific condition impervious area controls to the zone chapters Residential Zone; Rangitahi Peninsula Zone; Village Zone; and Country Living Zone]<sup>174</sup></li> </ul></li></ul>
Р3	Wastewater servicing for new development or subdivision	<ul> <li>14.11.1.3</li> <li>(a) New development or subdivision must have a wastewater system that complies with the following conditions: <ul> <li>(i) Is connected to public, reticulated wastewater network; or</li> <li>(ii) Is connected to a community-scale wastewater system; or</li> <li>(iii) Is provided with a site-contained, alternative method of wastewater disposal that complies with AS/NZS 1547:2012.</li> </ul> </li> </ul>
P4	Below ground pipelines for the conveyance of water, wastewater and stormwater	<ul> <li>14.11.1.4</li> <li>(a) Below ground <sup>175</sup> Pipelines for the conveyance of water, wastewater and stormwater that comply with all of the following: <ul> <li>(i) Any aboveground section of a pipeline must comply with the following:</li> <li>A. Not exceed 25m in length, and</li> <li>B. Not exceed 300mm in diameter.</li> <li>(ii) Is not located within an Identified Area.</li> </ul> </li> </ul>

 <sup>&</sup>lt;sup>171</sup> 697.50 Waikato District Council; 81.144 Waikato Regional Council
 <sup>172</sup> 697.9; 697.51 Waikato District Council
 <sup>173</sup> 697.9; 697.51 Waikato District Council
 <sup>174</sup> 697.9; 697.51 Waikato District Council
 <sup>175</sup> 697.52 Waikato District Council

P5	Below ground pipelines for the conveyance of water, wastewater and stormwater located within an Identified Area	<ul> <li>(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.</li> <li>14.11.1.5</li> <li>(a) Below ground pipelines for the conveyance of water, wastewater and stormwater located within an Identified Area that comply with all of the following: <ul> <li>(i) There are no aboveground sections of pipeline within an Identified Area.</li> <li>(ii) Are not within a site or area in Schedule 30.1 or 30.3 or 30.4.</li> </ul> </li> </ul>
P6	Pump stations for the conveyance of water, wastewater and stormwater	<ul> <li>14.11.1.6</li> <li>(a) Pump stations for the conveyance of water, wastewater and stormwater that complies with the following conditions: <ul> <li>(i) Is not located within an Identified Area.</li> <li>(ii) Not exceed 10m<sup>2</sup> in area above-ground; <sup>177</sup></li> <li>(iii) Not exceed 3m in height. <sup>178</sup></li> </ul> </li> </ul>
P7	Stormwater treatment, detention and retention facilities or devices	<ul> <li>14.11.1.7</li> <li>(a) Stormwater treatment, detention and retention facilities or devices, <u>excluding stormwater wetlands or ponds</u> that comply with the following:</li> </ul>

- <sup>176</sup> 559.198 Heritage NZPT
   <sup>177</sup> 697.53 Waikato District Council
   <sup>178</sup> 423.9 Watercare Services Limited

-	T	
		(i) is not a stormwater wetland or pend <sup>179</sup>
		(i) is not a stormwater wetland or pond.

P8	Stormwater ponds or	14.11.1.8
	wetlands	<ul> <li>(a) Stormwater ponds or wetlands that comply with the following:</li> <li>(i) The area of the pond or wetland does not exceed the equivalent site building coverage conditions applicable to the zone.</li> </ul>
P9	Ventilation facilities,	14.11.1.8
	drop shafts and manholes	(a) Ventilation facilities, drop shafts and manholes that comply with the following:
		(i) Are not located within an Identified Area.
P10	Below ground reservoirs	14.11.1.9
		<ul> <li>(a) Below ground reservoirs that comply with all of the following:</li> <li>(i) Are not located within an Identified Area; or</li> <li>(ii) Are not located within road or unformed road.</li> </ul>
PII	PII Water supply	<u>14.11.1.11</u>
	servicing for new	(a) New development or subdivision must have a water supply system that complies with the following conditions:

<sup>&</sup>lt;sup>179</sup> 697.54 Waikato District Council

development or subdivision 180	(i) Is connected to any available public, reticulated water supply system nearby; <sup>181</sup>
	(ii) In addition to connection to reticulated supply for potable water, may also use rainwater harvesting (installation of rain storage tanks for water conservation) to supplement water supply, but not for potable uses. <sup>182</sup>

#### 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	ty	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	<ul> <li>Discretion is restricted to:</li> <li>(a) The likely effectiveness of the system to avoid flooding, nuisance or damage to other buildings and sites;</li> <li>(b) The capacity of the system and suitability to manage stormwater.</li> <li>(c) The potential for adverse effects to the environment in terms of stormwater quantity and stormwater quality effects.<sup>183</sup></li> </ul>
RD2	The establishment of <mark>impervious surfaces</mark> 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. <sup>184</sup>
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	<ul> <li>Discretion is restricted to:</li> <li>(a) Health and safety of the occupants;</li> <li>(b) Capacity of the system;</li> <li>(c) Infiltration capacity of the soil;</li> <li>(d) Location, including proximity to waterways and effects on habitats;</li> <li>(e) Contamination of downstream properties by wastewater.</li> </ul>
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	Discretion is restricted to: (a) The <mark>functional need</mark> and <mark>operational need</mark> of, and benefits derived from, the <mark>infrastructure</mark> ;
RD5	Pump stations for the conveyance of water, wastewater and stormwater located within an Identified Area, or larger than the area/height limits of Rule 14.11.1.6 <sup>185</sup>	<ul> <li>(b) Visual, streetscape and amenity effects;</li> <li>(c) Road network safety and efficiency;</li> <li>(d) The risk of hazards to public or individual safety, and risk of property damage; and</li> <li>(e) Effects on the specific values, qualities and</li> </ul>
RD6	Stormwater ponds or wetlands, that serve more than one site, located within:	characteristics of any Identified Area.

<sup>&</sup>lt;sup>180</sup> 697.48 Waikato District Council

<sup>&</sup>lt;sup>181</sup> 535.61 Hamilton City Council; 697.48 Waikato District Council

<sup>182 822.2</sup> Bob MacLeod

<sup>183 81.145</sup> Waikato Regional Council

<sup>&</sup>lt;sup>184</sup> 697.56 Waikato District Council; 697.310 Waikato District Council

<sup>&</sup>lt;sup>185</sup> 697.53 Waikato District Council; 423.9 Watercare

	( <del>v)</del> (i) Residential Zone ( <del>vi)</del> (ii) Rangitahi Peninsula Zone ( <del>vii)</del> (iii) Village Zone ( <del>viii)</del> (iv) Country Living Zone
	( <del>ix)</del> (⊻) Road and unformed road ( <del>x)</del> (⊻i) Identified Area. <sup>186</sup>
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
<u>RD10</u>	Water supply that does not comply with Rule 14.11.1(P1). Discretion is restricted to: (a) Health and safety of the occupants; and (b) Sufficiency of supply for fire-fighting. <sup>187</sup>

 <sup>&</sup>lt;sup>186</sup> 697.57 Waikato District Council
 <sup>187</sup> 697.49 Waikato District Council

### 14.11.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

DI	Water treatment plants not located within road and or <sup>188</sup> unformed road or an Identified Area		
D2	Wastewater treatment plants located within the following: (iv) (i) Industrial Zone (v) (ii) Industrial Zone Heavy <sup>189</sup> (vi) (iii) Motor Sport and Recreation Zone (vii) (iv) Rural Zone (viii) (v) Country Living Zone (ix) (vi) Reserve Zone <sup>190</sup>		
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 treatment plants located within the following:	
	<ul> <li>(i) Road and or unformed road; or</li> <li>(ii) Identified Area <sup>191</sup></li> </ul>	
NC2	Wastewater treatment plants located within the following:	
	<del>(xix)(i)</del> Residential Zone	
	<del>(xx)<u>(ii)</u> Rangitahi Peninsula Zone</del>	
	<del>(xxi)(iii)</del> Village Zone	
	( <del>xxii)(iy)</del> Business Zone	
	(xxiii)(v)_Business Town Centre Zone	
	<del>(xxiv)<u>(vi)</u> Tamahere Business Zone</del>	
	<del>(xxv) Te Kowhai Airpark Zone</del>	
	( <del>xxvi)(vii)</del> Road and unformed road	
	(xxvii)(viii) Identified Area <sup>192</sup>	
NC3	Above ground reservoirs located within an Identified Area	

 <sup>&</sup>lt;sup>188</sup> 697.58 Waikato District Council
 <sup>189</sup> 697.518 Waikato District Council

<sup>&</sup>lt;sup>190</sup> 697.59 Waikato District Council <sup>191</sup> 697.60 Waikato District Council

<sup>&</sup>lt;sup>192</sup> 697.61 Waikato District Council

## 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
Activity         PI       Vehicle access for all activities         Image: state s	Activity specific conditions         14.12.1.1         (1) All activities must comply with the following vehicle access conditions:         (a) The site has a-vehicle legal physical access to a formed road that is maintained by a road controlling authority; <sup>193</sup> (b) The site has a vehicle access that is constructed to comply with the relevant requirements of Table 14.12.5.1, Figure 14.12.52, Table 14.12.5.1 <sup>594</sup> except: <ul> <li>i. Rule 14.12.51 <sup>594</sup> except:</li> <li>i. Rule 14.12.52 cannot be achieved on a site's road frontage due to existing vehicle accesses on adjacent sites;</li> <li>(c) No new vehicle access shall be created from Newell Road (south of Birchwood Lane);</li> <li>(d) No access, access leg or right-of-way shall run parallel to any road within 30m of the road, except:             <ul> <li>i. Rule 14.12.5.5 and 14.12.5.6 (where the roads hierarchy in Tables 14.12.5.5 and 14.12.5.6 (where 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);</li> <li>(f) New vehicle access/entrances are not to be constructed to any site from the following roads:</li></ul></li></ul>
	Street); and 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.

<sup>193</sup> 742.95 NZTA

<sup>&</sup>lt;sup>194</sup> 378.16 FENZ

		(b) All ovieting and now accords and no do that energy of
		(h) <u>All existing and new accesses and roads that cross an</u>
		operational rail network via a level crossing must be
		<u>maintained in accordance with the sight line triangles</u> provided in Table 14.12.5.22. <sup>195</sup>
		(i) <u>New vehicle access shall not be located within an Identified</u>
		Area <sup>196</sup>
		Note: Any new vehicle access (or additional land use utilising an
		existing vehicle entrance) on a limited access road or state highway
		will require the approval of the NZTA, as the road controlling
		authority, and on a limited access road will require the approval of the
		road controlling authority. <sup>197</sup>
P2		14.12.1.2
14	On-site parking and	
	loading	(1) 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 <sup>198</sup> rural activities;
		v. Parking spaces must comply with the New Zealand
		Building Code D1/AS1 New Zealand Standard for
		Design for Access and Mobility – Buildings and
		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 <u>from being viewed from the road;</u> <sup>199</sup> (d) On site car parking spaces and loading bays are to be
		(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;
		י כין טוו כט,

- <sup>195</sup> 986.87 KiwiRail
   <sup>196</sup> 81.246 Waikato Regional Council
   <sup>197</sup> 742.96 NZTA
   <sup>198</sup> 742.98 NZTA; 697.62 Waikato District Council
   <sup>199</sup> 697.63 Waikato District Council

		(e) On-site car parking spaces and loading bays are formed to be
		sealed if five or more parking spaces are required; 200
		(f) On-site car parking spaces and loading bays are to be
		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 living <sup>201</sup> 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
		vehicle occupying other on-site car parking or loading spaces;
		<ul> <li>On-site car parking spaces and loading bays are not required</li> </ul>
		on <mark>sites</mark> 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).
		(j) <u>New on-site parking and loading bays shall not be located within an</u>
		Identified <u>Area</u> <sup>202</sup>
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 <del>onto</del> <u>from or to</u> <sup>203</sup> a road
		except;
		i. <b>Rule 14.12.1.3(1)(a</b> ) does not apply to Local Roads
		within the Residential and Village Zones with a
		posted speed limit of less than 60 <del>kph</del> <u>km/h</u> . <sup>204</sup>
		(b) A 90 <u>th</u> <sup>205</sup> 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 the largest combination
		standard configuration heavy vehicle permitted on the road(s)
		to which the site has frontage trucks to be used), as set out in
1		
		the guideline RTS 18 - New Zealand on-road tracking curves
		<del>the guideline RTS 18 - New Zealand on road tracking curves</del> <del>for heavy motor vehicles (2007)</del> ; <sup>206</sup>
		for heavy motor vehicles (2007); <sup>206</sup>
		<ul> <li>for heavy motor vehicles (2007); <sup>206</sup></li> <li>(d) On-site manoeuvring space shall be formed;</li> <li>(e) On-site queuing space shall be provided in accordance with</li> </ul>
		for heavy motor vehicles (2007); <sup>206</sup> (d) On-site manoeuvring space shall be formed;

 <sup>&</sup>lt;sup>200</sup> 697.64 Waikato District Council
 <sup>201</sup> 697.65 Waikato District Council
 <sup>202</sup> 81.246 Waikato Regional Council
 <sup>203</sup> 697.66 Waikato District Council
 <sup>204</sup> 742.99 NZTA
 <sup>205</sup> 742.100 NZTA
 <sup>206</sup> 742.101 NZTA

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<sup>&</sup>lt;sup>206</sup> 742.101 NZTA

		<ul> <li>i. Length is measured from the road boundary where vehicles first enter the site; and</li> <li>ii. On-site queuing above must not encroach into the required on-site manoeuvring area;</li> <li>(f) On-site manoeuvring and queuing spaces are not required on sites with vehicle accesses/entrances to the following: <ol> <li>Main Street, Huntly;</li> <li>Jesmond Street, Ngaruawahia;</li> <li>Bow Street, Raglan (James Street to Cliff Street);</li> <li>George Street, Tuakau (Gibson Road to Liverpool Street);</li> <li>v. Great South Road, Pokeno (Selby Street to Market Street);</li> </ol> </li> </ul>
		vi. Main Street, Te Kauwhata (Saleyard Road to Baird
		Avenue). (g) <u>New on-site manoeuvring shall not be located within an Identified</u> <u>Area<sup>207</sup></u>
P4	Traffic generation	14.12.1.4
		(1) Any activity Each site <sup>208</sup> must comply with the following traffic
		generation conditions:
		(a) Within the Residential, Village or Country Living Zones there
		is a maximum of 100 vehicle movements per site <sup>209</sup> per day,
		and no more than 15% of these vehicle movements are heavy
		<mark>vehicle</mark> movements; or
		<ul> <li>(b) Within the Rangitahi Peninsula Zone there is a maximum of 200 vehicle movements <u>per site <sup>210</sup></u> per day, and no more than 5% of these vehicle movements are heavy vehicle movements;</li> </ul>
		or
		<ul> <li>(c) Within the Business Zone Tamahere, Business Zone or Business Town Centre Zone there is a maximum of 300 vehicle movements <u>per site</u><sup>211</sup> per day, and no more than 15% of these vehicle movements are <u>heavy vehicle</u> movements; or</li> </ul>
		(d) Within the Rural Zone:
		i. There is maximum 200 vehicle movements <u>per site</u> <sup>212</sup> per day and no more than 15% of these vehicle
		movements are heavy vehicle movements; or
		ii. For activities directly associated with horticulture
		harvesting, a maximum of 300 vehicle movements
		per site per day for up to a month, once in a 12
		month period and no more than 33% of these vehicle movements are heavy vehicle movements; or <sup>213</sup>
		iii. Within the Agricultural Research Centres identified
		on the planning maps as a Specific Area there is maximum 3000 vehicle movements <u>per site</u> <sup>214</sup> per
		day; or (e) Within the Industrial and Heavy Industrial Zone (excluding
		the Huntly Power Station and Huntly Quarry site):

<sup>207</sup> 81.246 Waikato Regional Council <sup>208</sup> 697.68 Waikato District Council <sup>209</sup> 742.102 NZTA

- <sup>210</sup> 742.102 NZTA <sup>211</sup> 742.102 NZTA

- <sup>212</sup> 742.102 NZTA
   <sup>213</sup> 419.107 Hort NZ; 466.3 Balle Bros Group
   <sup>214</sup> 742.102 NZTA

P5	Operation, maintenance and minor upgrading of existing public roads, State	<ul> <li>14.12.1.5</li> <li>(1) Operation, maintenance and minor upgrading of existing public roads, State Highways, <u>rail corridors</u> and associated <u>rail network</u></li> </ul>
		<ul> <li>(j) From the Horotiu Industrial Park does not exceed 15.4 trips/ha gross land area/peak hour.<sup>225</sup></li> <li>Note: Where the likely traffic generation vehicle movement <sup>226</sup> rates or the actual generation rates of the actual activity are unknown.<sup>227</sup></li> <li>Table 14.12.5.13 provides indicative traffic generation rates for various activities.</li> </ul>
		<ul> <li>are heavy vehicle movements; or</li> <li>(f) From the Huntly Power Station site as shown as the Industrial Zone Heavy <sup>216</sup> on the planning maps: <ol> <li>All traffic vehicle <sup>217</sup> movements generated from all activities on the site combined (including those movements which were lawfully established prior to 5 December 2012), there is a maximum 750 vehicle movements per site <sup>218</sup> per day; and</li> <li>Maximum 300 of these vehicle movements are heavy vehicle movements; or</li> </ol> </li> <li>(g) From the Huntly Quarry site: <ol> <li>All traffic vehicle <sup>219</sup> movements generated from all activities on the site combined (excluding those movements which were lawfully established prior to 5 December 2012), there is maximum 350 vehicle movements per site <sup>220</sup> per day; and</li> <li>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.</li> </ol> </li> <li>(h) Within Precincts A and B of the Te Kowhai Airpark Zone <sup>221</sup> there is a maximum 250 vehicle movements are heavy vehicle movements.</li> <li>(i) Within Precincts C and D of these vehicle movements are heavy vehicle movements.</li> <li>(i) Within Precincts C and D of the Te Kowhai Airpark Zone <sup>223</sup> there is a maximum of 30 vehicle movements <u>per site <sup>224</sup></u> per day and no more than 4 of these vehicle movements are heavy vehicle movements.</li> <li>(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.</li> </ul>

<sup>215</sup> 742.102 NZTA

- <sup>216</sup> 697.518 Waikato District Council <sup>217</sup> 697.67 Waikato District Council

- <sup>218</sup> 742.102 NZTA <sup>219</sup> 697.67 Waikato District Council
- <sup>220</sup> 742.102 NZTA
- <sup>221</sup> 697.519 Waikato District Council <sup>222</sup> 742.102 NZTA; 823.3 NZTE Operations Limited
- <sup>223</sup> 697.519 Waikato District Council
- <sup>224</sup> 742.102 NZTA; 823.3 NZTE Operations Limited
- <sup>225</sup> 578.39 POAL
- <sup>226</sup> 781.8 Ministry of Education

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<sup>&</sup>lt;sup>227</sup> 578.39 POAL

	Highways and associated	and <sup>228</sup> road network activities must comply with the following conditions:
	road network activities	(a) The works occur within <del>the</del> road <u>reserve</u> <del>or unformed road</del> <u>or railway corridor;</u> <sup>229</sup>
		(b) Works within the road <u>or railway</u> corridor must <u>be for the</u> <u>purpose of</u> : <sup>230</sup>
		(i) <u>Maintaining or improving effectiveness or efficiency consistent with</u> <u>the Incidental to, and serve a supportive</u> -function <u>of</u> for, <sup>231</sup> the existing public road <u>or railway corridor</u> ; <sup>96</sup> or
		(ii) <u>Maintaining or improving safety for road users or adjacent properties</u> Required for the safety of road users; or <sup>232</sup>
		iii. Required for the safety of adjacent landowners or occupiers; <sup>97</sup>
		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
		(c) 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	<ul> <li>(c) Any earthworks must comply with Kule 14.5.1.2.</li> <li>14.12.1.6</li> <li>(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: <ul> <li>(a) The public road is located within road or unformed road as shown on the planning maps;</li> <li>(b) The public road is not located within an Identified Area;</li> <li>(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: <ul> <li>i. Any National routes or Regional arterial roads would shall <sup>234</sup> be subject to Rule 14.12.2 (RD6);</li> <li>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;</li> <li>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</li> <li>iv. The requirements of Table 14.12.5.14 or 14.12.5.15</li> </ul> </li> </ul></li></ul>
		Country Living Zone, all roads must:

- <sup>228</sup> 986.84 KiwiRail
   <sup>229</sup> 742.103 NZTA; 986.84 KiwiRail
   <sup>230</sup> 742.103 NZTA; 986.84 KiwiRail
   <sup>231</sup> 742.103 NZTA; 986.84 KiwiRail
   <sup>232</sup> 742.103 NZTA
   <sup>233</sup> 697.70 Waikato District Council
   <sup>234</sup> 742.242 NZTA

		<ul> <li>i. <u>Comply with the The <sup>235</sup> minimum widths specified in Figure 14.12.5.17</u>; and</li> <li>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 Probability <sup>236</sup> event; and</li> <li>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.</li> <li>(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;</li> <li>(f) Within road or unformed road located within the Te Kauwhata Structure Plan area, being Residential Ecological Te Kauwhata, Residential West Te Kauwhata, and Residential Te Kauwhata South: <sup>237</sup></li> <li>i. All roads and vehicle accesses shall be constructed in accordance with Table 14.12.5.19 and 14.12.5.20; and</li> <li>ii. Stormwater collection must be through grassed swales prior to reaching reticulated systems.</li> <li>(g) Any earthworks must comply with Rule 14.3.1.3.</li> <li>Note: Where the conditions of Table 14.12.5.14 or 14.12.5.15 do not specific disign; 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</li> </ul>
		separate certification process by the relevant road controlling
H		authority.
P7	Access and New Roads –	14.12.1.7
	Te Kowhai Airpark <mark>Zone<sup>238</sup></mark>	<ol> <li>Airpark roads which are to be vested in Council must comply with the following conditions:         <ul> <li>(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:                 <ul> <li>The requirements of Table 14.12.5.14 or 14.12.5.15 shall not apply to taxiways within Te Kowhai airpark.</li> </ul> </li> </ul> </li> </ol>
		<ul> <li>(2) Road alignment and the taxiway network within the Te Kowhai Airpark Zone<sup>239</sup> shall be in general <sup>240</sup> accordance with Appendix 9 – The Te Kowhai Airpark Zone <sup>241</sup> Framework Plan.</li> <li>(2) The second second</li></ul>
		(3) The western boundary of the Te Kowhai Airpark Zone <sup>242</sup> shall provide for future connectivity options (vehicular and / or

- <sup>235</sup> 742.242 NZTA
   <sup>236</sup> 697.69 Waikato District Council
   <sup>237</sup> 368.17 Ian McAlley
   <sup>238</sup> 697.519 Waikato District Council
   <sup>239</sup> 697.519 Waikato District Council
   <sup>240</sup> 823.4 NZTE Operations Limited
   <sup>241</sup> 697.519 Waikato District Council
   <sup>242</sup> 697.519 Waikato District Council

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<sup>&</sup>lt;sup>235</sup> 742.242 NZTA

<sup>&</sup>lt;sup>242</sup> 697.519 Waikato District Council

		<ul> <li>pedestrian) in <u>general</u> <sup>103</sup> accordance with the location identified in Appendix 9 – The Te Kowhai Airpark Zone <sup>243</sup> Framework Plan.</li> <li>(4) Any <u>earthworks</u> must comply with <u>Rule 14.3.1.3.</u></li> </ul>
P8	Off-road pedestrian walkways and cycleways facilities, <sup>244</sup> being sections of the public walkway and cycleway network that are not located within the road network <sup>245</sup>	<ul> <li>(1) Any calculotes must comply with rate fills. I.S.</li> <li>14.12.1.8         <ul> <li>(a) Off-road pedestrian <u>walkways</u> and/<u>or cycleways cycling</u> facilities,<sup>246</sup> that comply with all of the following conditions:</li></ul></li></ul>
		iv. Are not located within an Identified Area
P9	Stock underpasses located within: (a) Road and unformed road (b) Rural Zone	<ul> <li>14.12.1.9</li> <li>(1) Stock underpasses in the Rural Zone located in the road and unformed road that comply with all of the following conditions:</li> <li>(a) Any earthworks must comply with Rule 14.3.1.3; and</li> <li>(b) Are not located within an Identified Area.</li> </ul>
<u>P10</u>	Esplanade reserves and strips where a road is stopped	<ul> <li>14.12.1.10 (a) Where land comprising a stopped road or any part of a stopped road adjoins:</li> <li>(i) the mark of mean high water springs of the sea; or (ii) the bank of any river with an average width of 3 metres or more; or</li> <li>(iii) the margin of any lake with an area of 8 hectares or more Section 345(3) of the Local Government Act 1974 and section 118 of the Public Works Act 1981 will apply only where the land comprising the stopped road or part of the stopped road is identified:</li> <li>(iv) in Appendix 5 (Esplanade Priority Areas); or</li> <li>(v) on the planning maps as requiring an esplanade reserve, esplanade strip or access strip to be set aside. <sup>249</sup></li> </ul>

## 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	
<ul> <li><sup>243</sup> 697.519 Waikato District Council</li> <li><sup>244</sup> 697.71 Waikato District Council</li> <li><sup>245</sup> 535.63 Hamilton City Council</li> </ul>	I	1
<sup>246</sup> 697.71 Waikato District Council		

<sup>248</sup> 535.64 Hamilton City Council
 <sup>249</sup> 697.80 Waikato District Council

RDI		Discussion is massived too
RDT	Vehicle access that does not	Discretion is restricted to:
	comply with one or more of the	(a) Traffic generation by the activities to be served by the
	conditions of Rule 14.12.1.1	access; (b) Location, design, construction and materials of the vehicle access;
		(c) Safety for <del>vehicles and pedestrians</del> all users of the access
		and/or intersecting road including but not limited to
		vehicle occupants or riders and pedestrians; <sup>250</sup>
		(d) Road network safety and efficiency; and
		(e) Mitigation to address safety and/or efficiency, including
		access clearance requirements for fire-fighting purposes.
		(f) <u>The foreseeable needs for access by emergency services</u>
		and their vehicles <sup>252</sup>
		(g) The extent to which the safety and efficiency of rail and
		road operations will be adversely affected, including: i. The outcome of any consultation with KiwiRail;
		NZTA; Waikato District Council, as the rail or
		road controlling authority.
		road controlling addionty:
		ii. Any characteristics of the proposed use that
		will make compliance unnecessary. <sup>253</sup>
		(h) Management of effects on the values of the Identified Area <sup>254</sup>
RD2	On-site parking and loading that	Discretion is restricted to:
	does not comply with one or	(a) The number, area, type, location and marking of parking
	more of the conditions of Rule	spaces;
	14.12.1.2	(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 <del>vehicles and pedestrians</del> all users of the access
		and/or intersecting road including but not limited to
		vehicle occupants, vehicle riders and pedestrians; <sup>255</sup>
		(e) Mitigation to address amenity and connectivity.
		(f) <u>Need for parking spaces</u> . <sup>256</sup>
		(g) <u>The foreseeable needs for access by emergency services</u>
		and their vehicles. <sup>257</sup> (h) Management of effects on the values of the Identified
		Area <sup>258</sup>
RD3	On-site manoeuvring and	Discretion is restricted to:
	queuing that does not comply	(a) Location, area, design, construction and materials of the
	with one or more of the	manoeuvring and queuing space;
	conditions of Rule 14.12.1.3	(b) Type and frequency of use;
		(c) Safety design for vehicles and pedestrians The design of
		features intended to ensure safety for all users of the
		access site, and/or intersecting road including but not

- <sup>250</sup> 742.245 NZTA
- <sup>250</sup> 742.245 NZTA
   <sup>251</sup> 378.17 FENZ
   <sup>252</sup> 297.51 Counties Manukau Police
   <sup>253</sup> 986.86 KiwiRail
   <sup>254</sup> 81.246 Waikato Regional Council
   <sup>255</sup> 742.246 NZTA
   <sup>256</sup> 472 NULL

- <sup>256</sup> 697.72 Waikato District Council
   <sup>257</sup> 297.59 Counties Manukau Police
   <sup>258</sup> 81.246 Waikato Regional Council

limited to vehicle occupants, vehicle riders and pedestrians; <sup>259</sup>
(d) Road network safety and efficiency.

<sup>&</sup>lt;sup>259</sup> 742.104 NZTA

	(e) Management of effects on the values of the Identified
	Area <sup>260</sup>
Traffic generation that does not comply with one or more of the conditions of Rule 14.12.1.4	<ul> <li>Discretion is restricted to: <ul> <li>(a) The trip characteristics of associated with the proposed activity on the site; <sup>261</sup></li> <li>(b) Safety design for vehicles and pedestrians The design of features intended to ensure safety for all users of the access site, and/or intersecting road including but not limited to vehicle occupants, vehicle riders and pedestrians; <sup>262</sup></li> <li>(c) Road Land transport network safety and efficiency, particularly at peak traffic times (of both the activity and road network); <sup>263</sup></li> <li>(d) Mitigation to address adverse effects, such as: <ul> <li>Travel planning;</li> <li>Providing alternatives to private vehicle trips, including accessibility to public transport;</li> <li>Staging development; and</li> </ul> </li> </ul></li></ul>
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	<ul> <li>Contributing to improvements to the road network.</li> <li>Discretion is restricted to: <ul> <li>(a) Adverse effects on amenity values, including construction effects such as vibration and noise;</li> <li>(b) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions;</li> <li>(c) Severance and changes to drainage patterns;</li> <li>(d) The benefits provided by the activity, including safety and efficiency of the road network;</li> </ul> </li> </ul>
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	<ul> <li>(e) Management of sediment and dust, including the staging of works;</li> <li>(f) The volume, extent and depth of the earthworks activities;</li> <li>(g) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site.</li> </ul>
	comply with one or more of the conditions of Rule 14.12.1.4 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 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

RD7	Access and New Roads – Te Kowhai Airpark <u>Zone</u> <sup>264</sup> that do not comply with one or more of the conditions of <u>Rule 14.12.1.7</u>	Discretion is restricted to: (a) The extent to which the Te Kowhai Airpark Zone <sup>265</sup> Framework Plan is not complied with;
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 <sup>&</sup>lt;sup>260</sup> 81.246 Waikato Regional Council
 <sup>261</sup> 742.106 NZTA

- <sup>262</sup> 742.107 NZTA
   <sup>263</sup> 742.108 NZTA
   <sup>264</sup> 697.519 Waikato District Council
   <sup>265</sup> 697.519 Waikato District Council

		<ul> <li>(b) The extent to which connectivity can safely and practically be achieved between Te Kowhai aerodrome and Te Kowhai village;</li> <li>(c) Adverse effects on amenity values, including construction effects such as vibration and noise;</li> <li>(d) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions;</li> <li>(e) Severance and changes to drainage patterns;</li> <li>(f) The benefits provided by the activity, including safety and efficiency of the road network;</li> <li>(g) Management of sediment and dust, including the staging of works;</li> <li>(h) The volume, extent and depth of the earthworks activities;</li> <li>(i) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site or area; <sup>266</sup></li> <li>(j) adverse effects on the safety and efficiency of the land transport network. <sup>267</sup></li> </ul>
RD8	Off-road pedestrian and cycle facilities that do not comply with one or more of the conditions of Rule 14.12.1.8	<ul> <li>Discretion is restricted to:</li> <li>(a) Design, construction and materials;</li> <li>(b) Safety for cyclists and pedestrians;</li> <li>(c) Connectivity with other off-road pedestrian and cycle facilities and the road network; and</li> <li>(d) Visual and amenity effects.</li> <li>(e) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site or area. <sup>268</sup></li> </ul>
<u>RD9</u>	Buildings and structures within a road/rail level crossing sight triangle	Discretion is restricted to:         1. The extent to which the safety and efficiency of rail and road operations will be adversely affected         2. The outcome of any consultation with KiwiRail         3. Any characteristics of the proposed use that will make compliance unnecessary. 269

## 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

 <sup>&</sup>lt;sup>266</sup> 559.211 Heritage NZPT
 <sup>267</sup> 742.109 NZTA
 <sup>268</sup> 559.212 Heritage NZPT
 <sup>269</sup> 986.87 KiwiRail

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
D3	Esplanade reserves where a road is stopped that does not comply with Rule (14.12.1.10) 270

<sup>&</sup>lt;sup>270</sup> 697.80 Waikato District Council

# 14.12.5 Transportation tables and figures

Table 14.12.5.1 - Separation distances <sup>271</sup>

		Separ	ration distance of an a	ccess onto a road fro	om an intersection or l	between accesses			
Posted Speed Environment	Design Speed 272	Distance (m)							
			Р		K		Μ		N
		<u>National</u> Regional Arterial and Arterial	Collector Road and Local Road	<u>National</u> Regional Arterial and Arterial	Collector Road and Local Road	<u>National</u> Regional Arterial and Arterial	Collector Road and Local Road	<u>National</u> Regional Arterial and Arterial	Collector Road and Local Road
100 km/h	<u>110 km/h</u>	800	500	<del>200</del> - <u>500</u>	100		60	200	100
80 km/h	<u>100 km/h</u>	550	<del>200</del> <u>305</u>	+ <u>20-305</u>	80			100	80
70 km/h	<u>80 km/h</u>	220	200	<del>100-<u>220</u></del>	30	45 <u>20</u>		40	30
<u>60 km/h</u>	<u>70 km/h</u>	<u>160</u>	<u>160</u>	<u>160</u>					<u>20</u>

<sup>271</sup> 742.110 NZTA
 <sup>272</sup> 697.81 Waikato District Council

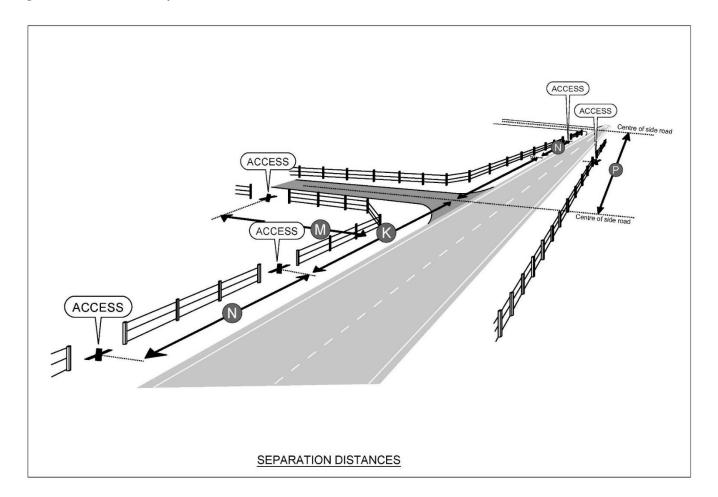
50 km/h or less	<u>60 km/h</u>					
		125	100	<del>30</del> <u>125</u>	20	15

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

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Figure 14.12.5.2 - Separation distances



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Table 14.12.5.3 - Minimum sight distances <sup>273</sup>

Design Speed Environment (km/h) <sup>274</sup>	From a vehicle entrance generating up to and including 40 vehicle movements per day	From a vehicle entrance generating more than 40 vehicle movements per day	
		Rural Areas	Urban Areas
40	<del>40m</del> <u>65m</u>	<del>70m <u>75m</u></del>	<del>60m_65m</del>
50	<del>60m-<u>90m</u></del>	<del>90m-<u>100m</u></del>	<del>80m</del> - <u>90m</u>
60	<del>80m-<u>115m</u></del>	++5m- <u>125m</u>	<del>105m-<u>115m</u></del>
70	<del>100m-<u>140m</u></del>	140m- <u>150m</u>	<del>130m-<u>140m</u></del>
80	<del>130m-<u>180m</u></del>	<del>175m</del> _ <u>180m</u>	<del>165m</del> - <u>170m</u>
90	<del>160m_215m</del>	210m-215m	
100	<del>200m-<u>250m</u></del>	250m	
110	<del>240m <u>290m</u></del>	290m	
<del>120</del>		<del>330m</del>	

Note: Sight distances are measured as illustrated in Figure 14.12.5.4

Note: Urban areas being those with a posted speed limit of 70 km/h or below.

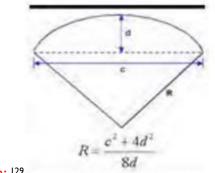
<sup>273</sup> 742.112 NZTA

<sup>274</sup> 697.82 Waikato District Council

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Road Centreline Radius	Approx. Design Speed
<u>0 - 45m</u>	<u>50 km/h</u>
<u>45 - 60m</u>	<u>60 km/h</u>
<u>60 - 80m</u>	<u>65 km/h</u>
<u>80 - 100m</u>	<u>70 km/h</u>
<u>100 - 120m</u>	<u>75 km/h</u>
<u>120 - 150m</u>	<u>80 km/h</u>
<u>150 - 200m</u>	<u>85 km/h</u>
<u>200 - 300m</u>	<u>95 km/h</u>
<u> 300 - 400m</u>	<u>100 km/h</u>
<u>&gt;400m</u>	<u>110km/h</u>
275	·]

<sup>275</sup> 697.83 Waikato District Council

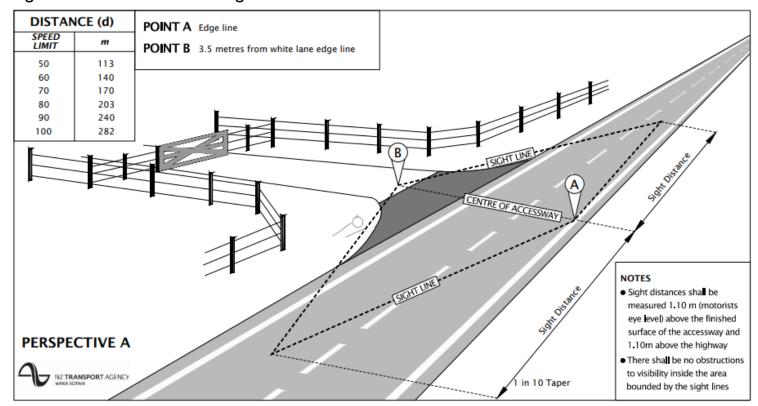


Curve radius can be determined using the following formula: 129

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Figure 14.12.5.4 - Minimum sight distances



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<sup>276</sup> 742.113 NZTA

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

## Table 14.12.5.5 - Functions of roads within the Road Hierarchy

**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)

Regional Arterial		
Road Name	Start	Finish
State Highway 39 (Horotiu Road)	State Highway 39 (Limmer Road)	State Highway 39 (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

Arterial		
Road Name	Start	Finish
Waverley Road	Holland Road	Piako Road
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 IB
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

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Collector				
Road Name	Start	Finish		
Platt Road	State Highway 26	Tauwhare Road		
Pokeno Road	Great South Road	Ridge Road		
Rawiri 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	Harris Street			
Te Mata Road State Highway 23		Ruapuke Road		
Te Pahu Road	State Highway 23 District boundar			
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 (nor		Wainui Road (north)		
Waiuku-Otaua Road Otaua Road Misa Road		Misa Road		
Wallis Street     Bow Street     End of kerb and change				
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 <sup>2</sup> gross floor area (GFA)	I heavy goods vehicle <del>(HGV)</del>
Child care Early Childhood Education and day care <u>facility</u> <sup>277</sup>	For facilities with less than 100 pupils, 10.5 car space per every full-time staff equivalent plus 1 car space per 510 children that the facility is designed to accommodate plus one 99% car loading bay:	Nil
	For facilities with 100 or more pupils, 2.5 car parks per new classroom or classroom equivalent (to be allocated as staff and visitor parking) plus one	

<sup>&</sup>lt;sup>277</sup> 781.7 Ministry of Education

Activity	Minimum Required Parking Spaces	Minimum Required Loading Bays
	99% car loading bay (or pick-up/drop-	
	<u>off bay) per 100 pupils</u> <sup>131</sup>	
Clubrooms at sports facilities	I car space per 35m² <mark>GFA</mark>	I HGV <u>heavy goods vehicle</u> 278
Community facilities, conference facilities and place of assembly	I car space per 15m <sup>2</sup> GFA, or 1 per 5 persons that the facility is designed to accommodate, whichever is greater	I <del>HGV</del> <u>heavy goods vehicle</u> 279
Marae complex	I car space per 15m <sup>2</sup> GFA	I HGV heavy goods vehicle 280
Papakaainga building	I car space per 30m <sup>2</sup> GFA	Nil
Dairies, takeaway food, bottle stores	I car space per 30m <sup>2</sup> <mark>GFA,</mark> except that in the Rangitahi Residential Zone I car space per 50m <sup>2</sup> <mark>GFA</mark> is required	I HGV, except that in the Rangitahi Residential Zone I HGV <u>heavy goods vehicle</u> <sup>281</sup> per 1000m <sup>2</sup> of GFA of Rangitahi commercial activity is required
Minor dwelling	l car space per <mark>dwelling</mark>	Nil
Dwelling	<ul> <li><u>1 car space is required for a dwelling on a site less</u></li> <li><u>than 300m<sup>2</sup> in area or for studio or 1-bedroom</u>         residential units; <sup>282</sup></li> <li>2 car spaces are required for <u>all other</u>         dwellings <del>with 2 or more bedrooms</del> <u>and one car space is required for</u> <del>studio or 1-bedroom residential units</del>.</li> </ul>	Nil
<del>Dwellings located within the</del> Lakeside Te Kauwhata <u>Precinct</u>	<u>I car space per dwelling on a site less than 300m<sup>2</sup></u> in area [consequential deletion if 'Dwelling' amendment above is agreed][579.54 Lakeside2017; 697.73 Waikato District Council]]	<u>Nii</u>
Retirement village	I car space per dwelling or unit <u>except in</u> <u>Te Kauwhata Lakeside</u> <sup>283</sup>	Nil
<u>Te Kauwhata Lakeside</u> <u>Retirement Village</u>	0.5 car parking spaces per independent living unit and one visitor space for every <u>10 residents</u> <sup>284</sup>	<u>Nil</u>

 <sup>&</sup>lt;sup>278</sup> 697.76 Waikato District Council
 <sup>279</sup> 697.76 Waikato District Council
 <sup>280</sup> 697.76 Waikato District Council
 <sup>281</sup> 697.76 Waikato District Council
 <sup>282</sup> 386.15 Pokeno Village Holdings Limited; 697.73 Waikato District Council; 749.77 HNZC
 <sup>283</sup> TER 54 Houst 1 2017; 497.73 Waikato District Council

<sup>&</sup>lt;sup>283</sup> 579.56 Lakeside2017; 697.73 Waikato District Council

<sup>&</sup>lt;sup>284</sup> 579.57 Lakeside2017; 697.73 Waikato District Council

Activity				
Retirement villages located				
within the Lakeside Te				
<u>Kauwhata Precinct</u>				
Multi-unit development	l car space per <mark>dwelling</mark> or unit	Nil		
Boarding houses / boarding establishments	<u>I car space per three units</u> <sup>285</sup>	<u>Nil</u>		
Emergency service facilities	I car space per on- duty staff person, plus sufficient space for all the emergency vehicles that	Nil		
Garden centres	use the <mark>site</mark> I car space per 100m² <mark>site</mark> area	I HGV heavy goods vehicle 286		
	3 car spaces per <del>professional <u>full-time staff</u></del>			
Health facility, veterinary and pers onal services	equivalent <sup>287</sup>	Nil		
Home occupations	In addition to residential requirements,	Nil		
	I car space per employee plus I where			
	the activity attracts clients to the <mark>site</mark>			
Hospitality services	I car space per 10m <sup>2</sup> net public	I HGV <u>heavy goods vehicle</u> ,		
(e.g. cafés, taverns)	floor area, except that in the	except that in the Rangitahi		
(0.8. 0	Rangitahi Residential Zone I car	Residential Zone I <del>HGV</del> <u>heavy</u>		
	pace per 15m <sup>2</sup> net public floor	goods vehicle per 1000m <sup>2</sup> GFA of		
	area is required	Rangitahi commercial activity is required. <sup>288</sup>		
Housing for the elderly/ residential care	I car space per 4 occupants	Nil		
Indoor sports facilities	4 car spaces per sports court or I	Nil		
	car space per 4 persons provided for			
	in the design, <mark>whichever is the</mark>			
	greater number of carparks 289			
Industrial activity	Industrial activity I car space per 100m <sup>2</sup> GFA			
Infrastructure sites and	I car space per on-duty staff person	Nil		
activities	No parking space requirement			
	shall apply to unstaffed facilities and sites			
Office	I car space per 35m² <mark>GFA</mark>	Nil		
Outdoor sports field	15 car spaces per hectare of sports field	Nil		

- <sup>285</sup> 749.77 HNZC
   <sup>286</sup> 697.76 Waikato District Council
   <sup>287</sup> 697.74 Waikato District Council
   <sup>288</sup> 697.76 Waikato District Council
   <sup>289</sup> 697.75 Waikato District Council

Activity	Minimum Required Parking Spaces	Minimum Required Loading Bays		
Hospital or care facilities associated with <mark>retirement</mark> <mark>village</mark>	2 car spaces per 3 patients accommodated plus I per 2 full- time staff equivalents	I HGY heavy goods vehicle 290		
Retail activity	I car space per 30 m <sup>2</sup> GFA, including indoor and outdoor retail area	Nil		
School	SchoolPrimary - I car space for every full- time staff equivalent plus 2 for every 50 students accommodated plus one 99% car loading bay (or pick-up/drop- off bay) per 100 pupils. Secondary – I car space for every full-time staff equivalent plus I per 10 students accommodated in Years II to 13-3 car parks per new classroom or classroom equivalent plus one 99% car loading bay (or pick-up/drop-off bay) per 100 students 271			
Service stations I car space per 45m <sup>2</sup> GFA excluding car washes and canopies over petrol pumps, plus 3 queuing per car wash, plus 4 per repair bay		Nil		
Supermarket activity	l car space per 25m <sup>2</sup> <mark>GFA</mark>	<del>2 HGV</del> <u>Under 2500m<sup>2</sup> GFA – 1 heavy</u> <u>goods vehicle</u> <u>Over 2500m<sup>2</sup> GFA – 2 heavy</u> <u>goods vehicles</u> <sup>292</sup>		
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 accomodated (or in the Rangitahi Peninsu Zone I car space per accommodation unit), plus         2 for manager residences with more than I bedroom, plus I for every 2 futime staff equivalents (whichever is greater), plus		I HGY <u>heavy goods vehicle</u> <sup>293</sup>		

<sup>290</sup> 697.76 Waikato District Council
 <sup>291</sup> 781.7 Ministry of Education
 <sup>292</sup> 588.11 Woolworths NZ Ltd
 <sup>293</sup> 697.76 Waikato District Council

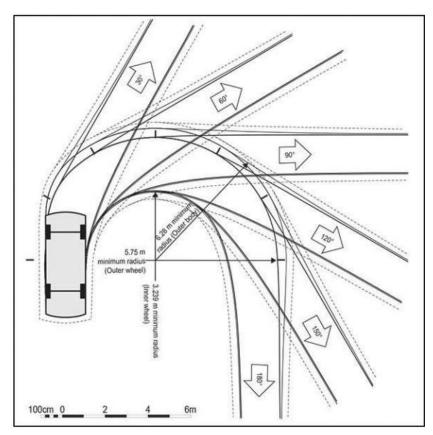
Activity	Minimum Required Parking Spaces	Minimum Required Loading Bays
	I coach park per 30 hotel or	
	back packers' beds	

# Figure 14.12.5.8 – 90<sup>th</sup> Percentile car tracking curve minimum radius

6000	
0.92 2.8	
PRE Vahiele (Peolistic min re	dius) (2004)
B85 Vehicle (Realistic min ra	dius) (2004)
B85 Vehicle (Realistic min rad	
	4.910m
Overall length	4.910m 1.870m
Overall length Overall width	dius) (2004) 4.910m 1.870m 1.421m 0.159m
Overall length Overall width Overall body height	4.910m 1.870m 1.421m
Overall length Overall width Overall body height Min body ground clearance	4.910m 1.870m 1.421m 0.159m

294

<sup>294</sup> 742.116 NZTA



#### Note 1

The dotted line about the vehicle depicts a 300mm clearance about the vehicle.

295

<sup>295</sup> 742.116 NZTA

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Total number of car park spaces being provided	Minimum number of accessible car park spaces
1-20	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

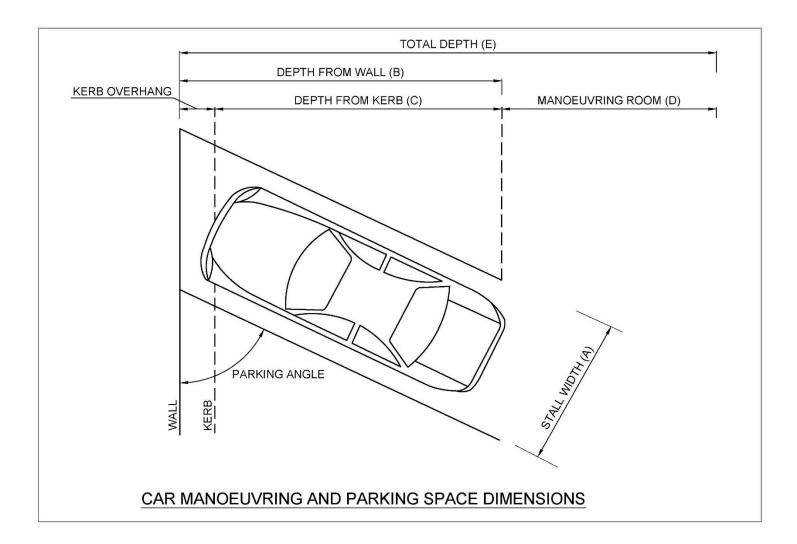
Activity	Number of bicycle spaces
All activities	Bicycle parking spaces are provided at a ratio of I bicycle space for every 10 car park spaces required.

### Table 14.12.5.11 – Car manoeuvring and parking space dimensions

Ту	pe of Parking	Stall Width (a)	Stall Depth		Aisle Width (d)	Total Depth (e)	
Parking	Туре		From Wall (b)	From Kerb (c)	-	One Row	Two Rows
Angle		ALL MEASUREME	ENTS ARE IN METRI	ES			
0°	Parallel	2.5	See Note I		3.5	5.9	8.3
30°	Nose in	2.5	4.2	4.0	3.5	7.7	11.9
45°	Nose in	2.5	4.9	4.5	3.5	8.4	13.3
60°	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
75°	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
90°	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

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### Table 14.12.5.12 – Queuing space

Minimum queuing length at each vehicle entrance		
No queuing space required.		
5.5m		
10.5m		
l 5.5m		
20.5m		
25.5m		
50m		

# Table 14.12.5.13 – Traffic generation Vehicle movement rates <sup>296</sup>

Activity	Indicative daily vehicle movements*						
Bulk retail and car yards	45 per 100m <sup>2</sup> gross floor area (GFA)						
Childcare - Early childhood education and day care facility <sup>142</sup>	4 per child the facility is designed to accommodate						
Dairies, takeaway food, bottle stores	100 per 100m <sup>2</sup> GFA						
Dwellings	10 per dwelling						
Garden centres	150 per 100m <sup>2</sup> GFA						
Health facility veterinary, and personal services	<u>79.</u> 4 <sup>297</sup> per professional the facility is designed to accommodate						
Hospitality services (e.g. cafés, bars)	90 per 100m <sup>2</sup> GFA						
Housing for the elderly/residential care	2 per resident the facility is designed to accommodate						
Industrial activities	30 per 100m <sup>2</sup> GFA						
Offices	25 per 100m <sup>2</sup> GFA						
Hospital	15 per patient bed the facility is designed to accommodate						
Retail activity	130 per 100m <sup>2</sup> GFA						
School	2 per student the primary school is designed to accommodate, or I per student the secondary school is designed to accommodate						
Service stations	700 per 100m <sup>2</sup> GFA						
Supermarket activity	130 per 100m <sup>2</sup> GFA						
Tertiary education facilities	2 per student the facility is designed to accommodate						
Travellers' accommodation	3 per bed the facility is designed to accommodate						

<sup>&</sup>lt;sup>296</sup> 781.8 Ministry of Education

<sup>&</sup>lt;sup>297</sup> 742.118 NZTA

\* 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, Te Kowhai Airpark 298, Rangitahi Peninsula and Motorsport and <u>Recreation</u> Zones) <sup>299</sup>

General						Seal V	Vidth		Bei	rms	General	
Road Type	Number of <mark>Allotments</mark> 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	Minimum Services (m)	Minimum Footpath / Shared path (m)	Kerb and Channel / Water-table	Turning Area for no exit roads (RTS 18 Vehicle)
				itions (Residential,	-	usiness Town Cer	ntre, Industrial and	Industrial Zones	Heavy <sup>300</sup> )			
Access leg to an <mark>allotment</mark> (Residential, Village)	1	N/A	8m Rigid	4	N/A							
Access leg to an <mark>allotment</mark> (Business and Industrial)	l	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 I.2m on at least one side		Nib on one side, mountable on other	Subject to specific design that has been certified
Private access, including ROWs and access allotments (Business and Industrial)	2 to 8	N/A		10	6		N/A	6		I	Mountable	Subject to specific design that has bee 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 bee 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)		I	19m Semi		9		Optional	9		I	I	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)		I	19m Semi	-	7		I	12		I	l	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

<sup>298</sup> 697.519 Waikato District Council <sup>299</sup> 697.78 Waikato District Council

<sup>300</sup> 697.518 Waikato District Council Proposed District Plan Stage I (Notified version)

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Arterial Road (Business and Industrial)											
Local roads in Lorenzen Bay Structure Plan Area	>8	50-80 (max)	N/A	17 (Complies with <mark>Figure</mark> 14.1.5.18)	6		2.5 metres on alternative sides	11	Subject to specific design that has been certified	1.5 metres on one Subject to specific side of the road design that has been certified	Yes
Roads in Te Kauwhata Structure Plan area	>	50-80 (max)	N/A	20	Refer to <mark>Figures 14.1.</mark>	5.19-14.1.5.21 (cross	s-sections)				

Notes:

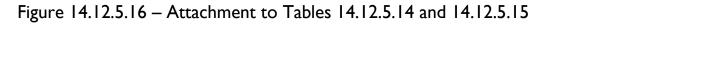
- The Regional Integrated Infrastructure Technical Specifications May 2018<sup>301</sup> contains further details on road width/design requirements.
- Figure 14.1.4.16 illustrates the various parts of the road (seal width, berm etc.) defined in Tables 14.12.4.14 and 14.12.4.15
- \*Accesses shall have a minimum height clearance of 4.0m and a maximum gradient of 1 in 5 (with minimum 4.0m transition ramps of 1 in 8) except where the access terminates less than 135m from the nearest road that has reticulated water supply (included hydrants). 302

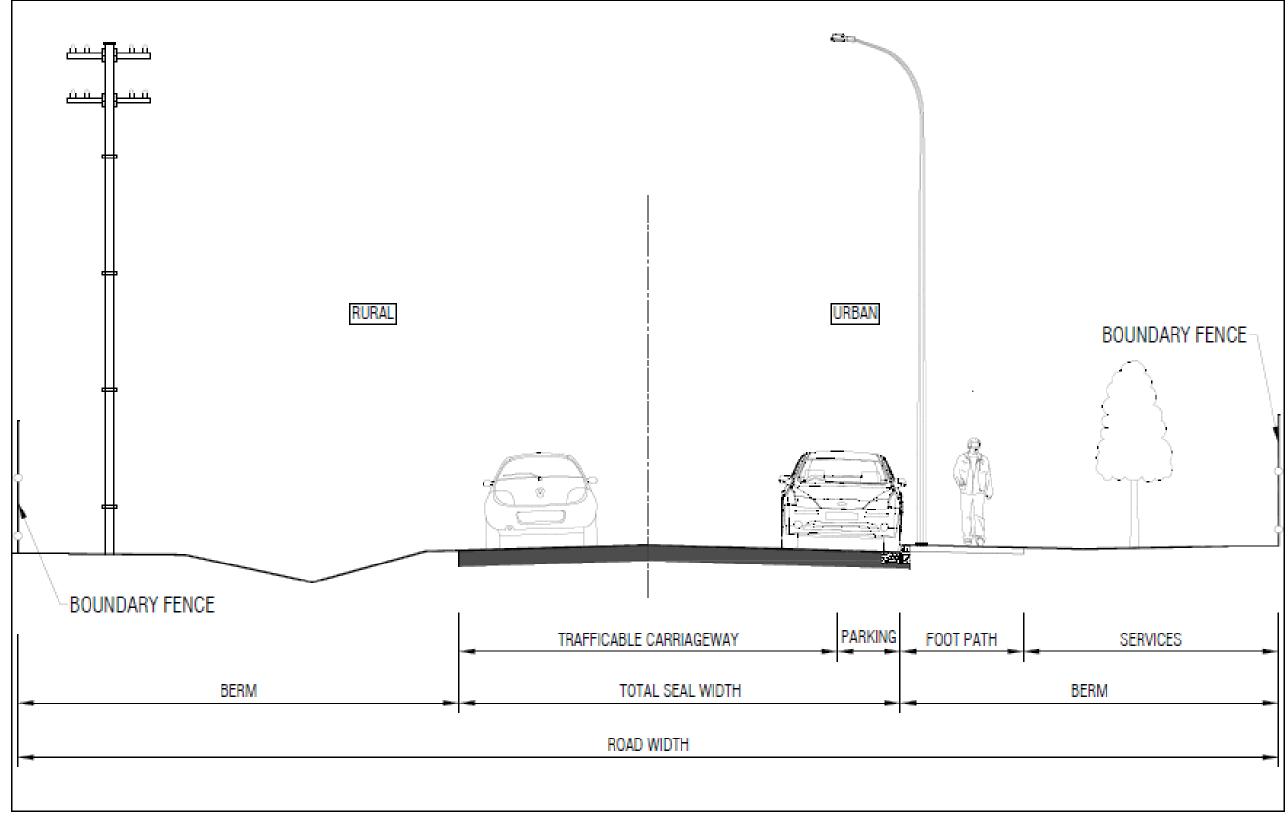
### Table 14.12.5.15 – Access and road conditions (Rural and Country Living Zones)

	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)	Kerb and Channel / Water-table	Turning area for no exit roads (RTS 18 Vehicle)
					Rural a	and Country Living	Zones					
Access leg to an <mark>allotment</mark>	I	N/A	8m Rigid	6	N/A							
Private access, including ROWs and <mark>access allotments</mark>	2 to 3	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		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			specific design that has been certified.	
Collector >1000 adt or Arterial	N/A	110	]	20	7	design that has been certified		10			has been cer uned.	N/A

#### Notes:

\*Accesses shall have a minimum height clearance of 4.0m and a maximum gradient of 1 in 5 (with minimum 4.0m transition ramps of 1 in 8) <sup>303</sup>

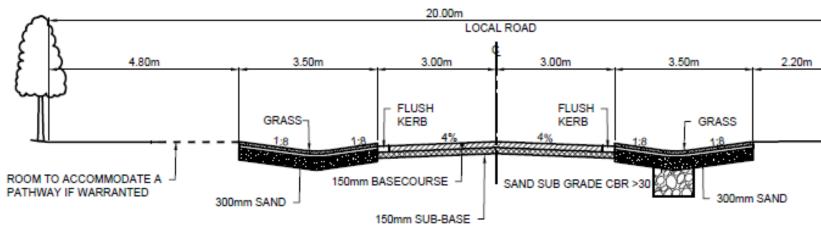




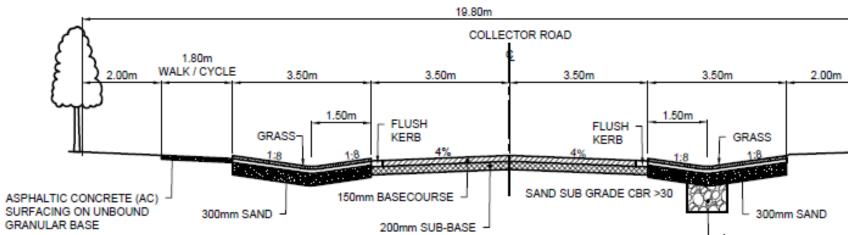
Note: The purpose of Figure 14.12.5.16 is to define the various aspects of the road as set out in Tables 14.12.5.14 and 14.12.5.15. Figure 14.12.5.16 is not intended to prescribe a preferred road layout.

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### 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

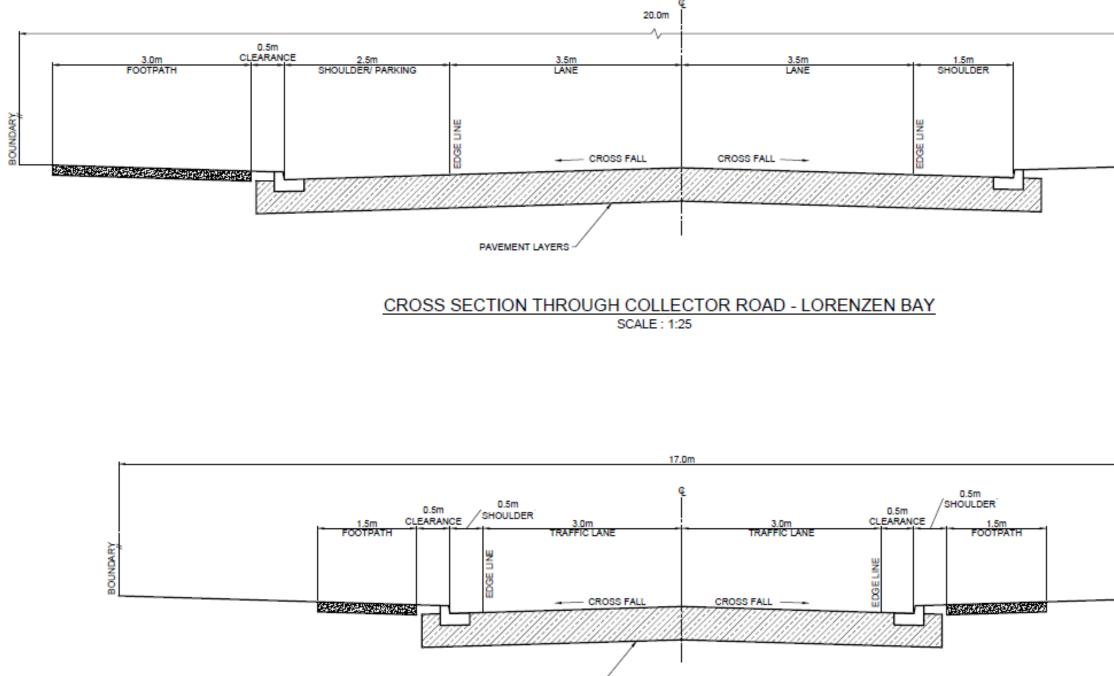


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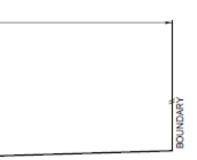


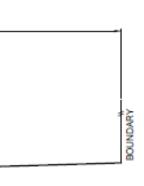
PAVEMENT LAYERS

### CROSS SECTION THROUGH MINOR ROAD - LORENZEN BAY

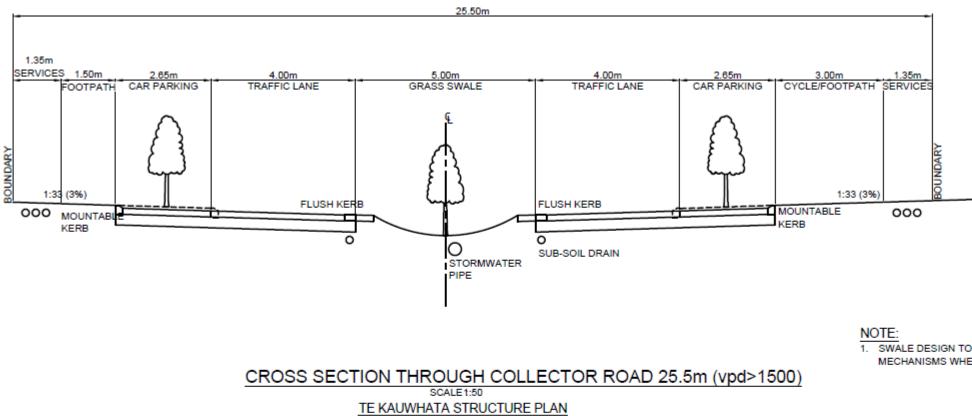
SCALE : 1:25





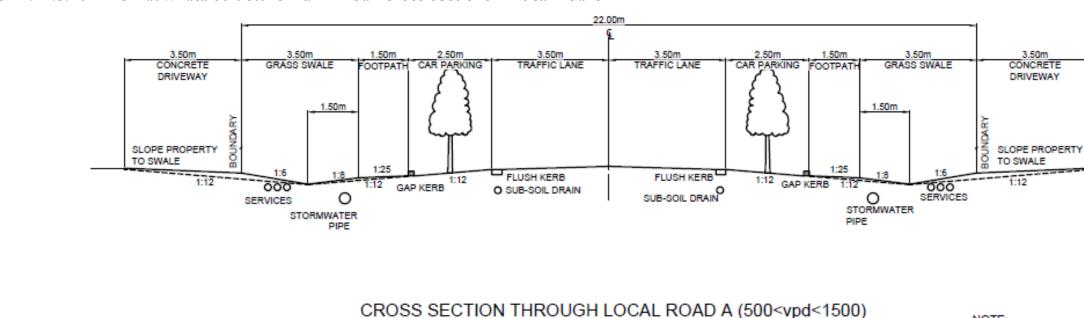




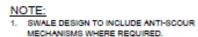


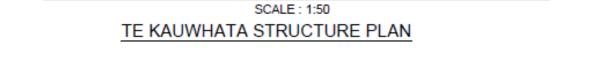
**....** SCALE 1:50

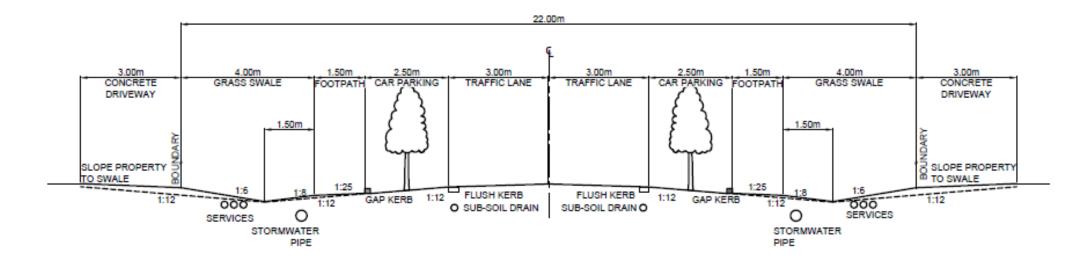
1. SWALE DESIGN TO INCLUDE ANTI-SCOUR MECHANISMS WHERE REQUIRED.



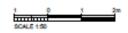
### Figure 14.12.5.20 – Te Kauwhata Structure Plan – Road cross sections – Local Roads

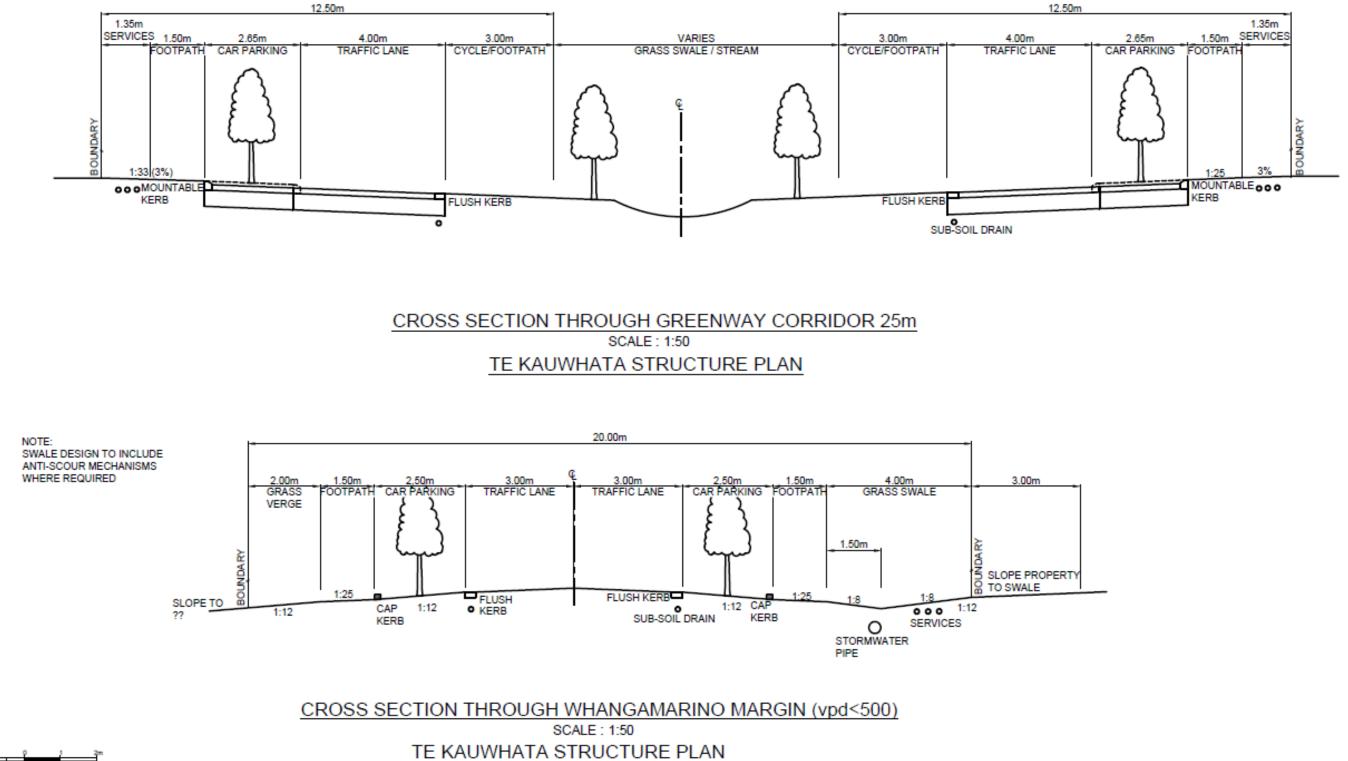






### CROSS SECTION THROUGH LOCAL ROAD B (vpd<500) SCALE : 1:50 TE KAUWHATA STRUCTURE PLAN





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



#### 14.12.5.22 Railway Level Crossing Sight Triangles and Explanations

Level Crossing Sight Triangles and Explanations

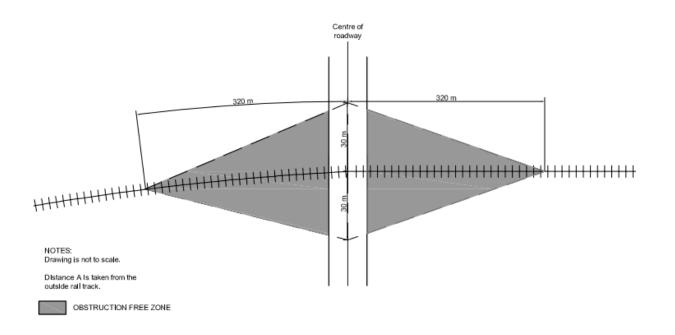
**Developments near Existing Level Crossings** 

It is important to maintain clear visibility around level crossings to reduce the risk of collisions. All the conditions set out in this standard apply during both the construction and operation stages of any development.

Approach sight triangles at level crossings with Give Way signs

On sites adjacent to rail level crossings controlled by Give Way signs, no building, structure or planting shall be located within the shaded areas shown in 14.12.5.22 Figure 1. These are defined by a sight triangle taken 30 metres from the outside rail and 320 metres along the railway track.

APPROACH SIGHT TRIANGLES AT RAILWAY LEVEL CROSSINGS



14.12.5.22 Figure 1: Approach Sight triangles for level crossings with "Give Way" Signs

Advice Note: The approach sight triangles ensure that clear visibility is achieved around rail level crossings with Give Way signs so that a driver approaching a rail level can either:

• See a train and stop before the crossing: or

• Continue at the approach speed and cross the level crossing safely.

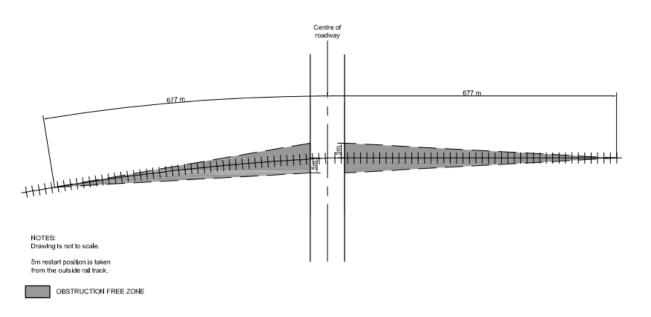
Of particular concern are developments that include shelter belts, tree planting, or series of building extensions. These conditions apply irrespective of whether any visual obstructions already exist.

No approach sight triangles apply for level crossings fitted with alarms and/or barrier arms. However, care should be taken to avoid developments that have the potential to obscure visibility of these alarm masts. This is particularly important where there is a curve in the road on the approach to the level crossing, or where the property boundary is close to the edge of the road surface and there is the potential for vegetation growth.

Restart sight triangles at level crossings

On sites adjacent to all rail level crossings, no building, structure or planting shall be located within the shaded areas shown in 14.12.5.22 Figure 2. These are defined by a sight triangle taken 5 metres from the outside rail and distance A along the railway track. Distance A depends on the type of control (14.12.5.22 Table 1).

RESTART SIGHT TRIANGLES AT RAILWAY LEVEL CROSSINGS



14.12.5.22 Figure 2: Restart Sight Triangles for all Level Crossings (except those fitted with train activities barriers)

#### 14.12.5.22 Table 1: Required Restart Sight Distances for Figure 2

Required approach visibility along tracks A (m)						
Signs only	Alarms only	Alarms and barriers				
<u>677 m</u>	<u>677 m</u>	<u>60m</u>				

Advice Note: The restart sight line triangles ensure that a road vehicle driver stopped at a level crossing can see far enough along the railway to be able to start off, cross and clear the level crossing safely before the arrival of any previously unseen train. Of particular concern are developments that include shelter belts, tree planting or series of building extensions. These conditions apply irrespective of whether any visual obstructions already exist.

Notes:

1. 14.12.5.22 Figures 1 and 2 show a single set of rail tracks only. For each additional set of tracks add 25 m to the along-track distance in Figure 1, and 50 m to the along-track distance in Figure 2.

2. All figures are based on the sighting distance formula used in NZTA Traffic Control Devices Manual 2008, Part 9 Level Crossings. The formulae in this document are performance based; however, the rule contains fixed parameters to enable easy application of the standard. Approach and restart distances are derived from a:

• train speed of 110 km/h

• vehicle approach speed of 20 km/h

- fall of 8 % on the approach to the level crossing and a rise of 8 % at the level crossing
- 25 m design truck length
- 90° angle between road and rail 304

<sup>&</sup>lt;sup>304</sup> 986.87 KiwiRail