

Chapter 14: Infrastructure and Energy

Proposed Waikato District Plan

Stage 1

(Recommended amended Council version on Panel direction of 4 November 2020)

Recommended amendments from s42A report shown as **red additions underlined and ~~deletions strikethrough~~**

Recommended amendments from Council rebuttal evidence shown as **blue additions underlined and ~~deletions strikethrough~~**

Amendments proposed as Panel direction of 4 November shown as **green additions underlined and ~~deletions strikethrough~~**



(a)

(b)

(c)

Contents

| | |
|--|----|
| Chapter 14: Infrastructure and Energy | 4 |
| 14.1 Introduction | 4 |
| 14.2 Rules applying to all infrastructure | 6 |
| 14.2.1 Permitted Activities | 6 |
| 14.2.2 Restricted Discretionary Activities | 7 |
| 14.2.3 Discretionary Activities | 8 |
| 14.2.34 Non-Complying Activities | 8 |
| 14.3 General infrastructure | 8 |
| 14.3.1 Permitted Activities | 8 |
| 14.3.2 Controlled Activities | 14 |
| 14.3.3 Restricted Discretionary Activities | 14 |
| 14.3.4 Discretionary Activities | 16 |
| 14.4 National Grid | 17 |
| 14.4.1 Permitted Activities | 17 |
| 14.4.2 Restricted Discretionary Activities | 21 |
| 14.4.3 Discretionary Activities | 22 |
| 14.4.4 Non-Complying Activities | 22 |
| 14.5 Electrical distribution | 23 |
| 14.5.1 Permitted Activities | 23 |
| 14.5.2 Restricted Discretionary Activities | 24 |
| 14.5.3 Discretionary Activities | 25 |
| 14.6 Electricity generation | 25 |
| 14.6.1 Permitted Activities | 25 |
| 14.6.2 Restricted Discretionary Activities | 27 |
| 14.6.3 Discretionary Activities | 27 |
| 14.6.4 Non-Complying Activities | 27 |
| 14.7 Liquid fuels and gas | 28 |
| 14.7.1 Permitted Activities | 28 |
| 14.7.2 Discretionary Activities | 29 |
| 14.8 Meteorological | 29 |
| 14.8.1 Permitted Activities | 29 |
| 14.8.2 Restricted Discretionary Activities | 29 |
| 14.8.3 Discretionary Activities | 30 |

| | | |
|------------------|--|----|
| 14.9 | Amateur radio | 31 |
| 14.9.1 | Permitted Activities..... | 31 |
| 14.9.2 | Restricted Discretionary Activities | 33 |
| 14.9.3 | Discretionary Activities | 33 |
| 14.10 | Telecommunications and radiocommunications..... | 33 |
| 14.10.1 | Permitted Activities | 34 |
| 14.10.2 | Controlled Activities | 38 |
| 14.10.3 | Restricted Discretionary Activities | 40 |
| 14.10.4 | Discretionary Activities..... | 41 |
| 14.11 | Water, wastewater and stormwater | 42 |
| 14.11.1 | Permitted Activities..... | 42 |
| 14.11.2 | Restricted Discretionary Activities | 46 |
| 14.11.3 | Discretionary Activities | 49 |
| 14.11.4 | Non-Complying Activities | 49 |
| 14.12 | Transportation | 50 |
| 14.12.1 | Permitted Activities | 50 |
| 14.12.2 | Restricted Discretionary Activities..... | 57 |
| 14.12.3 | Discretionary Activities..... | 62 |
| 14.12.5 | Transportation tables and figures | 63 |
| Table 14.12.5.1 | - Separation distances | 63 |
| Figure 14.12.5.2 | - Separation distances | 65 |
| Table 14.12.5.3 | - Minimum sight distances | 66 |
| Figure 14.12.5.4 | - Minimum sight distances..... | 69 |
| Table 14.12.5.5 | - Functions of roads within the Road Hierarchy | 71 |
| Table 14.12.5.6 | - Road Hierarchy list | 72 |
| Table 14.12.5.7 | - Required parking spaces and loading bays..... | 75 |
| Figure 14.12.5.8 | - 90 th Percentile car tracking curve minimum radius..... | 80 |
| Table 14.12.5.9 | - Required accessible parking spaces..... | 82 |
| Table 14.12.5.10 | - Required bicycle spaces | 82 |
| Table 14.12.5.11 | - Car manoeuvring and parking space dimensions..... | 83 |
| Table 14.12.5.12 | - Queuing space..... | 86 |
| Table 14.12.5.13 | - Traffic generation Vehicle movement rates | 87 |
| Table 14.12.5.15 | - Access and road conditions (Rural and Country Living Zones) | 91 |

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.¹
- (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~~² 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
 - l. Notable Trees
- (4) In the activity ~~tables-rules~~³ 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.^{4[OBJ]}

¹ 836.72 Powerco

² 697.520 Waikato District Council

³ 697.521 Waikato District Council

⁴ 697.523 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, unless located within an Identified Area other than the Urban Expansion Area, where the district plan rules for infrastructure may apply to regulated activities as per Regulation 56 of the NESTF.⁶
- (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.⁷
- (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.⁸

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

⁵ 697.524 Waikato District Council

- ⁶ RMA Schedule 1 clause 16(2) alteration

⁷ 559.148 Heritage NZPT

⁸ 680.274 FFNZ

| |
|--|
| 14.10 Telecommunications and radiocommunications |
| 14.11 Water, wastewater and stormwater |
| 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 NZCEP 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 NZCEP34:2001, 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. ⁹

(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. ¹⁰

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. ¹¹

| Activity | | Activity specific conditions |
|----------|---------------------------|--|
| PI | New infrastructure | 14.2.1.1 (1) Any new infrastructure activity and associated structures listed as a permitted activity within Chapter 14 must meet all of the following conditions: (a) Not exceed 10m² in area above ground; (b) Not exceed 2.5m in height; ¹² (c) Comply with the height in relation to boundary limits for the zone in which it is located; |

⁹ 576.68 Transpower

¹⁰ 576.68 Transpower

¹¹ 697.525 Waikato District Council

¹² 697.527 Waikato District Council]

| | | |
|----|--|---|
| | | <p>(d) Comply with the height in relation to boundary limits for the adjoining zone, if located in road or unformed road;</p> <p>(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.¹³</p> <p>(f) Any other relevant conditions applying to that activity listed within Rules 14.3–14.12.</p> <p>(2) The conditions in Rule 14.2.1.1(1) do not apply to:</p> <p>(a) Activities with specific conditions relating to area, height,¹⁴ location and noise listed elsewhere within Rules 14.3–14.12;</p> <p>(b) Roads or other lineal transport networks;</p> <p>(c) Road network activities, which include lighting and signage structures; and</p> <p>(d) Activities subject to National Environmental Standards Telecommunication Facilities 2016.</p> <p>(e) Support poles associated with service connections are exempt from height in relation to boundary rules¹⁵</p> |
| P2 | Construction noise | <p>14.2.1.2</p> <p>(1) Construction, maintenance, repair, replacement, upgrading or removal of infrastructure or the installation of new infrastructure must comply with NZS 6803:1999 Acoustics – Construction noise.</p> |
| P3 | Any activity emitting electric and magnetic fields | <p>14.2.1.3</p> <p>(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).</p> |
| P4 | Any activity emitting radio frequency fields | <p>14.2.1.4</p> <p>(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.</p> |

14.2.2 Restricted Discretionary Activities

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

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

¹³ 923.142 Waikato District Health Board

¹⁴ 697.527 Waikato District Council

¹⁵ 644.32 Spark; 646.32 Vodafone; 648.32 Chorus

| | | |
|-----|---|---|
| RD2 | Construction noise that does not comply with Rule 14.2.1.2 | Discretion is restricted to: (a) Effects on amenity values; (b) Hours of construction; (c) Noise levels; (d) Timing and duration; and (e) Methods of construction. |
|-----|---|---|

14.2.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

| | |
|----|---|
| DI | Any infrastructure not specifically listed provided for as a permitted, restricted discretionary or non-complying activity ¹⁶ within Chapter 14, including associated earthworks , not located within an Identified Area |
|----|---|

14.2.34 Non-Complying Activities

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

| | |
|-----|---|
| NC1 | 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 ¹⁷ 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.¹⁸

| Activity | | Activity specific conditions |
|----------|--|------------------------------|
| PI | The operation, maintenance, repair and removal of existing infrastructure | Nil |

¹⁶ 742.86 NZTA

¹⁷ 742.86 NZTA

¹⁸ 576.25 Transpower

| | | |
|----|--|---|
| P2 | Minor upgrading of existing infrastructure | <p>14.3.1.1</p> <p>(1) The realignment, configuration, relocation or replacement of infrastructure and associated structures that meet all of the following conditions:</p> <ul style="list-style-type: none"> (a) Are within 5m of the existing alignment or location; (b) Do not increase the height of any existing pole or support structure by more than +5%-40% to a maximum height of 20m in all zones except the Rural Zone, Industrial Zone, Industrial Zone Heavy¹⁹ and Motor Sport and Recreation Zone;²⁰ (c) Do not increase the diameter (width) of any existing pole or support structure by more than +5-50% or 100% increase in the case of a double pole in ALL zones;²¹ (d) Do not increase the diameter of any existing above-ground pipe by more than +5%300mm; and²² (e) Do not increase the area of any existing above-ground structure by more than +5%25%.²³ <p>(2) Alterations and additions to overhead electricity and telecommunication lines on existing poles or support structures involving any of the following:</p> <ul style="list-style-type: none"> (a) The addition of conductors to form a twinned or duplex-pairing; (b) The reconductoring of the line with higher capacity conductors; (c) The resagging of conductors; (d) The addition of longer, more efficient insulators; (e) The addition of earth wires (which may contain telecommunication lines), earthpeaks and lightning rods; (f) The addition, replacement or relocation of transformers or visually similar fixtures;²⁴ (g) The addition, replacement or relocation of circuits and conductors; (h) The addition or replacement of telecommunication lines and fittings; (i) The replacement of existing crossarms with crossarms of an alternative design; (j) The increase in voltage of electric lines up to 110kV; or (k) The installation of mid-span electricity poles in existing networks to address clearances in New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 (NZECP34:2001). <p>(3) The addition, replacement or relocation of existing antennas where:</p> <ul style="list-style-type: none"> (a) The antennas shall not increase in the largest face area by more 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; and²⁵ |
|----|--|---|

¹⁹ 697.518 Waikato District Council

²⁰ 580.4 Meridian Energy; 692.6 WEL Networks; 648.33 Chorus; 646.33; Vodafone; 644.33 Spark

²¹ 580.4 Meridian Energy; 692.6 WEL Networks; 648.33 Chorus; 646.33; Vodafone; 644.33 Spark

²² 423.17 Watercare; 405.24 Counties Power

²³ 423.17 Watercare; 405.24 Counties Power; 692.6 WEL Networks

²⁴ 405.25 Counties Power

²⁵ 648.33 Chorus; 646.33; Vodafone; 644.33 Spark

| | | |
|----|---|---|
| | | <p>(b) The antennas shall not increase in height by more than 20% of the relevant permitted standard for new dish and panel antennas.²⁶</p> <p><u>Except that this rule shall not restrict the size of an antenna that would otherwise comply with the permitted activity rules applying to new antennas.</u>²⁷</p> <p>Earthworks activities associated with the minor upgrading of existing infrastructure must comply with the conditions of Rule 14.3.1.3.</p> <p>(4) The minor upgrading of existing infrastructure must not remove any tree identified in Schedule 30.2.</p> <p>(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.</p> <p><u>(6) The conditions in Rule 14.3.1.1(1) do not apply to road network activities or other lineal transport networks.</u>²⁸</p> |
| P3 | Temporary infrastructure | <p>14.3.1.2</p> <p>(1) Installation and operation of temporary infrastructure that meets all of the following conditions:</p> <p>(a) Any buildings and/or structures must be removed from the site on completion of the works;</p> <p>(b) The ground must be reinstated on completion of works; and</p> <p>(c) The activity, including the requirements of Rule 14.3.1.2(1) (a) and (b), must not exceed 12 months in total.</p> |
| P4 | Earthworks activities associated with infrastructure | <p>14.3.1.3</p> <p>Any earthworks associated with infrastructure, <u>including formation and maintenance of access tracks,</u>²⁹ must comply with all of the following conditions:</p> <p>(a) Do not exceed a volume of more than 2,500m³ for any single activity;</p> <p>(b) Do not exceed an area of more than 2,500m² for any single activity;</p> <p>(c) Within 10m of a watercourse (<u>excluding artificial watercourses</u>)³⁰ or 20m of Mean High Water Springs do not exceed a volume of more than 5m³ and an area of more than 5m² for any single activity, <u>excluding existing rail infrastructure;</u>³¹</p> |

²⁶ 648.33 Chorus; 646.33; Vodafone; 644.33 Spark

- ²⁷ 648.33 Chorus; 646.33 Vodafone, 644.33 Spark

²⁸ 697.529 Waikato District Council

- ²⁹ 576.29 Transpower

³⁰ 742.89 NZTA

³¹ 986.83 KiwiRail

| | | |
|----|---|---|
| | | <p>(d) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the earthworks activity;</p> <p>(e) All fill material used must be clean fill;</p> <p>(f) Areas exposed by earthworks activities are to be recontoured and replanted within 6 months of the commencement of the earthworks;</p> <p>(g) Earthworks shall not obstruct or divert any stormwater overland flow path or in such a way as to³² result in changed stormwater drainage patterns on another site.</p> <p>(h) Earthworks are not located within: any Historic Heritage sites identified within Appendix Schedule 30.1; any Maori 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.³³</p> <p>(2) 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.</p> <p>(3) Earthworks associated with infrastructure in Landscape and Natural Character Areas must not:</p> <p>(a) Exceed 1.5m in height in relation to the cut or fill batter face; and</p> <p>(b) Use imported soil, other than the placement of aggregate/metal on any access track or in association with laying underground infrastructure <u>or for land transport network infrastructure</u>³⁴; and</p> <p>(c) 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</p> <p>(d) 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</p> <p>(e) 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. <u>Rule 14.3.1.3(3)(e) shall not apply to earthworks associated with land transport network infrastructure.</u>³⁵</p> |
| P5 | Trimming, maintenance or removal of vegetation or trees associated with infrastructure | <p>14.3.1.4</p> <p><u>(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;</u>³⁶ <u>and any trimming, maintenance or removal of vegetation or trees associated with infrastructure, including access tracks,</u>³⁷ <u>that meet all of the following conditions:</u></p> |

³² 405.27 Counties Power

³³ 559.150 Heritage NZPT; 697.530 & 697.531 Waikato District Council; 644.34 Spark & 646.34 Vodafone & 648.34 Chorus

- ³⁴ 986.82 KiwiRail

- ³⁵ 986.82 KiwiRail

³⁶ 692.9 WEL Networks

³⁷ 576.30 Transpower

| | | |
|----|---|--|
| | | <p>(a) No tree identified in Schedule 30.2 is removed;</p> <p>(b) Any required trimming of a tree identified in Schedule 30.2 is either:</p> <p>(i) To remove dead, dying, or diseased branches and the tree work is undertaken by a works arborist; or</p> <p>(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.</p> <p>(c) <u>Any indigenous vegetation alteration or removal within a Significant Natural Area must not:</u></p> <p>(i) <u>Include any trees over 6m in height or 600mm in girth at a height of 1.4m; and</u></p> <p>(ii) <u>Exceed 50m² per site over any consecutive 12 month time period.</u>³⁸</p> <p>(2) Any trimming, maintenance or removal of vegetation or trees associated with infrastructure, including access tracks,³⁹ that meet all of the following conditions:</p> <p>(2) 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.</p> <p>⁴⁰</p> <p>Note: Trimming, maintenance or removal of vegetation or non-notable trees in and around electrical assets are required to be shall be managed⁴¹ in accordance with the Electricity (Hazards from Trees) Regulations 2003.</p> |
| P6 | Pipe and cable bridge structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and gas | <p>14.3.1.5</p> <p>(1) Pipe and cable bridge structures that meet all of the following conditions:</p> <p>(a) Do not exceed 25m total length;</p> <p>(b) Do not exceed 1m width;</p> <p>(c) Do not exceed 1m depth;</p> <p>(d) Are not located in an Identified Area.</p> |
| P7 | Electric vehicle chargers | <p>14.3.1.6</p> <p>(1) Electric vehicle chargers that meet all of the following conditions:</p> <p>(a) Do not exceed maximum height of 1.8m 2.5m each;⁴²</p> <p>(b) Do not exceed a maximum area of 1.5m² each;</p> <p>(c) Have a socket connection, or a fitted cable management accessory;</p> <p>(d) Have at least one formed car park (in accordance with the relevant requirements of Table 14.12.5.1.1) per connection or charging cable if the site is located outside the road;⁴³</p> |

³⁸ 81.246 Waikato Regional Council

³⁹ 576.30 Transpower

⁴⁰ 576.30 Transpower

⁴¹ 419.142 Hort NZ

⁴² 692.11 WEL Networks

⁴³ 692.11 WEL Networks

| | | |
|-----|---|---|
| | | (e) (c) Are not located in an Identified Area. ⁴⁴ |
| P8 | Service connections | 14.3.1.7 |
| P9 | Minor infrastructure structure | (1) There is no connection to an area, façade or item specifically listed in Schedule 30.1. |
| P10 | Closed-circuit television (CCTV) systems attached to existing buildings and structures | |
| P11 | Signage associated with infrastructure required for health and safety or asset identification purposes and/or required by legislation | Nil |
| P12 | Service connections for subdivision | <p>14.3.1.8</p> <p>(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:</p> <ul style="list-style-type: none"> (a) Wastewater; (b) Water supply; (c) Stormwater (a management system that complies with Rule 14.11.1.1); (d) Electricity supply; (e) Telecommunications that is hard-wired or wireless; and (f) Vehicle access that complies with Rule 14.12.1.1. <p>(2) Rule 14.3.1.8(1)(a) does not apply to any allotment that is served by a site-contained wastewater system in accordance with Rule 14.11.1.3.</p> <p>(3) Within all zones, except the Rural, and Country Living and Village Zones where there is no reticulated water supply, ⁴⁵ 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. ⁴⁶</p> <p><u>(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</u></p> |

⁴⁴ 692.11 WEL Networks

⁴⁵ 397.4 Horotiu Properties Limited; 602.38 Greig Metcalfe

⁴⁶ 378.15 FENZ

| | | |
|--|--|---|
| | | <p><u>purposes in accordance with New Zealand Fire Service Firefighting Water Services Code of Practice SNZ PAS 4509:2008.</u> ⁴⁷</p> <p><u>(5) Rule 14.3.1.8(1)(b) and (c) do not apply to any Rural or Country Living Zone site.</u> ⁴⁸</p> |
|--|--|---|

14.3.2 Controlled Activities

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

| Activity | Activity specific conditions | Matters of control |
|--|--|--|
| CI Subdivision to create a utility allotment for accommodating infrastructure | 14.3.2.1 (1) Is undertaken by a network utility operator as defined by the Resource Management Act 1991; and (2) Is for infrastructure permitted under Chapter 14; or (3) Is for infrastructure that has all necessary resource consents granted or notices of requirement confirmed. ⁴⁹ | Control is reserved over: (a) The adequacy of the allotment for its intended use; (b) Whether any easement is required. |

14.3.3 Restricted Discretionary Activities

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

| Activity | Matters of Discretion |
|--|--|
| RDI Minor upgrading of existing infrastructure that does not comply with one or more of the conditions of Rule 14.3.1.1 which are relevant to the activity proposed | Discretion is restricted to: <ol style="list-style-type: none"> i. The functional and operational needs of, and benefits derived from, the infrastructure; ii. Visual, streetscape and amenity effects; iii. Transport road ⁵⁰ network safety and efficiency; iv. Management of sediment and dust, including the staging of works; v. The volume, extent and depth of the earthworks activities; ⁵¹ vi. The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site; vii. Any flood or land stability risks; ⁵² |

⁴⁷ 378.15 FENZ

⁴⁸ 697.532 Waikato District Council

⁴⁹ 697.536 Waikato District Council

⁵⁰ 742.91 NZTA

⁵¹ 697.1 Waikato District Council

⁵² 697.1 Waikato District Council

| | | |
|-----|---|--|
| | | <p>viii. Visual, landscape and amenity effects;⁵³</p> <p>ix. Whether alternative methodologies avoiding the need to affect any tree identified in Schedule 30.2 have been adequately considered.⁵⁴</p> |
| RD2 | <p>Earthworks associated with infrastructure that do not comply with one or more of the conditions of Rule 14.3.1.3</p> | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) Management of sediment and dust, including the staging of works; (b) The volume, extent and depth of the earthworks activities; (c) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site, including Maaori Sites and Areas of Significance and any Heritage Items;⁵⁵ (d) Any flood or land stability risks; and (e) Visual, landscape and amenity effects. |
| RD3 | <p>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</p> | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) The extent of the works required; (b) Effects on the values, qualities and characteristics of any tree identified in Schedule 30.2 or any Significant Natural Area⁵⁶; (c) Whether alternative methodologies avoiding the need to affect the tree(s)/vegetation have been adequately considered. (d) land transport network safety and efficiency⁵⁷ |
| RD4 | <p>Pipe and cable bridge structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and gas:</p> <ul style="list-style-type: none"> (a) That do not comply with one or more of the conditions of Rule 14.3.1.5; or (b) Are located within Identified areas | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) Public safety; (a) Effects on the values, qualities and characteristics of any Identified Area. |
| RD5 | <p>Electric vehicle charging stations located:</p> <ul style="list-style-type: none"> (a) That do not comply with one or more of the conditions of Rule 14.3.1.6; or (b) Are located within Identified areas. | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) Road-Land transport network safety and efficiency,⁵⁸ (d) Public safety; (b) Effects on the values, qualities and characteristics of any Identified Area. |
| RD6 | <p>The following activities that does not comply with Rule 14.3.1.7:</p> <ul style="list-style-type: none"> (a) CCTV systems attached to existing buildings and structures (b) Service connections (c) Minor infrastructure structures. | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) The functional and operational needs of, and benefits derived from, the activity, and (b) Effects on the specific values, qualities and characteristics of the item specifically listed in Schedule 30.1. |

⁵³ 697.537 Waikato District Council

⁵⁴ 697.1; 697.537 Waikato District Council

⁵⁵ 559.154 Heritage NZPT

⁵⁶ 81.246 Waikato Regional Council

⁵⁷ 742.93 NZTA

⁵⁸ 742.94 NZTA

| | | |
|------------|--|---|
| <p>RD7</p> | <p><u>Access and service connections for subdivision that do not comply with one or more of the conditions of 14.3.1.8</u></p> | <p><u>Discretion is restricted to:</u></p> <ul style="list-style-type: none"> <u>a) The adequacy of the service connection;</u> <u>b) The functional and operational needs of, and benefits derived from, the infrastructure;</u> <u>c) Site design, layout and amenity;</u> <u>d) Visual, streetscape and amenity effects; and for vehicle access;</u> <u>e) Land transport network safety and efficiency;</u> <u>f) The extent to which the safety and efficiency of rail and road operations will be adversely affected, including:</u> <ul style="list-style-type: none"> <u>i. The outcome of any consultation with KiwiRail; NZTA; Waikato District Council, as the rail or road controlling authority;</u> <u>ii. Any characteristics of the proposed use that will make compliance unnecessary;</u> <u>g) Traffic generation by the activities to be served by the vehicle access;</u> <u>h) Mitigation to address safety and/or efficiency of vehicle access, including access clearance requirements for fire-fighting purposes;</u> <u>i) The foreseeable needs for access by emergency services and their vehicles;</u> <u>j) Location, design, construction and materials of the vehicle access;</u> <u>k) Safety for all users of the vehicle access and/or intersecting road including but not limited to vehicle occupants or riders and pedestrians.</u> ⁵⁹ |
|------------|--|---|

14.3.4 Discretionary Activities

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

| | |
|----------------------|---|
| <p>D+</p> | <p>Activities and permanent structures or facilities located within road or unformed road not provided as road network activities under Rule 14.12.1 ⁶⁰</p> |
|----------------------|---|

⁵⁹ 749.72 HN2C and copied from 14.12.2 RD1 (as amended in response to other submissions)

⁶⁰ 697.2 Waikato District Council

| | |
|-----------------|---|
| | [and re-number remaining discretionary activities]. |
| D2 1 | Temporary infrastructure that does not comply with one or more of the conditions of Rule 14.3.1.2 |
| D3 | Access and service connections for subdivision that do not comply with one or more of the conditions of Rule 14.3.1.8 ⁶¹ |
| D4 2 | Subdivision to create a utility allotment for accommodating infrastructure that does not comply with one or more of the conditions of Rule 14.3.2.1 |

14.4 National Grid

[National Grid rules may be amended further]

14.4.1 Permitted Activities

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

| Activity | Activity specific conditions |
|---|--|
| PI Buildings, structures and sensitive land uses within the National Grid Yard in existing Residential or Village Zones as of 18 July 2018 | 14.4.1.1 (1) Within the National Grid Yard in the Residential or Village Zone: (a) Building alterations and additions to an existing building or structure for a sensitive land use that does not involve an increase in the building height or footprint; (b) New, or additions to existing buildings and-or structures that are not for a sensitive land use; ⁶² (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. (d) Fences less than 2.5m in height ⁶³ (2) All buildings or structures permitted by Rule 14.4.1.1(1) must: (a) Comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 under all National Grid transmission line operating conditions; (b) Locate a minimum of 12m from the outer visible foundation of any National Grid support structure tower and a minimum 12m from any pole and associated stay wire, unless it is one of the following: i. A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the New Zealand Electrical Code of |

⁶¹ 749.72 HNZA

⁶² 576.53 Transpower

⁶³ 576.53 Transpower

| | | |
|-----------|---|---|
| | | <p style="text-align: center;"><u>Practice for Electrical Safe Distances</u> <u>NZECPS 34:2001 ISSN 0114-0663</u> ⁶⁴</p> <p>(e) The maximum height of fences are 2.5m within 5m from the nearest National Grid Pole or 6m from the nearest National Grid Tower.</p> <p><u>ii. Fences less than 2.5m in height and located a minimum of 5m from the nearest National Grid support structure foundation</u></p> <p><u>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.</u></p> <p><u>(c) Not permanently physically impede existing vehicular access to a National Grid support structure.</u> ⁶⁵</p> |
| <p>P2</p> | <p>Buildings, structures and sensitive land use within the National Grid Yard in all other zones as of 18 July 2018</p> | <p>14.4.1.2</p> <p>(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 ⁶⁶ Airpark, or Reserves Zone <u>or Coal Mining Area, Aggregate Extraction Area or Aggregate Resource Area.</u>^{67,68}</p> <p>(a) Building alterations and additions to an existing building or structure that does not involve an increase in the building height or footprint; or</p> <p>(b) Infrastructure (other than for the reticulation and storage of water for irrigation purposes) undertaken by a network utility operator as defined in the Resource Management Act 1991; or</p> <p>(c) Non-habitable buildings or structures for farming activities in rural zones <u>including accessory structures and yards for milking/dairy sheds</u> (but not including any intensive farming buildings, commercial greenhouses and milking/dairy sheds); ⁶⁹ or</p> <p>(d) Yards for milking/dairy sheds <u>Non-habitable horticultural buildings</u>; or ⁷⁰</p> <p>(e) Artificial crop protection and support structures <u>(excluding commercial greenhouses and Pseudomonas syringae pv. Actinidiae (Psa) disease control structures)</u>; ⁷¹</p> <p><u>(f) Fences less than 2.5m in height.</u> ⁷²</p> <p><u>(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</u></p> |

⁶⁴ 576.53 Transpower

⁶⁵ 576.53 Transpower

⁶⁶ 697.519 Waikato District Council

⁶⁸ 576.54 Transpower

⁶⁹ 576.54 Transpower

⁷⁰ 576.54 Transpower

⁷¹ 576.54 Transpower

⁷² 576.54 Transpower

| | | |
|--|--|--|
| | | <p><u>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.</u>⁷³</p> <p>(2) All buildings or structures permitted by Rule 14.4.1.2(1) must:</p> <p>(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</p> <p>(b) Locate a minimum 12m from the outer visible foundation of any National Grid support structure foundation tower and locate a minimum 12m from any pole⁷⁴ and associated stay wire, unless it is:</p> <p>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;⁷⁵ or</p> <p>ii. Fences <u>less than 2.5m in height and located a minimum of 5m from the nearest National Grid support structure foundation</u>;⁷⁶ or</p> <p>iii. Artificial crop protection. 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; and⁷⁷</p> <p><u>(c) Not permanently physically impede existing vehicular access to a National Grid support structure</u>⁷⁸</p> <p>(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.⁷⁹</p> <p>(3) Artificial crop protection <u>structures</u> and support structures between 8m and 12m from a <u>single-pole support structure but not a tower</u> and any associated guy wire (but not tower) <u>must that</u>;⁸⁰</p> <p>(a) Meet the requirements of the New Zealand Electrical Code of Practice for Electrical Safe Distances NZECP⁸¹ 34:2001 ISSN 0114-0663 for separation distances from the conductor;</p> <p>(b) Be <u>Are no higher than maximum 2.5m-high</u>;⁸²</p> <p>(c) Be <u>Are</u>⁸³ 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;</p> |
|--|--|--|

⁷³ 680.282 FFNZ

⁷⁴ 576.54 Transpower

⁷⁵ 576.54 Transpower

⁷⁶ 576.54 Transpower

⁷⁷ 576.54 Transpower

⁷⁸ 576.54 Transpower

⁷⁹ 576.54 Transpower

⁸⁰ 576.54 Transpower

⁸¹ 576.54 Transpower

⁸² 576.54 Transpower; 697.5 Waikato District Council

⁸³ 576.54 Transpower

| | | |
|----|---|--|
| | | (d) Allow all-weather access to the pole and a sufficient area for maintenance equipment, including a crane. |
| P3 | Earthworks activities within the National Grid Yard | <p>14.4.1.3</p> <p>(1) Earthworks within the for⁸⁴ National Grid Yard support poles and any stay wires⁸⁵ that comply with all of⁸⁶ the following conditions:</p> <p>(a) Do not exceed a depth (measured vertically)⁸⁷ of 300mm within 1.2m of the outer visible edge of any National Grid support structure foundation, 2.2m of the pole or stay wire; and⁸⁸</p> <p>(b) Do not exceed a depth of 750mm between 2.2m and 5m of the pole or stay wire.⁸⁹</p> <p>(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:</p> <p>(a) Do not exceed 300mm depth within 6m of the outer edge of the visible foundation of the tower;</p> <p>(b) Do not exceed 3m between 6m and 12m of the outer edge of the visible foundation of the tower;⁹⁰</p> <p>(b) Are not located within an Identified Area;⁹¹</p> <p>(c) Do not compromise the stability of a National Grid support structure;</p> <p>(d) Do not result in the loss of access to any National Grid support structure; and</p> <p>(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 (measured 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 0114-0663.⁹²</p> <p>(3) (2) The following earthworks activities are exempt from Rules 14.4.1.3(1)(a) and (2):⁹³</p> <p>(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;</p> <p>(b) Earthworks undertaken as part of agricultural or domestic cultivation, or repair, sealing or resealing of a road, footpath, driveway or farm track;</p> <p>(c) Vertical holes not exceeding 500mm in diameter that:</p> <p>i. are more than 1.5m from the outer edge of the pole support structure or stay wire, or</p> |

⁸⁴ 576.55 Transpower

⁸⁵ 576.55 Transpower

⁸⁶ 697.7 Waikato District Council

⁸⁷ 576.55 Transpower

⁸⁸ 576.55 Transpower

⁸⁹ 576.55 Transpower

⁹⁰ 576.55 Transpower

⁹¹ 559.156 Heritage NZPT

⁹² 576.55 Transpower

⁹³ 576.55 Transpower

| | | |
|--|--|---|
| | | <p>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;</p> <p>(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 0114-0663.⁹⁴</p> |
|--|--|---|

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 |
|----------|---|---|
| RD1 | Below ground transmission lines associated with the National Grid not located within identified areas | Discretion is restricted to: <ul style="list-style-type: none"> (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) The risk of electrical hazards affecting public or individual safety, and risk of property damage. |
| RD2 | Transformers, substations and switching stations associated with the National Grid not located within Identified Areas | |
| RD3 | Earthworks within the National Grid Yard that does not comply with one or more of the conditions (a) of Rule 14.4.1.3(1) or and Rule 14.4.1.3(2) but complies with conditions (b) (c) (d) and (e) of Rule 14.4.1.3(2) ⁹⁵ | Discretion is restricted to: <ul style="list-style-type: none"> (a) Impacts on the operation, maintenance, upgrading and development of the National Grid; (b) The risk to the structural integrity of the affected National Grid support structure(s); (c) Any impact on the ability of the National Grid owner (Transpower) to access the National Grid; (d) The risk of electrical hazards affecting public or individual safety, and the risk of property damage. (e) <u>Technical advice provided by the National Grid owner (Transpower);</u> (f) <u>Any effects on National Grid support structures including the creation of an unstable batter.</u>⁹⁶ |
| RD4 | <p>14.4.2.1</p> <p>The subdivision of land in any zone within the National Grid Subdivision⁹⁷ Corridor that complies with all of the following conditions:</p> <ul style="list-style-type: none"> (a) All resulting allotments intended to contain a sensitive land use must | Discretion is restricted to: <ul style="list-style-type: none"> (a) The subdivision layout and design in regard to how this may impact on the operation, maintenance, upgrading and development of, <u>including access to,</u>⁹⁹ the National Grid; |

⁹⁴ 576.55 Transpower

⁹⁵ 576.58 Transpower

⁹⁶ 576.58 Transpower

⁹⁷ 576.39; 576.40 Transpower

⁹⁹ 576.59 Transpower

| | | |
|--|--|---|
| | <p>provide be able to demonstrate that they are capable of accommodating a building platform for the likely principal building(s) and any building(s) for a sensitive land use to be located outside of the National Grid Yard, other than where the allotments are for roads, access ways or infrastructure; or and⁹⁸</p> <p>(b) The layout of allotments and any enabling earthworks must ensure that physical access is maintained to any National Grid support structures located on the allotments, including any balance area.</p> | <p>(b) The ability to provide a complying building platform outside of the National Grid Yard;</p> <p>(c) The risk of electrical hazards affecting public or individual safety, and the risk of property damage;</p> <p>(d) The nature and location of any vegetation to be planted in the vicinity of National Grid transmission lines, and the how such landscaping will impact on the operation, maintenance, upgrade and development (including access) of the National Grid;¹⁰⁰</p> <p>(e) The risk to the structural integrity of the National Grid;¹⁰¹</p> <p>(f) The extent to which the subdivision design and consequential development will minimise the potential reverse sensitivity on and amenity and nuisance effects of the National Grid asset.¹⁰²</p> |
|--|--|---|

14.4.3 Discretionary Activities

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

| | |
|---------------|--|
| D1 | New above and ¹⁰³ below ground transmission lines associated with the National Grid within Identified Areas |
| D2 | New above-ground transmission lines associated with the National Grid not located within identified areas |
| D3 | Buildings and structures for non-sensitive land uses and Earthworks within the National Grid Yard which are also within an Identified Area ¹⁰⁴ |

14.4.4 Non-Complying Activities

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

| | |
|----------------|---|
| NC1 | Earthworks within the National Grid Yard that is not a permitted activity under Rule 14.4.1 P1 P3 or a restricted discretionary activity under Rule 14.4.2 RD3 or a discretionary activity under Rule 14.4.3 D3 ¹⁰⁵ |
| NC1 | Above-ground transmission lines associated with the National Grid located within identified areas ¹⁰⁶ |

⁹⁸ 576.59 Transpower

¹⁰⁰ 576.59 Transpower

¹⁰¹ 576.59 Transpower

¹⁰² 576.59 Transpower

¹⁰³ 576.60 Transpower; 576.62 Transpower

¹⁰⁴ 559.156 Heritage NZPT; 81.246 Waikato Regional Council

- ¹⁰⁵ 576.66 Transpower

¹⁰⁶ 576.60 Transpower; 576.62 Transpower

| | |
|-----------------|--|
| NC2 | Transformers, S ubstations ¹⁰⁷ and switching stations associated with the National Grid located within Identified Areas identified areas ¹⁰⁸ |
| 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, or addition to an existing building that involves an increase in the building envelope or height for a sensitive land use, ¹⁰⁹ 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 (excluding accessory structures and buildings), commercial greenhouses, Pseudomonas syringae pv. Actinidiae (Psa) disease control structures , ¹¹⁰ 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 |
| NC11 | Earthworks within the National Grid Yard that is not a permitted activity under Rule 14.4.1 P3 or a restricted discretionary activity under Rule 14.4.2 RD3 or a discretionary activity under Rule 14.4.3 D4. ¹¹¹ |

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 ¹¹²

| Activity | | Activity specific conditions |
|----------|--|---|
| P1 | Below ground distribution lines | Nil |
| P2 | Overhead distribution lines and support structures within the Rural Zone | 14.5.1.1 (a) Overhead distribution lines and support structures that comply with the following: |
| P3 | Overhead distribution lines and support structures within road or unformed road located adjacent to the Rural Zone | (i) Do not exceed a voltage up to and including 110kV; and (ii) Do not exceed a maximum height of 25m; or (iii) Do not exceed a maximum height of 30m for co-location of at least two operators; and (iv) Are not located within an Identified Area. |

¹⁰⁷ 576.61 Transpower

¹⁰⁸ 697.12 Waikato District Council

- ¹⁰⁹ 576.63 Transpower

- ¹¹⁰ 576.64 Transpower

¹¹¹ 576.66 Transpower

¹¹² 697.21 Waikato District Council

| | | |
|----|--|--|
| P4 | Substations and associated transformers and switching stations | <p>14.5.1.2</p> <p>(a) Substations and associated transformers and switching stations distributing electricity that comply with the following:</p> <ul style="list-style-type: none"> (i) Distribute electricity at a voltage up to and including 110kV; and (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>¹¹³ and Motor Sport and Recreation Zone; <u>and the Rural Zone</u>¹¹⁴ (iii) Any ancillary <u>buildings</u> do not exceed 100m² in gross floor area; and (iv) Are not located within an <u>Identified Area</u>. (v) <u>Maximum height 10m</u>¹¹⁵ |
| P5 | Construction or alteration of a building for a sensitive land use | <p>14.5.1.3</p> <p>(a) The construction or alteration of a <u>building for a sensitive land use</u> that complies with all of the following conditions:</p> <ul style="list-style-type: none"> (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 <u>National Grid</u>, that operate at a voltage of up to 110kV; or (ii) It is set back a minimum of 12m from the centre of line of any electrical distribution or transmission lines, not associated with the <u>National Grid</u>, that operate at a voltage of 110kV or more.¹¹⁶ |

14.5.2 Restricted Discretionary Activities

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

| Activity | Matters of Discretion |
|----------|---|
| RDI | <p>(a) Overhead distribution lines and support structures not exceeding a voltage up to and including 110kV:</p> <ul style="list-style-type: none"> (i) Not located within the Rural Zone; (ii) Not located within an <u>Identified Area</u>. |

¹¹³ 697.518 Waikato District Council

¹¹⁴ 405.53 Counties Power Limited; 836.19 Powerco

¹¹⁵ 697.22 Waikato District Council

¹¹⁶ 697.310; 697.23 and 697.24 Waikato District Council; 405.54 Counties Power

| | | |
|-----|--|---|
| | | (vi) The extent to which there are difficult ground conditions, topography or obstructions which make undergrounding impractical. |
| RD2 | Construction or alteration of a building for a sensitive land use that does not comply with Rule 14.5.1.3 | (a) Discretion is restricted to: (i) Effects on the amenity values of the site; (ii) The risk of electrical hazards affecting the safety of people; (iii) The risk of damage to property; (iv) Effects on the operation, maintenance and upgrading of the electrical distribution or transmission lines.¹¹⁷ |

14.5.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

| | |
|----|--|
| D1 | Overhead distribution lines and support structures exceeding a voltage of 110kV |
| D2 | Overhead distribution lines and support structures of any voltage located within an identified area |
| D3 | Substations and associated transformers and switching stations that do not comply with one or more conditions of Rule 14.5.1.2 |

14.6 Electricity generation

14.6.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.
- (b) Rule 14.2.1.1 will apply to the activities set out in this table unless there is a specific area, height,¹¹⁸ location and noise condition listed below.

| Activity | | Activity specific conditions |
|----------|--|--|
| P1 | Small-scale electricity generation | 14.6.1.1 (a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following conditions, where applicable: (a) Is not located within an Identified Area; (b) Is not located on a road, or unformed road; (c) Less than 20kW of electricity is generated; (d) Maximum one wind turbine per site in the Residential, Rangitahi Peninsula and Village Zones; (e) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; |
| P2 | Community-scale electricity generation | |

¹¹⁷ 697.310; 697.23 and 697.24 Waikato District Council

¹¹⁸ 697.25 Waikato District Council

| | | |
|----|---|--|
| | | <ul style="list-style-type: none"> (f) Freestanding wind turbines have a maximum blade diameter of 2.5m; (g) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (h) Roof-mounted wind turbines have a maximum blade diameter of 2.5m; (i) Any wind turbine on a site adjoining Residential, Rangitahi Peninsula or Village Zones must meet the height in relation to boundary limits on the boundary with that adjoining zone; (j) Solar panels on the roof of a building must not exceed 1.5m in height above the existing roof; <u>or attached to a ground mounted frame</u> ¹¹⁹ (k) Wind turbine noise must: <ul style="list-style-type: none"> (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 style="list-style-type: none"> (1) Any existing building or structure for sensitive land uses; and (2) Any potential building site where a building or structure for sensitive land uses could be located as a permitted activity; (ii) Be measured and assessed in accordance with NZS6808: 2010 Acoustics – Wind Farm Noise <u>(l) All other structures not listed above must not be higher than the maximum building height limit of the zone in which they are located.</u> ¹²⁰ |
| P3 | <p>Research and exploratory-scale investigations for renewable electricity generation activities</p> | <p>14.6.1.2</p> <ul style="list-style-type: none"> (a) Research and exploratory-scale investigations for renewable electricity generation activities that comply with all of the following: <ul style="list-style-type: none"> (i) The noise limits that are applicable to the zone; (ii) The height of any equipment must not exceed the building height limit of the zone in which they are located by more than 3m, <u>or within the Rural Zone must not exceed 20m total height;</u> ¹²¹ (iii) The size and location of any equipment must not exceed height in relation to boundary relevant to the zone in which it is located; and (iv) Setbacks relevant to the zone in which it is located; (v) Is not located within an identified area; (vi) Is not located on a road, or unformed road. |
| P4 | <p>Temporary diesel-fuelled electricity generation activities</p> | <p>Nil</p> |
| P5 | <p><u>Electricity generation within the Huntly Power</u></p> | <p><u>14.6.1.3</u></p> |

¹¹⁹ 836.21 Powerco

¹²⁰ 697.26 Waikato District Council

¹²¹ 692.20 WEL Networks Limited

| | | |
|--|---|--|
| | <u>Station site in the Industrial Zone Heavy</u> ¹²² . | <u>Electricity generation within the Huntly Power Station site in the Industrial Zone Heavy</u> ¹²³ <u>that complies with the Industrial Zone Heavy</u> ¹²⁴ <u>rules.</u> ¹²⁵ |
|--|---|--|

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 |
|----------|--|---|
| RD1 | 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 effects, including noise; (c) Shadow flicker effects; (d) The risk of hazards affecting public or individual safety, and risk of property damage; (e) Effects on the values, qualities and characteristics of any Identified Area. (f) <u>Ecology and biodiversity effects</u> ¹²⁶ |
| RD2 | Community-scale electricity generation that do not comply with one or more of the conditions of Rule 14.6.1.1 | |
| RD3 | Research and exploratory-scale investigations for renewable electricity generation activities that do not comply with one or more of the conditions of Rule 14.6.1.2 | |
| RD4 | <u>Electricity generation within the Huntly Power Station site in the Industrial Zone Heavy</u> ¹²⁷ <u>that do not comply with one or more conditions of the Rule 14.6.1.[X].</u> | <u>Discretion is restricted to the extent of effects associated with the Industrial Zone Heavy</u> ¹²⁸ <u>rules that the activity does not comply with.</u> ¹²⁹ |

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> ¹³⁰ |
|----|---|

14.6.4 Non-Complying Activities

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

¹²² 697.518 Waikato District Council

¹²³ 697.518 Waikato District Council

¹²⁴ 697.518 Waikato District Council

¹²⁵ 924.27 Genesis Energy Limited

- ¹²⁶ 585.11 Department of Conservation

¹²⁷ 697.518 Waikato District Council

¹²⁸ 697.518 Waikato District Council

¹²⁹ 924.27 Genesis Energy Limited

¹³⁰ 697.27 Waikato District Council

| | |
|-----|--|
| NC1 | Large-scale wind farms not located within a zone other than the Rural Zone, including within an Identified Area |
| NC2 | Large-scale wind farm located within any Identified Area in ¹³¹ the Rural Zone and within an Identified Area ¹³² |

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,¹³³ location and noise condition listed below.

| Activity | | Activity specific conditions |
|----------|---|--|
| P1 | Below ground pipelines for the conveyance of liquid fuels and gas | 14.7.1.1 (a) Below ground pipelines for the conveyance of liquid fuels and gas that comply with all of the following: (i) Any aboveground sections of pipeline must comply with the following: A. Not exceed 25m in length, and B. Not exceed 300mm in diameter. (ii) Gas pipelines must not exceed a gauge pressure of 2,000 kilopascals. (iii) Is not located within an Identified Area. |
| P2 | Below ground pipelines located within an Identified Area | 14.7.1.2 (a) Below ground pipelines for the conveyance of liquid fuels and gas, ¹³⁴ located within an Identified Area that comply with the following: (i) There are no aboveground sections of pipeline within the Identified Area; and (ii) Gas pipelines must not exceed a gauge pressure of 2,000 kilopascals. |
| P3 | Storage facilities and pump stations for liquid fuels and gas which are operated by a network utility | 14.7.1.3 (a) Storage facilities and pump stations for liquid fuels and gas which are operated by a network utility ¹³⁵ that comply with all of the following: (i) Is not located within an Identified Area, and (ii) Is not located on a road, or unformed road. |

¹³¹ 580.15 Meridian Energy

¹³² 697.28 Waikato District Council

¹³³ 697.29 Waikato District Council

¹³⁴ 697.31 Waikato District Council

¹³⁵ 559.167 Heritage NZPT; 680.298 FFNZ

14.7.2 Discretionary Activities

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

| | |
|----|---|
| D1 | Pipelines for the conveyance of liquid fuels and gas that do not comply with one or more of the conditions of Rule 14.7.1.1 or 14.7.1.2 |
| D2 | Storage facilities and pump stations for liquid fuels and gas that do not comply with one or more of the conditions of Rule 14.7.1.3 |

14.8 Meteorological

14.8.1 Permitted Activities

- (a) The following activities are permitted activities if they meet the activity specific conditions set out in this table. These rules apply throughout the District.
- (b) [Rule 14.2.1.1](#) will apply to the activities set out in this table unless there is a specific **area, height, location and noise condition** listed below.¹³⁶

| Activity | | Activity specific conditions |
|----------|---|---|
| PI | Meteorological enclosures and buildings, including automatic weather stations | <p>14.8.1.1</p> <p>(a) Meteorological enclosures and buildings, including automatic weather stations, that comply with all of the following:</p> <ul style="list-style-type: none"> (i) The size of the structure must not exceed 30m² in gross floor area; (ii) The structure complies with any relevant building height condition for the applicable zone; (iii) Is not located within an Identified Area; (iv) Is not located on a road, or unformed road. |
| P2 | Meteorological and air quality monitoring structures and devices | <p>14.8.1.2</p> <p>(a) Meteorological and air quality monitoring structures and devices that comply with all of the following:</p> <ul style="list-style-type: none"> (i) Do not exceed 12m in height; (ii) There shall be no more than one structure instrument, or device¹³⁷ per site; (iii) Is not located within an Identified Area; (iv) Is not located on a road, or unformed road. (v) Maximum area is 10m².¹³⁸ |

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.

¹³⁶ 697.32 Waikato District Council

¹³⁷ 697.34 Waikato District Council

¹³⁸ 697.33 Waikato District Council

| Activity | | Matters of Discretion |
|----------|--|--|
| RD1 | Meteorological enclosures and buildings, including automatic weather stations located within road or unformed road | (a) Discretion is restricted to: <ul style="list-style-type: none"> (i) The functional and operational needs of, and benefits derived from, the infrastructure; (ii) Visual, streetscape and amenity effects; (iii) Road network safety and efficiency; and (iv) Effects on the specific values, qualities and characteristics of any Identified Area.¹³⁹ |
| RD2 | Meteorological and air quality monitoring structures and devices located within road or unformed road | |

14.8.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

| | |
|---------------|--|
| D1 | 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 |
| D3 | Meteorological enclosures and buildings, including automatic weather stations that do not comply with one or more conditions in Rule 14.8.31 (P1). ¹⁴⁰ |
| D4 | Meteorological and air quality monitoring structures and devices that do not comply with one or more conditions in Rule 14.8.31 (P2). ¹⁴¹ |

¹³⁹ 697.35 Waikato District Council

¹⁴⁰ 697.36 Waikato District Council

¹⁴¹ 697.36 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,** ¹⁴² location and noise condition listed below.

| Activity | | Activity specific conditions |
|----------|---|---|
| PI | Antennas associated with amateur radio configurations | <p>14.9.1.1</p> <p>(a) Antennas associated with amateur radio configurations that comply with all of the following:</p> <p>(i) Where attached to a building or other structure (including a mast):</p> <p>A. The maximum diameter is 2m for an antenna dish;</p> <p>B. The maximum area is 2m² in area for a panel antenna;</p> <p>C. The maximum dimension in any direction is 2m for a panel antenna;</p> <p>D. The antenna must not overhang a site boundary;</p> <p>(ii) One pedestal-mounted antenna per site that meets the following:</p> <p>A. The antenna is pivoted less than 4m above the ground;</p> <p>B. The maximum diameter is 5m;</p> <p>C. Complies with the setback and height in relation to boundary requirements of the relevant zone;</p> <p>(iii) Are not located within an Identified Area;</p> <p>(iv) Is not located on a road, or unformed road.</p> |
| P2 | Aerials associated with amateur radio configurations | <p>14.9.1.2</p> <p>(a) Aerials associated with amateur radio configurations that comply with all of the following:</p> <p>(i) Any of the elements making up the aerial do not exceed 80mm in diameter;</p> <p>(ii) For horizontal HF yagi aerials, the maximum element length does not exceed 14.9m, and the boom length does not exceed 13m;</p> <p>(iii) No part of the aerial (including aerial wires) overhangs a site boundary;</p> <p>(iv) The setback standards applying to buildings in the applicable zone, except that aerial wires are not required to comply with the setback standards;</p> <p>(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(f) below Rule 14.9.1.2(a)(vi); ¹⁴³</p> <p>(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(f) below Rule 14.9.1.3(a)(iii) ¹⁴⁴ per site that exceeds the</p> |

¹⁴² 697.32 Waikato District Council

¹⁴³ 594.5 NZART

¹⁴⁴ 594.7 NZART

| | | |
|-----------|--|--|
| | | <p>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.</p> |
| <p>P3</p> | <p>Support structures associated with amateur radio configurations</p> | <p>14.9.1.3</p> <p>(a) Support structures associated with amateur radio configurations that comply with all of the following:</p> <p>(i) For wire aerials of less than 115mm in outside diameter, no more than six support poles per site provided that:</p> <p>A. The maximum height of the support poles is the maximum building height applying in the zone in which they are located;</p> <p>B. The setback and height in relation to boundary standards shall not apply to these support poles;</p> <p>(ii) Where guy wires are used these must not exceed 12mm in diameter;</p> <p>(iii) One pole support structure (excluding support poles for wire aerials) or lattice support structure per site, provided that:</p> <p>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</p> <p>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;</p> <p>C. The pole or lattice structure is located in accordance with setback standards applying to buildings in the zone in which they are located. For the purpose of this rule the height in relation to boundary standards shall not apply to the pole or lattice support structure;</p> <p>D. Where guy wires are used these must not exceed 12mm in diameter;</p> <p>E. At no point must any guy wire overhang the boundary;</p> <p>(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:</p> <p>A. The maximum height of the support structure and any attached aerials or antennas is 20m;</p> <p>B. This single tall supporting structure may be one of the following:</p> <p>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 20m shall be 115mm, or</p> <p>Bb A guyed lattice mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m shall be 300mm. The mast may be of constant width or tapering, or</p> <p>Bc 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</p> <p>Bd A self-supporting tubular mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m must fit within a tapering envelope with a maximum inscribed circle of 230mm at 9m and 115mm at 20m; and</p> |

| | | |
|--|--|--|
| | | <p>Bb There may be local enlargement of the support structure to accommodate a rotator mechanism; and</p> <p>Bc 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</p> <p>Bd Where guy wires are used, these must not exceed 12 mm in diameter; and</p> <p>Be At no point must any guy wire overhang the boundary;</p> <p>Bf <u>A second pole or support structure up to 14m height is permitted for operation of 3.6MHz radio:</u> ¹⁴⁵</p> <p>(v) Are not located within an Identified Area; and</p> <p>(vi) Is not located on a road, or unformed road.</p> |
|--|--|--|

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 |
|----------|--|---|
| RD1 | Amateur radio configurations that <u>are not located on a road, unformed road or Identified Area, and</u> ¹⁴⁶ do not comply with one or more of the conditions of Rules 14.9.1.1 , 14.9.1.2 and 14.9.1.3 | Discretion is restricted to: <ul style="list-style-type: none"> (a) The bulk, form, scale, location and number of antennas, aerials and supporting structures; (b) Location on site; and (c) Visual, streetscape and amenity effects. |

14.9.3 Discretionary Activities

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

| | |
|----|---|
| D1 | Antennas , aerials and support structures associated with amateur radio configurations located within road and unformed road |
| D2 | Antennas , aerials and support structures associated with amateur radio configurations located within Identified areas |

14.10 Telecommunications and radiocommunications

Notes:

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

¹⁴⁵ 594.8 NZART

¹⁴⁶ 697.38 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,** ¹⁴⁷ location and noise condition listed below.

| Activity | | Activity specific conditions |
|----------|--|---|
| P1 | Ancillary equipment ⁺¹ | 14.10.1.1 (a) Ancillary equipment that complies with the following: (i) It is not connected to an area, façade or item specifically listed in Schedule 30.1 . (ii) Not exceed 10m² in area above-ground; (iii) Not exceed 2.5m in height. ¹⁴⁸ |
| P2 | Below ground telecommunications and radiocommunications facilities, lines, cables and ducts | (a) Not located within an Identified Area ¹⁴⁹ |
| P3 | Cabinets ⁺¹ | 14.10.1.2 (a) Cabinets that comply with the following condition: (i) Are not located within an Identified Area. (ii) Not exceed 10m² in area above-ground; (iii) Not exceed 2.5m in height. ¹⁵⁰ |
| P4 | Antennas and lines attached to retaining walls, tunnels, bridges and other structures located within the road ⁺¹ | 14.10.1.3 (a) Antennas that comply with all of the following conditions: (i) Do not connect to an area, façade or item specifically listed in Schedule 30.1 ; (ii) Panel antenna do not exceed 0.7m in width; (iii) Dish antenna do not exceed 0.6m in width diameter ¹⁵¹ within the Residential Zone; (iv) Within the Residential Zone the maximum number of antennas per site is 4. (b) Rule 14.10.1.3(1)(a) does not apply a face-mounted panel antenna located within the fascia and below the roof line of an existing building, except where the area, façade or item is specifically listed in Schedule 30.1 ¹⁵² |
| P5 | Antennas ⁺¹ attached to a building and/or structure | 14.10.1.4 (a) Antennas attached to a building and/or structure that comply with all of the following conditions: (i) Do not connect to an area, façade or item specifically listed in Schedule 30.1 ; (ii) The building and/or structure is located within: A. Business Zone |

¹⁴⁷ 697.39 Waikato District Council

¹⁴⁸ 697.40 Waikato District Council

¹⁴⁹ 559.179 Heritage NZPT

¹⁵⁰ 697.41 Waikato District Council

¹⁵¹ 644.36 Spark; 646.36 Vodafone; 648.36 Chorus

¹⁵² 559.181 Heritage NZPT

| | | |
|----|---|--|
| | | <p>B. Business Town Centre Zone C. Tamahere Business Zone D. Te Kowhai Airpark <u>Zone</u> ¹⁵³ E. Industrial Zone F. Industrial Zone <u>Heavy</u> ¹⁵⁴ G. Motor Sport and Recreation Zone H. Rural Zone I. Country Living Zone J. Reserve Zone</p> <p>(iii) The face of the antenna does not exceed 1.5m² or 1.2m in diameter for dish antennas, <u>or 1.6m in length for Yagi antenna on an existing pole.</u> ¹⁵⁵</p> <p>(b) <u>Rule 14.10.1.4</u> does not apply to private television antennas and satellite dishes + <u>12</u> ¹⁵⁶</p> |
| P6 | Antennas inside new or existing buildings | Nil |
| P7 | <u>Other Antennas not attached to a building and/or structure</u> | <p>14.10.1.5</p> <p>(a) Antennas that comply with all of the following conditions <u>are excluded from any height standards in 14.10.1 P4, P5 and P9:</u></p> <p>(i) GPS <u>Antennas</u> that do not exceed the following dimensions: A. 300mm high; and B. 130mm in diameter.</p> <p>(ii) Omni-directional 'whip' or di-pole type <u>antennas</u> that do not exceed the following dimensions: A. 1.6m high; B. 1.5m horizontal length whip or rod; or C. Cross section element no more than 60mm in diameter.</p> <p>(iii) Are not located within an Identified Area (iv) Do not connect to an area, façade or item specifically listed in <u>Schedule 30.1.</u></p> |
| P8 | Small cell units exceeding the permitted volumetric dimension of 0.11m ³ regulated in the <u>NESTF</u> | <p>14.10.1.6</p> <p>(a) Small cell units exceeding the permitted volumetric dimension of 0.11m³ <u>regulated in the NESTF</u> that comply with all of the following conditions: (i) Do not exceed a maximum <u>volumetric volume dimension</u> of 0.25m³; ¹⁵⁸ (ii) Are not located within an Identified Area; and (iii) Do not connect to an area, façade or item specifically listed in <u>Schedule 30.1.</u></p> |
| P9 | Poles, <u>antennas</u> and headframes+ ¹ | <p>14.10.1.7</p> <p>(a) Any poles and attached antenna that comply with the following conditions: (i) Are not located within an Identified Area; (ii) Do not connect to an area, façade or item specifically listed in <u>Schedule 30.1;</u></p> |

¹⁵³ 697.519 Waikato District Council

¹⁵⁴ 697.518 Waikato District Council

¹⁵⁵ 405.59 Counties Power

¹⁵⁶ 697.42 Waikato District Council

¹⁵⁷ 644.42 Spark; 646.39 Vodafone; 648.XXChorus

¹⁵⁸ 697.43 Waikato District Council

| | | <p>(iii) Comply with the height in relation to boundary limits for the zone in which it is located;</p> <p>(iv) Not exceed the height limits set out in the following table:</p> <table border="1" data-bbox="810 383 1458 1115"> <thead> <tr> <th data-bbox="810 383 1115 445">Zone</th> <th data-bbox="1115 383 1458 445">Permitted height</th> </tr> </thead> <tbody> <tr> <td data-bbox="810 445 1115 580">Rural, Country Living</td> <td data-bbox="1115 445 1458 580">25m (and 30m for co-location of at least two operators)</td> </tr> <tr> <td data-bbox="810 580 1115 714">Industrial, Heavy Industrial and Motor Sport and Recreation</td> <td data-bbox="1115 580 1458 714">25m (and 30m for co-location of at least two operators)</td> </tr> <tr> <td data-bbox="810 714 1115 887">Business, Business Town Centre, Business Zone Tamahere, Te Kowhai Airpark</td> <td data-bbox="1115 714 1458 887">20m</td> </tr> <tr> <td data-bbox="810 887 1115 949">Reserve</td> <td data-bbox="1115 887 1458 949">20m</td> </tr> <tr> <td data-bbox="810 949 1115 1048">Residential, Rangitahi Peninsula, Village</td> <td data-bbox="1115 949 1458 1048">15m</td> </tr> <tr> <td data-bbox="810 1048 1115 1115">Road or unformed road</td> <td data-bbox="1115 1048 1458 1115">That of the adjoining zone</td> </tr> </tbody> </table> <p>(b) Headframes that comply with the following conditions:</p> <ul style="list-style-type: none"> (i) Comply with the height in relation to boundary limits for the zone in which it is located; (ii) Within the Residential Zone do not exceed 1.0m diameter; or (iii) Within all other zones and unformed roads do not exceed 6.0m diameter; and (iv) Within the road do not exceed 0.7m diameter. <p>(c) Rules 14.10.1.7(+)a)¹⁵⁹ does not apply to lightning rods and GPS antennas, omni directional whip antenna, ancillary telecommunication devices and earth peaks.</p> | Zone | Permitted height | Rural, Country Living | 25m (and 30m for co-location of at least two operators) | Industrial, Heavy Industrial and Motor Sport and Recreation | 25m (and 30m for co-location of at least two 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 |
|---|--|--|------|------------------|-----------------------|---|---|---|---|-----|---------|-----|---|-----|-----------------------|----------------------------|
| Zone | Permitted height | | | | | | | | | | | | | | | |
| Rural, Country Living | 25m (and 30m for co-location of at least two operators) | | | | | | | | | | | | | | | |
| Industrial, Heavy Industrial and Motor Sport and Recreation | 25m (and 30m for co-location of at least two 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 | | | | | | | | | | | | | | | |
| P10 | Externally-mounted telecommunication satellite dishes and ancillary components | <p>14.10.1.8</p> <p>(a) Externally-mounted telecommunication satellite dishes and ancillary components that comply with the following conditions:</p> <ul style="list-style-type: none"> (i) Do not exceed 1.0m in diameter, <u>or 1.8m in diameter in Industrial Zone, Industrial Zone Heavy¹⁶⁰, Country Living Zone and Rural Zone.</u> | | | | | | | | | | | | | | |

¹⁵⁹ 644.39 Spark; 646.40 Vodafone; 648.39 Chorus

¹⁶⁰ 697.518 Waikato District Council

| | | |
|-----|--|---|
| | | <ul style="list-style-type: none"> (ii) Are attached to existing buildings; <u>and/or including a pole or structure other than a building when located in the Country Living and Rural Zones.</u>¹⁶¹ (iii) Do not connect to an area, façade or item specifically listed in Schedule 30.1; and (iv) Are not located within an Identified Area. |
| P11 | Telecommunication kiosk | <p>14.10.1.9</p> <ul style="list-style-type: none"> (a) Telecommunication kiosks that comply with all of the following conditions: <ul style="list-style-type: none"> (i) Are not located within road or unformed road located adjacent to an Identified Area; (ii) Do not connect to an area, façade or item specifically listed in Schedule 30.1; and (iii) Are not located within an Identified Area. <u>(iv) Not exceed 10m² in area above-ground;</u> <u>(v) Not exceed 2.5m in height.</u>¹⁶² |
| P12 | Telephone exchanges, including the installation and operation of equipment inside existing telephone exchanges | <p>14.10.1.10</p> <ul style="list-style-type: none"> (a) Telephone exchanges, including the installation and operation of equipment inside existing telephone exchanges, that comply with the following conditions: <ul style="list-style-type: none"> (i) Do not exceed 20m² in area in roads or sites zoned Residential and Country Living; or (ii) Do not exceed 30m² in area in all other zones; (iii) Comply with the height and height in relation to boundary limits for the zone in which it is located; (iv) Are not located within road or unformed road located adjacent to an Identified Area; and (v) Are not located within an Identified Area. |
| P13 | Self-contained power units | <p>14.10.1.11</p> <ul style="list-style-type: none"> (a) Self-contained power units that comply with all of the following conditions: <ul style="list-style-type: none"> (i) Do not connect to an area, façade or item specifically listed in Schedule 30.1; (ii) Are not located within an Identified Area. <u>(iii) Not exceed 10m² in area above-ground;</u> <u>(iv) Not exceed 2.5m in height.</u>¹⁶³ |
| P14 | Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the NESTF | <p>14.10.1.12</p> <ul style="list-style-type: none"> (a) Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the NESTF, that comply with all of the following conditions: <ul style="list-style-type: none"> (i) Do not exceed 20m in height; and (ii) Are located within the Rural Zone; or (iii) Are located within road or unformed road located adjacent to the Rural Zone. |
| P15 | Lightning rods | <p>14.10.1.13</p> |

¹⁶¹ 644.40 Spark; 646.41 Vodafone; 648.40 Chorus

¹⁶² 697.44 Waikato District Council

¹⁶³ 697.45 Waikato District Council

| | |
|--|--|
| | (a) Lightning rods that comply with all of the following conditions: <ul style="list-style-type: none"> (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.

| Activity | | Matters of Control |
|----------|--|--|
| C1 | Ancillary equipment that do not comply with the conditions of Rule 14.10.1.1 | (a) Control is reserved over: <ul style="list-style-type: none"> (i) The size, colour and design of the proposed facility, equipment or structure; (ii) The location of the proposed facility, equipment or structure; (iii) The ability to provide screening or landscaping; and (iv) Effects on the values, qualities and characteristics of the site and/or items in Schedule 30.1.¹⁶⁴ |
| C2 | Cabinets that do not comply with one or more of the conditions of Rule 14.10.1.2 | |
| C3 | (a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within: <ul style="list-style-type: none"> (i) Business Zone (ii) Business Town Centre Zone (iii) Business Zone Tamahere (iv) Te Kowhai Airpark Zone¹⁶⁵ (v) Industrial Zone (vi) Industrial Zone Heavy¹⁶⁶ (vii) Motorsport and Recreation Zone (viii) Rural Zone (ix) Country Living Zone (x) Reserve Zone | |
| C4 | Antennas attached to an existing pole in the road reserve that do not comply with Regulations 26 and 27 of the NESTF and antennas attached to an existing pole in unformed road | |
| C5 | (a) Antennas attached to a building that do not comply with the conditions of Rule 14.10.1.4 and are located within: <ul style="list-style-type: none"> (i) Business Zone (ii) Business Town Centre Zone (iii) Business Zone Tamahere (iv) Te Kowhai Airpark Zone¹⁶⁷ (v) Industrial Zone (vi) Industrial Zone Heavy¹⁶⁸ (vii) Motorsport and Recreation Zone (viii) Rural Zone (ix) Country Living Zone (x) Reserve Zone | |
| C5 | (a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within: <ul style="list-style-type: none"> (i) Business Zone (ii) Business Town Centre Zone (iii) Business Zone Tamahere | |

¹⁶⁴ 559.191 Heritage NZPT

¹⁶⁵ 697.519 Waikato District Council

¹⁶⁶ 697.518 Waikato District Council

¹⁶⁷ 697.519 Waikato District Council

¹⁶⁸ 697.518 Waikato District Council

| | | |
|----|---|--|
| | <ul style="list-style-type: none"> (iv) Te Kowhai Airpark Zone¹⁶⁹ (v) Industrial Zone (vi) Industrial Zone Heavy¹⁷⁰ (vii) Motor Sport and Recreation Zone (viii) Rural Zone (ix) Country Living Zone (x) Reserve Zone | |
| C6 | <p>(a) Antennas located within an Identified Area that comply with the following:</p> <ul style="list-style-type: none"> (i) GPS antennas that do not exceed the following dimensions: <ul style="list-style-type: none"> A. 300mm high; and B. 130mm in diameter. (ii) Omni-directional 'whip' or di-pole type antennas that do not exceed the following dimensions: <ul style="list-style-type: none"> A. 1.6m high; B. 1.5m horizontal length whip or rod; or C. Cross section element no more than 60mm in diameter. | |
| C7 | <p>Small cell units located in an Identified Area exceeding the maximum volumetric dimension volume¹⁷¹ of 0.1 l m²³ regulated in the NESTF, up to a maximum volume of 0.25m^{23, 172}.</p> | |

¹⁶⁹ 697.519 Waikato District Council

¹⁷⁰ 697.518 Waikato District Council

¹⁷¹ 697.43 Waikato District Council

¹⁷² 644.41 Spark; 648.41 Chorus; 646.42 Vodafone

| | | |
|-----|---|---|
| C8 | Poles, antennas and headframes located within an Identified Area that comply with Rule 14.10.1.7 ¹⁷³ | Control is reserved over: (a) The size, colour and design of the proposed facility, equipment or structure; (b) The location of the proposed facility, equipment or structure; (c) The ability to provide screening or landscaping; and (d) Effects on the values, qualities and characteristics of the site . |
| C9 | (a) Externally-mounted telecommunication satellite dishes and ancillary components that: (i) Do not exceed 1.0m in diameter; (ii) Are attached to existing buildings; and (iii) Are not located within an Identified Area. ¹⁷⁴ | |
| 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.

| Activity | | Matters of Discretion |
|----------|---|---|
| RD1 | (a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within: (i) Residential Zone (ii) Rangitahi Peninsula Zone (iii) Village Zone (iv) Road and unformed road | Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) The bulk, form, scale, location of the structure; (c) Visual, landscape, streetscape and amenity effects; (d) Where located within a road, the operation and function of road network activities, (e) Effects on the values, qualities and characteristics of the site , heritage item or area . ¹⁷⁵ |
| RD2 | (a) Antennas attached to a building and/or structure that comply with all of the following conditions: (i) Are located within: A. Residential Zone B. Rangitahi Peninsula Zone C. Village Zone D. Road and unformed road (ii) The face of the antenna does not exceed 1.5m ² or 1.2m in diameter for dish antennas . | |
| RD3 | (a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within: (i) Residential Zone (ii) Rangitahi Peninsula Zone (iii) Village Zone (iv) Road and unformed road | |
| RD4 | Poles, antennas and headframes not complying with regulations 26-35 of the NESTF or Rule 14.10.1.7 | |

¹⁷³ 559.193 Heritage NZPT

¹⁷⁴ 559.193 Heritage NZPT

¹⁷⁵ 559.195 Heritage NZPT

| | | |
|-----|---|--|
| RD5 | (a) Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the NESTF , that: <ul style="list-style-type: none"> (i) Do not comply with one or more conditions of Rule 14.10.1.12; and (ii) Are not located within an Identified Area. | |
| RD6 | Telecommunication kiosks that do not comply with one or more conditions of Rules 14.10.1.9 or 14.10.2(C10) | |
| RD7 | Self-contained power units that do not comply with the conditions for a new infrastructure activity and associated structures under Rule 14.2.1.1 | |
| RD8 | <u>Poles, antennas and headframes located within an Identified Area that comply with Rule 14.10.1.7</u> ¹⁷⁶ | |
| RD9 | (a) <u>Externally-mounted telecommunication satellite dishes and ancillary components that:</u> <ul style="list-style-type: none"> (i) <u>Are located within an Identified Area.</u> ¹⁷⁷ | |

14.10.4 Discretionary Activities

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

| | |
|----|---|
| D1 | Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within an Identified Area |
| D2 | Antennas attached to a building and/or structure that do not comply with one or more conditions of Rule 14.10.3(RD2) |
| D3 | Antennas attached to a building and/or structure located within an Identified Area |
| D4 | Dish antennas not complying with regulations 26-35 of the NESTF that are located within an Identified Area |
| D5 | Poles, antennas and headframes located within an Identified Area not complying with regulations 26-35 of the NESTF or Rule 14.10.1.7 |
| D6 | Telephone exchanges located within an Identified Area or do not comply with one or more conditions of Rule 14.10.1.10 |
| D7 | Self-contained power units located within an Identified Area |
| D8 | Aerial telecommunication lines and associated support structures located within an Identified Area |

¹⁷⁶ 559.192 Heritage NZPT

¹⁷⁷ 559.193 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**¹⁷⁸ location and noise condition listed below.

| Activity | | Activity specific conditions |
|----------|---|--|
| PI | Stormwater systems for new development or subdivision | <p>14.11.1.1</p> <p>(a) New development or subdivision must have a stormwater system that complies with all of the following conditions:</p> <ol style="list-style-type: none"> (i) Operates by gravity; (ii) Manages stormwater through a Stormwater Management Plan¹⁷⁹ in the following manner: <ol style="list-style-type: none"> A. Primary systems detain or retain¹⁸⁰ runoff from all impervious surfaces during a 10% Annual Exceedance Probability storm event to ensure that the rate of any stormwater discharge off-site is at or below pre-development rates; and B. Secondary overflows are conveyed to a system or drainage path designed to collect concentrated stormwater during events up to and including a 1% Annual Exceedance Probability; or C. A controlled discharge to a network or receiving environment that will have equivalent capacity (as in (i) and (ii) above) once the catchment is fully developed. (iii) Stormwater management measures must be in place and operational upon the completion of subdivision and/or development; (iv) Systems must be designed using rainfall data specific to the area in which the property is located and be adjusted for a climate change temperature increase of 2.1 °C; (v) Stormwater management measures, including low impact design measures, must be implemented as appropriate in accordance with the following drainage hierarchy: <ol style="list-style-type: none"> A. Retention of rainwater/stormwater for reuse; B. Soakage techniques; C. Infiltration rate of a minimum of 7mm/hour; D. Treatment, detention and gradual release to a watercourse; E. Treatment, detention and gradual release to a piped stormwater system. F. Stormwater treatment shall address water quality; downstream erosion and scour effects; and cumulative volume effects.¹⁸¹ (vi) Where land is subject to instability, stormwater discharges directly to ground occurs only where the ground conditions have been identified as being suitable to absorb such discharges without causing, accelerating or contributing to land instability |

¹⁷⁸ 697.47 Waikato District Council

¹⁷⁹ 697.565 Waikato District Council

¹⁸⁰ 81.248 Waikato Regional Council

¹⁸¹ 81.150 Waikato Regional Council; 535.60 Hamilton City Council

| | | |
|--|--|---|
| | | <p>and downstream effects either on the site or on neighbouring properties;</p> <p>(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.</p> <p>Notes:</p> <p>(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.¹⁸²</p> <p>(iii) A stormwater discharge consent may also be required from the Waikato Regional Council.</p> |
|--|--|---|

| | | |
|-----------|---|---|
| <p>P2</p> | <p>The establishment of impervious surfaces associated with new development or subdivision¹⁸³</p> | <p>14.11.1.2</p> <p>(a) The establishment of impervious surfaces associated with new development or subdivision that complies with the following condition:</p> <p>(i) The maximum impervious surface of a site within the Residential Zone, Rangitahi Peninsula Zone, Village Zone or Country Living Zone is 70%.¹⁸⁴</p> <p>[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]¹⁸⁵</p> |
| <p>P3</p> | <p>Wastewater servicing for new development or subdivision</p> | <p>14.11.1.3</p> <p>(a) New development or subdivision must have a wastewater system that complies with the following conditions:</p> <p>(i) Is connected to public, reticulated wastewater network; or</p> <p>(ii) Is connected to a community-scale wastewater system; or</p> <p>(iii) Is provided with a site-contained, alternative method of wastewater disposal that complies with AS/NZS 1547:2012.</p> |
| <p>P4</p> | <p>Below ground pipelines for the conveyance of water, wastewater and stormwater</p> | <p>14.11.1.4</p> <p>(a) Below ground¹⁸⁶ Pipelines for the conveyance of water, wastewater and stormwater that comply with all of the following:</p> <p>(i) Any aboveground section of a pipeline must comply with the following:</p> <p>A. Not exceed 25m in length, and</p> <p>B. Not exceed 300mm in diameter.</p> <p>(ii) Is not located within an Identified Area.</p> |

¹⁸² 697.50 Waikato District Council; 81.144 Waikato Regional Council

¹⁸³ 697.9; 697.51 Waikato District Council

¹⁸⁴ 697.310 Waikato District Council

¹⁸⁵ 697.9; 697.51 Waikato District Council

¹⁸⁶ 697.52 Waikato District Council

| | | |
|----|---|--|
| | | (b) The maximum dimensions in Rule 14.11.14(a)(i) do not apply to any above-ground section of pipeline which is attached to or contained within the superstructure of a bridge. |
| P5 | Below ground pipelines for the conveyance of water, wastewater and stormwater located within an Identified Area | 14.11.1.5 (a) Below ground pipelines for the conveyance of water, wastewater and stormwater located within an Identified Area that comply with all of the following: (i) There are no aboveground sections of pipeline within an Identified Area. (ii) Are not within a site or area in Schedule 30.1 or 30.3 or 30.4. ¹⁸⁷ |
| P6 | Pump stations for the conveyance of water, wastewater and stormwater | 14.11.1.6 (a) Pump stations for the conveyance of water, wastewater and stormwater that complies with the following conditions: (i) Is not located within an Identified Area. (ii) Not exceed 10m² in area above-ground; ¹⁸⁸ (iii) Not exceed 3m in height. ¹⁸⁹ |
| P7 | Stormwater treatment, detention and retention facilities or devices | 14.11.1.7 (a) Stormwater treatment, detention and retention facilities or devices, excluding stormwater wetlands or ponds that comply with the following: |

¹⁸⁷ 559.198 Heritage NZPT

¹⁸⁸ 697.53 Waikato District Council

¹⁸⁹ 423.9 Watercare Services Limited

| | | |
|--|--|--|
| | | (i) is not a stormwater wetland or pond. ¹⁹⁰ |
|--|--|--|

| | | |
|-----|---|---|
| P8 | Stormwater ponds or wetlands | 14.11.1.8 (a) Stormwater ponds or wetlands that comply with the following: (i) The area of the pond or wetland does not exceed the equivalent site building coverage conditions applicable to the zone. |
| P9 | Ventilation facilities, drop shafts and manholes | 14.11.1.8 (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 (a) Below ground reservoirs that comply with all of the following: (i) Are not located within an Identified Area; or (ii) Are not located within road or unformed road. |
| P11 | <u>P11 Water supply servicing for new development or subdivision</u> ¹⁹¹ | <u>14.11.1.11</u> <u>(a) New development or subdivision must have a water supply system that complies with the following conditions:</u> <u>(i) Is connected to any available public, reticulated water supply system nearby.</u> ¹⁹² <u>(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.</u> ¹⁹³ |
| P12 | <u>The construction of new regional flood management infrastructure in close proximity to existing flood management infrastructure, undertaken by or on behalf of the public authority responsible for the regional flood management infrastructure</u> | <u>14.11.1.12</u> <u>(1) All activities must comply with the following conditions:</u> <u>(a) Activities are carried out:</u> <u>(i) within 20m of the landward toe of a stopbank (See diagram 14.11.1 below)</u> <u>(ii) On a stopbank</u> <u>(iii) Within the flood channel (between a stopbank and river bank)</u> <u>(iv) Within a 20m radius of a pump station or floodgate.</u> <u>Advice note: Flood control schemes are managed by public authorities, and as such activities associated with flood control schemes require the approval of the relevant public authority.</u> |
| P13 | <u>Flood control, renewal, maintenance, unscheduled, and storm</u> | |

¹⁹⁰ 697.54 Waikato District Council

¹⁹¹ 697.48 Waikato District Council

¹⁹² 535.61 Hamilton City Council; 697.48 Waikato District Council

¹⁹³ 822.2 Bob MacLeod

| | | |
|-------------------|--|---|
| | <p><u>response works undertaken by or on behalf of the public authority responsible for the regional flood management infrastructure</u></p> | <p>STOPBANK DIAGRAM</p> <p>Legend</p> <ul style="list-style-type: none"> 1. Design flood level (DFL) 2. Low water channel 3. Flood Channel 4. Riverside stopbank toe 5. Riverside batter 6. Stopbank crest level 7. Landside batter 8. Landward stopbank toe 9. Riverside land 10. Stopbank 11. Land within 20m of the landward toe of a stopbank |
| <p>PI4</p> | <p><u>In close proximity to existing flood management infrastructure:</u></p> <ul style="list-style-type: none"> (a) <u>The maintenance of existing stock-proof fences</u> (b) <u>Grazing of animals</u> (c) <u>Any farming activity other than the grazing of animals</u> (d) <u>Planting of trees</u> (e) <u>The construction of any road or race for the passage of stock or vehicles</u> (f) <u>The erection of any new fence, shelter, building or structure</u> (g) <u>The excavation or the digging of any drain</u> (h) <u>A network utility or private infrastructure including underground pipes and cables with written approval from the public authority responsible for the regional flood management infrastructure</u>¹⁹⁴ | <p style="text-align: center;">Diagram 14.11.1</p> |

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.

| Activity | Matters of Discretion |
|--|-------------------------------------|
| <p>RD1 Stormwater systems for new development or subdivision that does not comply with</p> | <p>Discretion is restricted to:</p> |

¹⁹⁴ 81.190; 81.191 Waikato Regional Council

| | | |
|-----|--|--|
| | one or more of the conditions of Rule 14.11.1.1 | <ul style="list-style-type: none"> (a) The likely effectiveness of the system to avoid flooding, nuisance or damage to other buildings and sites; (b) The capacity of the system and suitability to manage stormwater. (c) The potential for adverse effects to the environment in terms of stormwater quantity and stormwater quality effects.¹⁹⁵ (d) Extent to which low impact design principles and approaches are used¹⁹⁶ |
| RD2 | The establishment of impervious surfaces associated with new development or subdivision that do not comply with one or more of the conditions of Rule 14.11.1.2 | Discretion is restricted to: <ul style="list-style-type: none"> (a) Site design, layout and amenity; (b) The risk of flooding, nuisance or damage to the site or other buildings and sites.¹⁹⁷ |
| RD3 | Wastewater servicing for new development or subdivision that do not comply with one or more of the conditions of Rule 14.11.1.3 | Discretion is restricted to: <ul style="list-style-type: none"> (a) Health and safety of the occupants; (b) Capacity of the system; (c) Infiltration capacity of the soil; (d) Location, including proximity to waterways and effects on habitats; (e) Contamination of downstream properties by wastewater. |
| RD4 | Below ground pipelines that do not comply with one or more of the conditions of Rules 14.11.1.4 and 14.11.1.5 | Discretion is restricted to: <ul style="list-style-type: none"> (a) The functional need and operational need of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) Road network safety and efficiency; (d) The risk of hazards to public or individual safety, and risk of property damage; and (e) Effects on the specific values, qualities and characteristics of any Identified Area. |
| 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 14.11.1.6 ¹⁹⁸ | |
| RD6 | Stormwater ponds or wetlands, that serve more than one site , located within: <ul style="list-style-type: none"> (i) (i) Residential Zone (ii) (ii) Rangitahi Peninsula Zone (iii) (iii) Village Zone (iv) (iv) Country Living Zone (v) (v) Road and unformed road (vi) (vi) Identified Area.¹⁹⁹ | |
| 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 | |

¹⁹⁵ 81.145 Waikato Regional Council

¹⁹⁶ 81.7 Waikato Regional Council

¹⁹⁷ [697.56 Waikato District Council](#); [697.310 Waikato District Council](#)

¹⁹⁸ 697.53 Waikato District Council; 423.9 Watercare

¹⁹⁹ 697.57 Waikato District Council

| | | |
|--------------------|---|---|
| <p><u>RD10</u></p> | <p><u>Water supply that does not comply with Rule 14.11.1(P1).</u></p> | <p><u>Discretion is restricted to: (a) Health and safety of the occupants; and (b) Sufficiency of supply for fire-fighting.</u>²⁰⁰</p> |
| <p><u>RD11</u></p> | <p><u>New capital works relating to regional flood management infrastructure, including but not limited to flood control dams, flood gates, stopbanks, channels, and culverting of waterways.</u></p> | <p><u>Discretion is restricted to:</u></p> <p><u>(a) The extent to which adverse effects are avoided, remedied or mitigated.</u></p> <p><u>Advice Note: “Emergency Works” undertaken in accordance with Section 330 of the Resource Management Act 1991 in response to a sudden event causing or likely to cause loss of life, injury, or serious damage to property are a permitted activity.</u></p> |
| <p><u>RD12</u></p> | <p><u>Any other activity that is not permitted under Rule 14.11.1 P12, P13 or P14 but complies with activity specific condition 14.11.1.12 shall be a restricted discretionary activity.</u></p> | <p><u>Discretion is restricted to:</u></p> <p><u>(a) The extent to which the activity will affect the integrity of the flood control asset</u></p> <p><u>(b) The extent to which the activity will impede maintenance access</u></p> <p><u>(c) Methods to avoid, remedy, or mitigate adverse effects on the integrity of the flood control assets</u></p> <p><u>(d) Methods to avoid, remedy, or mitigate adverse effects on maintenance access.</u></p> <p><u>Non-notification</u></p> <p><u>Applications utilising RD12 that do not simultaneously trigger other consent requirements shall not be publicly notified and shall not be served on any party other than Council and the public authority responsible for the regional flood management infrastructure.</u>²⁰¹</p> |

²⁰⁰ 697.49 Waikato District Council

- ²⁰¹ 81.190; 81.191 Waikato Regional Council

14.11.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

| | |
|----|--|
| D1 | Water treatment plants not located within road and or ²⁰² unformed road or an Identified Area ²⁰³ |
| D2 | Wastewater treatment plants located within the following: (i) (i) Industrial Zone (ii) (ii) Industrial Zone Heavy ²⁰⁴ (iii) (iii) Motor Sport and Recreation Zone (iv) (iv) Rural Zone (v) (v) Country Living Zone (vi) (vi) Reserve Zone ²⁰⁵ |
| D3 | Above ground reservoirs not located within an Identified Area ²⁰⁶ |

14.11.4 Non-Complying Activities

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

| | |
|-----|---|
| NC1 | Water treatment plants located within the following: (i) Road and or ²⁰⁷ unformed road; or (ii) Identified Area ²⁰⁸ |
| NC2 | Wastewater treatment plants located within the following: (i) Residential Zone (ii) Rangitahi Peninsula Zone (iii) Village Zone (iv) Business Zone (v) Business Town Centre Zone (vi) Tamahere Business Zone (vii) Te Kowhai Airpark Zone (viii) Road and unformed road (ix) Identified Area ²⁰⁹ |
| NC3 | Above ground reservoirs located within an Identified Area ²¹⁰ |

²⁰² 697.58 Waikato District Council
 - ²⁰³ 423.14; 423.15 Watercare

²⁰⁴ 697.518 Waikato District Council

²⁰⁵ 697.59 Waikato District Council
 - ²⁰⁶ 423.14; 423.15 Watercare

- ²⁰⁷ 697.60 Waikato District Council

- ²⁰⁸ 423.14; 423.15 Watercare

²⁰⁹ 697.61 Waikato District Council

- ²¹⁰ 423.14; 423.15 Watercare

14.12 Transportation

14.12.1 Permitted Activities

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

| Activity | | Activity specific conditions |
|----------|-----------------------------------|---|
| PI | Vehicle access for all activities | <p>14.12.1.1</p> <p>(I) All activities must comply with the following vehicle access conditions:</p> <p>(a) The site has a vehicle legal physical access to a formed road that is maintained by a road controlling authority;²¹¹</p> <p>(b) The site has a vehicle access that is constructed to comply with the relevant requirements of Table 14.12.5.1, Figure 14.12.5.2, Table 14.12.5.3 and Figure 14.12.5. Table 14.12.5.14 and Table 14.12.5.15²¹² except:</p> <p>i. Rule 14.12.1.1(1)(b) does not apply where the separation distance requirements of Table 14.12.5.1 and Figure 14.12.5.2 cannot be achieved on a site's road frontage due to existing vehicle accesses on adjacent sites;</p> <p>(c) No new vehicle access shall be created from Newell Road (south of Birchwood Lane);</p> <p>(d) No access, access leg or right-of-way shall run parallel to any road within 30m of the road, except:</p> <p>i. Rule 14.12.1.1(1)(d) does not apply to farm races, or unsealed internal rural accesses in sites within the Rangitahi Peninsula Structure Plan Area and Opororu Road;</p> <p>(e) On a site with legal access to two roads, the activity only accesses the road with the lower classification in the road hierarchy in Tables 14.12.5.5 and 14.12.5.6 (where the roads have the same classification, access is only to the road with the lower average daily traffic movements);</p> <p>(f) New vehicle accesses/entrances are not to be constructed to any site from the following roads:</p> <p>i. Main Street, Huntly;</p> <p>ii. Jesmond Street, Ngaruawahia;</p> <p>iii. Bow Street, Raglan (James Street to Cliff Street);</p> <p>iv. George Street, Tuakau (Gibson Road to Liverpool Street);</p> <p>v. Great South Road, Pokeno (Selby Street to Market Street); and</p> <p>vi. Main Street, Te Kauwhata (Saleyard Road to Baird Avenue); and</p> |

²¹¹ 742.95 NZTA

²¹² 378.16 FENZ

| | | |
|-----------|------------------------------------|---|
| | | <p>(g) No new vehicle access shall be created within 30 metres of a railway level crossing.</p> <p>(h) <u>All existing and new accesses and roads that cross an operational rail network via a level crossing must be maintained in accordance with the sight line triangles provided in Table 14.12.5.22.</u>²¹³</p> <p>(i) <u>New vehicle access shall not be located within an Identified Area</u>²¹⁴</p> <p>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, <u>and on a limited access road will require the approval of the road controlling authority.</u>²¹⁵</p> |
| <p>P2</p> | <p>On-site parking and loading</p> | <p>14.12.1.2</p> <p>(I) All activities must comply with the following on-site parking and loading conditions:</p> <p>(a) The parking requirements in Table 14.12.5.7 and 14.12.5.11, noting:</p> <ul style="list-style-type: none"> 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 and²¹⁶ 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. <p>(b) On-site bicycle space requirements in Table 14.12.5.10, except:</p> <ul style="list-style-type: none"> i. The requirements of Table 14.12.5.10 do not apply to residential and rural activities; <p>(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 from being viewed from the road;²¹⁷</p> <p>(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;</p> |

²¹³ 986.87 KiwiRail

²¹⁴ 81.246 Waikato Regional Council

²¹⁵ 742.96 NZTA

²¹⁶ 742.98 NZTA; 697.62 Waikato District Council

²¹⁷ 697.63 Waikato District Council

| | | |
|-----------|--|--|
| | | <p>(e) On-site car parking spaces and loading bays are formed to be sealed if five or more parking spaces are required; ²¹⁸</p> <p>(f) On-site car parking spaces and loading bays are to be permanently marked if five or more parking spaces are required;</p> <p>(g) On-site car parking spaces and loading bays are not to be located on any shared access or residential living ²¹⁹ court;</p> <p>(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;</p> <p>(i) On-site car parking spaces and loading bays are not required on sites with sole frontages to the following:</p> <ul style="list-style-type: none"> 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). <p>(j) New on-site parking and loading bays shall not be located within an Identified Area ²²⁰</p> |
| <p>P3</p> | <p>On-site manoeuvring and queuing</p> | <p>14.12.1.3</p> <p>(I) All activities must comply with the following on-site manoeuvring and queuing conditions:</p> <p>(a) On-site manoeuvring space shall be provided to ensure that no vehicle is required to reverse enter from or to ²²¹ a road except;</p> <ul style="list-style-type: none"> i. Rule 14.12.1.3(1)(a) does not apply to Local Roads within the Residential and Village Zones with a posted speed limit of less than 60 kph km/h. ²²² <p>(b) A 90th ²²³ 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;</p> <p>(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 the guideline RTS-18—New Zealand on-road tracking curves for heavy motor vehicles (2007); ²²⁴</p> <p>(d) On-site manoeuvring space shall be formed;</p> <p>(e) On-site queuing space shall be provided in accordance with Table 14.12.5.12 for vehicles entering and exiting any on-site car parking, loading or manoeuvring space, where:</p> |

²¹⁸ 697.64 Waikato District Council
²¹⁹ 697.65 Waikato District Council
²²⁰ 81.246 Waikato Regional Council
²²¹ 697.66 Waikato District Council
²²² 742.99 NZTA
²²³ 742.100 NZTA
²²⁴ 742.101 NZTA

| | | |
|-----------|---------------------------|--|
| | | <ul style="list-style-type: none"> i. Length is measured from the road boundary where vehicles first enter the site; and ii. On-site queuing above must not encroach into the required on-site manoeuvring area; <p>(f) On-site manoeuvring and queuing spaces are not required on sites with vehicle accesses/entrances to the following:</p> <ul style="list-style-type: none"> 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). <p>(g) <u>New on-site manoeuvring shall not be located within an Identified Area</u>²²⁵</p> |
| <p>P4</p> | <p>Traffic generation</p> | <p>14.12.1.4</p> <p>(I) <u>Where any site gains access from an arterial or regional arterial (including state highway) road, there is a maximum of 50 Equivalent Car Movements (ECM) per day.</u>²²⁶</p> <p><u>Note: ECM - 1 car movement is equivalent to 1 car movement / 1 truck movement is equivalent to 3 car movements / 1 truck and trailer movement is equivalent to 5 car movements.</u></p> <p><u>Any activity Any other Each site</u>²²⁷ must comply with the following traffic generation conditions:</p> <ul style="list-style-type: none"> (a) Within the Residential, Village or Country Living Zones there is a maximum of 100 vehicle movements <u>per site</u>²²⁸ per day, and no more than 15% of these vehicle movements are <u>heavy vehicle</u> movements; or (b) Within the Rangitahi Peninsula Zone there is a maximum of 200 vehicle movements <u>per site</u>²²⁹ per day, and no more than 5% of these vehicle movements are <u>heavy vehicle</u> movements; or (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>²³⁰ per day, and no more than 15% of these vehicle movements are <u>heavy vehicle</u> movements; or (d) Within the Rural Zone: <ul style="list-style-type: none"> i. There is maximum 200 vehicle movements <u>per site</u>²³¹ per day and no more than 15% of these vehicle movements are <u>heavy vehicle</u> movements; or ii. <u>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</u>²³² |

²²⁵ 81.246 Waikato Regional Council
-²²⁶ 742.105 NZTA

²²⁷ 697.68 Waikato District Council

²²⁸ 742.102 NZTA

²²⁹ 742.102 NZTA

²³⁰ 742.102 NZTA

²³¹ 742.102 NZTA

²³² 419.107 Hort NZ; 466.3 Balle Bros Group

| | | |
|--|--|---|
| | | <ul style="list-style-type: none"> 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>²³³ per day; or (e) Within the Industrial and Heavy Industrial Zone (excluding the Huntly Power Station and Huntly Quarry <u>site</u>): <ul style="list-style-type: none"> i. Maximum 250 vehicle movements <u>per site</u>²³⁴ per day and no more than 15% of these vehicle movements are heavy vehicle movements; or (f) From the Huntly Power Station site as shown as the Industrial Zone Heavy²³⁵ on the planning maps: <ul style="list-style-type: none"> i. All <u>traffic vehicle</u>²³⁶ 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 <u>per site</u>²³⁷ per day; and ii. Maximum 300 of these vehicle movements are <u>heavy vehicle</u> movements; or (g) From the Huntly Quarry <u>site</u>: <ul style="list-style-type: none"> i. All <u>traffic vehicle</u>²³⁸ 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 <u>per site</u>²³⁹ per day; and ii. No more than 150 of these vehicle movements are heavy vehicle movements, increasing to 200 once the Huntly Bypass section of the Waikato Expressway is open for public use. (h) Within Precincts A and B of the Te Kowhai Airpark Zone²⁴⁰ there is a maximum 250 vehicle movements <u>per site</u>²⁴¹ per day and no more than 15% of these vehicle movements are <u>heavy vehicle</u> movements. (i) Within Precincts C and D of the Te Kowhai Airpark Zone²⁴² there is a maximum of 30 vehicle movements <u>per site</u>²⁴³ per day and no more than 4 of these vehicle movements are <u>heavy vehicle</u> movements except: <ul style="list-style-type: none"> 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. (j) <u>From the Horotiu Industrial Park does not exceed 15.4 trips/ha gross land area/peak hour.</u>²⁴⁴ <p>Note: <u>Where the likely traffic-generation vehicle movement</u>²⁴⁵ <u>rates</u> <u>or the actual generation rates of the actual activity are unknown.</u>²⁴⁶</p> |
|--|--|---|

²³³ 742.102 NZTA

²³⁴ 742.102 NZTA

²³⁵ 697.518 Waikato District Council

²³⁶ 697.67 Waikato District Council

²³⁷ 742.102 NZTA

²³⁸ 697.67 Waikato District Council

²³⁹ 742.102 NZTA

²⁴⁰ 697.519 Waikato District Council

²⁴¹ 742.102 NZTA; 823.3 NZTE Operations Limited

²⁴² 697.519 Waikato District Council

²⁴³ 742.102 NZTA; 823.3 NZTE Operations Limited

²⁴⁴ 578.39 POAL

²⁴⁵ 781.8 Ministry of Education

²⁴⁶ 578.39 POAL

| | | |
|----|---|---|
| | | Table 14.12.5.13 provides indicative traffic generation rates for various activities. |
| P5 | Operation, maintenance and minor upgrading of existing public roads, State Highways and associated road network activities | <p>14.12.1.5</p> <p>(I) Operation, maintenance and minor upgrading of existing public roads, State Highways, rail corridors and associated rail network and²⁴⁷ road network activities must comply with the following conditions:</p> <p>(a) The works occur within the road reserve or unformed road or railway corridor;²⁴⁸</p> <p>(b) Works within the road or railway corridor must be for the purpose of:²⁴⁹</p> <p>(i) Maintaining or improving effectiveness or efficiency consistent with the incidental to, and serve a supportive function of for,²⁵⁰ the existing public road or railway corridor;⁹⁶ or</p> <p>(ii) Maintaining or improving safety for road users or adjacent properties Required for the safety of road users; or²⁵¹</p> <p>iii. Required for the safety of adjacent landowners or occupiers;⁹⁷</p> <p>Lighting shall be designed and located to comply with the Australia New Zealand Roadway Lighting Standard I 158, (series) – Lighting for Roads and Public Spaces: 2005; and</p> <p>(c) Any earthworks must comply with Rule 14.3.1.3.</p> |
| P6 | New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities | <p>14.12.1.6</p> <p>(I) 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:</p> <p>(a) The public road is located within road or unformed road as shown on the planning maps;²⁵²</p> <p>(b) The public road is not located within an Identified Area;</p> <p>(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:</p> <p>i. Any National routes or Regional arterial roads would shall²⁵³ be subject to Rule 14.12.2 (RD6);</p> <p>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;</p> <p>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</p> |

²⁴⁷ 986.84 KiwiRail

²⁴⁸ 742.103 NZTA; 986.84 KiwiRail

²⁴⁹ 742.103 NZTA; 986.84 KiwiRail

²⁵⁰ 742.103 NZTA; 986.84 KiwiRail

²⁵¹ 742.103 NZTA

²⁵² 697.70 Waikato District Council

²⁵³ 742.242 NZTA

| | | |
|-----------|--|---|
| | | <ul style="list-style-type: none"> iv. The requirements of Table 14.12.5.14 or 14.12.5.15 shall not apply to taxiways within the Te Kowhai Airpark Zone. (d) Within road or unformed road located within the Tamahere Country Living Zone, all roads must: <ul style="list-style-type: none"> i. Comply with the The²⁵⁴ minimum widths specified in Figure 14.12.5.17; and ii. Have swale drains on both sides of the carriageway capable of collecting all road runoff and overland flow towards the road or right of way from a 20% Annual Exceedance Period Probability²⁵⁵ event; and iii. In areas of poorly-drained soils, either the stormwater is to be directed to areas with higher infiltration, or infiltration systems are to be constructed. (e) Within road or unformed road located within the Rangitahi Peninsula Zone, the relevant access and road requirements of the Rangitahi Structure Plan take priority over the conditions in Table 14.12.5.14 or 14.12.5.15 in the event of any conflict; (f) Within road or unformed road located within the Te Kauwhata Structure Plan area, being Residential Ecological Te Kauwhata, Residential West Te Kauwhata, and Residential Te Kauwhata South:²⁵⁶ <ul style="list-style-type: none"> i. All roads and vehicle accesses shall be constructed in accordance with Table 14.12.5.14 and Figures 14.12.5.18, 14.12.5.19 and 14.12.5.20; and ii. Stormwater collection must be through grassed swales prior to reaching reticulated systems. (g) Any earthworks must comply with Rule 14.3.1.3. <p>Note: Where the conditions of Table 14.12.5.14 or 14.12.5.15 do not specify a specific dimension and instead state this aspect is subject to a specific design; this aspect of the road is considered to be exempt when determining a permitted activity under Rule 14.12.1.6(1). The design of that specific aspect of the road is therefore subject to a separate certification process by the relevant road controlling authority.</p> |
| <p>P7</p> | <p>Access and New Roads – Te Kowhai Airpark Zone²⁵⁷</p> | <p>14.12.1.7</p> <ul style="list-style-type: none"> (1) Airpark roads which are to be vested in Council must comply with the following conditions: <ul style="list-style-type: none"> (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 style="list-style-type: none"> i. The requirements of Table 14.12.5.14 or 14.12.5.15 shall not apply to taxiways within Te Kowhai airpark. (2) Road alignment and the taxiway network within the Te Kowhai Airpark Zone²⁵⁸ shall be in general²⁵⁹ accordance with Appendix 9 – The Te Kowhai Airpark Zone²⁶⁰ Framework Plan. |

²⁵⁴ 742.242 NZTA

²⁵⁵ 697.69 Waikato District Council

²⁵⁶ 368.17 Ian McAlley

²⁵⁷ 697.519 Waikato District Council

²⁵⁸ 697.519 Waikato District Council

²⁵⁹ 823.4 NZTE Operations Limited

²⁶⁰ 697.519 Waikato District Council

| | | |
|-----|---|--|
| | | <p>(3) The western boundary of the Te Kowhai Airpark Zone²⁶¹ shall provide for future connectivity options (vehicular and / or pedestrian) in <u>general</u>¹⁰³ accordance with the location identified in Appendix 9 – The Te Kowhai Airpark Zone²⁶² Framework Plan.</p> <p>(4) Any <u>earthworks</u> must comply with <u>Rule 14.3.1.3</u>.</p> |
| P8 | <p>Off-road pedestrian <u>walkways</u> and <u>cycleways facilities</u>,²⁶³ <u>being sections of the public walkway and cycleway network that are not located within the road network</u>²⁶⁴</p> | <p>14.12.1.8</p> <p>(a) Off-road pedestrian <u>walkways</u> and/or <u>cycleways eyeing facilities</u>,²⁶⁵ that comply with all of the following conditions:</p> <ul style="list-style-type: none"> i. Have a minimum 2.0m width <u>or 2.5m where alongside an arterial road or forming a shared path</u>;²⁶⁶ ii. Are formed; iii. Comply with the relevant setback standards for the applicable zone; and²⁶⁷ —iv. Any earthworks must comply with Rule 14.3.1.3; and iv. Are not located within an Identified Area |
| P9 | <p>Stock underpasses located within:</p> <ul style="list-style-type: none"> (a) Road and unformed road (b) Rural Zone | <p>14.12.1.9</p> <p>(I) Stock underpasses in the Rural Zone located in the road and unformed road that comply with all of the following conditions:</p> <ul style="list-style-type: none"> (a) Any <u>earthworks</u> must comply with <u>Rule 14.3.1.3</u>; and (b) Are not located within an Identified Area. |
| P10 | <p><u>Esplanade reserves and strips where a road is stopped</u></p> | <p><u>14.12.1.10 (a) Where land comprising a stopped road or any part of a stopped road adjoins:</u></p> <p><u>(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</u></p> <p><u>(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;</u></p> <p><u>(iv) in Appendix 5 (Esplanade Priority Areas); or</u></p> <p><u>(v) on the planning maps as requiring an esplanade reserve, esplanade strip or access strip to be set aside.</u>²⁶⁸</p> |

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.

²⁶¹ 697.519 Waikato District Council
²⁶² 697.519 Waikato District Council
²⁶³ 697.71 Waikato District Council
²⁶⁴ 535.63 Hamilton City Council
²⁶⁵ 697.71 Waikato District Council
²⁶⁶ 535.63 Hamilton City Council
²⁶⁷ 535.64 Hamilton City Council
²⁶⁸ 697.80 Waikato District Council

| Activity | | Matters of Discretion |
|----------|---|---|
| RD1 | Vehicle access that does not comply with one or more of the conditions of Rule 14.12.1.1 | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) Traffic generation by the activities to be served by the access; (b) Location, design, construction and materials of the vehicle access; (c) Safety for vehicles and pedestrians <u>all users of the access and/or intersecting road including but not limited to vehicle occupants or riders and pedestrians;</u> ²⁶⁹ (d) Road network safety and efficiency; and (e) Mitigation to address safety <u>and/or efficiency, including access clearance requirements for fire-fighting purposes.</u> ²⁷⁰ (f) <u>The foreseeable needs for access by emergency services and their vehicles</u> ²⁷¹ (g) <u>The extent to which the safety and efficiency of rail and road operations will be adversely affected, including:</u> <ul style="list-style-type: none"> i. <u>The outcome of any consultation with KiwiRail; NZTA; Waikato District Council, as the rail or road controlling authority.</u> ii. <u>Any characteristics of the proposed use that will make compliance unnecessary.</u> ²⁷² (h) <u>Management of effects on the values of the Identified Area</u> ²⁷³ |
| RD2 | On-site parking and loading that does not comply with one or more of the conditions of Rule 14.12.1.2 | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) The number, area, type, location and marking of parking spaces; (b) The area, design, gradient, stormwater management, construction and materials of parking and loading spaces; (c) Accessibility of parking areas from on-site activities; (d) Safety for vehicles and pedestrians <u>all users of the access and/or intersecting road including but not limited to vehicle occupants, vehicle riders and pedestrians;</u> ²⁷⁴ (e) Mitigation to address amenity and connectivity. (f) <u>Need for parking spaces.</u> ²⁷⁵ (g) <u>The foreseeable needs for access by emergency services and their vehicles.</u> ²⁷⁶ (h) <u>Management of effects on the values of the Identified Area</u> ²⁷⁷ |
| RD3 | On-site manoeuvring and queuing that does not comply | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) Location, area, design, construction and materials of the manoeuvring and queuing space; |

²⁶⁹ 742.245 NZTA

²⁷⁰ 378.17 FENZ

²⁷¹ 297.51 Counties Manukau Police

²⁷² 986.86 KiwiRail

²⁷³ 81.246 Waikato Regional Council

²⁷⁴ 742.246 NZTA

²⁷⁵ 697.72 Waikato District Council

²⁷⁶ 297.59 Counties Manukau Police

²⁷⁷ 81.246 Waikato Regional Council

| | <p>with one or more of the conditions of Rule 14.12.1.3</p> | <p>(b) Type and frequency of use; (c) Safety design for vehicles and pedestrians <u>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;</u>²⁷⁸ (d) Road network safety and efficiency. (e) <u>Management of effects on the values of the Identified Area</u>²⁷⁹</p> | | | | | | | | |
|-----------------------------------|---|---|-------------------------|-------------------------------|----------------------|--|------------------------------|---|-----------------------------------|---|
| <p>RD4</p> | <p>Traffic generation that does not comply with one or more of the conditions of Rule 14.12.1.4</p> | <p>Discretion is restricted to:</p> <p>(a) The trip characteristics of associated with <u>on the site;</u>²⁸⁰ (b) Safety design for vehicles and pedestrians <u>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;</u>²⁸¹ (c) Road <u>Land transport</u> network safety and efficiency, particularly at peak traffic times <u>(of both the activity and road network);</u>²⁸² (d) Mitigation to address adverse effects, such as:</p> <ul style="list-style-type: none"> • Travel planning; • Providing alternatives to private vehicle trips, including accessibility to public transport; • Staging development; and • Contributing to improvements to the road network. <p><u>The following information shall be provided with an application for resource consent.</u>²⁸³</p> <p>(a) <u>If a site gains access from a regional arterial (including state highway) road and generates 51 – 100 ECM per day a simple Integrated Transport Assessment (ITA), or more than 100 ECM per day a broad ITA</u> (b) <u>If a site gains access from an arterial road and generates 51 – 250 ECM per day a simple ITA, or more than 250 ECM per day a broad ITA</u> (c) <u>Any other site, if not complying with one or more of the conditions of Rule 14.12.1.4, a broad ITA</u> (d) <u>A simple ITA shall contain:</u></p> <table border="1" data-bbox="746 1395 1465 1702"> <thead> <tr> <th><u>Item Description</u></th> <th><u>Details to be included</u></th> </tr> </thead> <tbody> <tr> <td><u>1. Background</u></td> <td><u>Description of proposed activity, purpose and intended use of ITA</u></td> </tr> <tr> <td><u>2. Existing land data</u></td> <td><u>Description of location, site layout, existing use, adjacent and surrounding land use.</u></td> </tr> <tr> <td><u>3. Existing transport data</u></td> <td><u>Description of access arrangements, onsite car parking, surrounding road network (including hierarchy, traffic volumes and crash analysis). Comment on public transport, walking and cycling networks.</u></td> </tr> </tbody> </table> | <u>Item Description</u> | <u>Details to be included</u> | <u>1. Background</u> | <u>Description of proposed activity, purpose and intended use of ITA</u> | <u>2. Existing land data</u> | <u>Description of location, site layout, existing use, adjacent and surrounding land use.</u> | <u>3. Existing transport data</u> | <u>Description of access arrangements, onsite car parking, surrounding road network (including hierarchy, traffic volumes and crash analysis). Comment on public transport, walking and cycling networks.</u> |
| <u>Item Description</u> | <u>Details to be included</u> | | | | | | | | | |
| <u>1. Background</u> | <u>Description of proposed activity, purpose and intended use of ITA</u> | | | | | | | | | |
| <u>2. Existing land data</u> | <u>Description of location, site layout, existing use, adjacent and surrounding land use.</u> | | | | | | | | | |
| <u>3. Existing transport data</u> | <u>Description of access arrangements, onsite car parking, surrounding road network (including hierarchy, traffic volumes and crash analysis). Comment on public transport, walking and cycling networks.</u> | | | | | | | | | |

²⁷⁸ 742.104 NZTA

²⁷⁹ 81.246 Waikato Regional Council

²⁸⁰ 742.106 NZTA

²⁸¹ 742.107 NZTA

²⁸² 742.108 NZTA

²⁸³ 742.105 NZTA

| | | <p>4. Committed environmental changes</p> <p>5. Existing travel characteristics</p> <p>6. Proposal details</p> <p>7. Predicted travel data</p> <p>8. Appraisal of transportation effects</p> <p>9. Avoiding or mitigating actions</p> <p>10. Compliance with policy and other frameworks</p> <p>11. Discussion and conclusions</p> <p>12. Recommendations</p> <p>(e) A broad ITA shall contain:</p> <table border="1"> <thead> <tr> <th>Item Description</th> <th>Details to be included</th> </tr> </thead> <tbody> <tr> <td>1. Background</td> <td>Description of proposed activity, purpose and intended use of ITA, outline of any previous discussions with Council</td> </tr> <tr> <td>2. Existing land data</td> <td>Description of location, site layout, existing use, adjacent and surrounding land use.</td> </tr> <tr> <td>3. Existing transport data</td> <td>Description of existing access and service arrangements, onsite car parking; Description of , surrounding road network (including hierarchy, traffic volumes, crash analysis, congestion and intersections; Description of public transport modes, walking and cycling networks.</td> </tr> <tr> <td>4. Committed environmental changes</td> <td>Consideration of other developments and land use and transport network improvements (including public transport, walking and cycling)</td> </tr> <tr> <td>5. Existing travel characteristics</td> <td>Existing trip generation, modal split, assignment of trips to the network.</td> </tr> <tr> <td>6. Proposal details</td> <td>Description of the proposal (site layout, operational hours, vehicle access, on site car parking and drop off, internal vehicle circulation, end of journey facilities, travel demand management); Construction management Any staging, triggers and thresholds for activities and mitigation measures.</td> </tr> <tr> <td>7. Predicted travel data</td> <td>Trip generation of proposal, modal split, trip assignment to the network, trip distribution and trip type proportions. Future traffic volumes and trip generation. Consideration of appropriate assessment year (eg 10 year forecast for local and collector roads; 30 year forecast for arterials).</td> </tr> <tr> <td>8. Appraisal of transportation effects</td> <td>Assessment of safety, efficiency and environmental effects. Sensitivity testing</td> </tr> <tr> <td>9. Avoiding or mitigating actions</td> <td>Details of any mitigating measures and revised effects. This should include travel planning and travel demand management measures and sensitivity testing mitigations</td> </tr> </tbody> </table> | Item Description | Details to be included | 1. Background | Description of proposed activity, purpose and intended use of ITA, outline of any previous discussions with Council | 2. Existing land data | Description of location, site layout, existing use, adjacent and surrounding land use. | 3. Existing transport data | Description of existing access and service arrangements, onsite car parking; Description of , surrounding road network (including hierarchy, traffic volumes, crash analysis, congestion and intersections; Description of public transport modes, walking and cycling networks. | 4. Committed environmental changes | Consideration of other developments and land use and transport network improvements (including public transport, walking and cycling) | 5. Existing travel characteristics | Existing trip generation, modal split, assignment of trips to the network. | 6. Proposal details | Description of the proposal (site layout, operational hours, vehicle access, on site car parking and drop off, internal vehicle circulation, end of journey facilities, travel demand management); Construction management Any staging, triggers and thresholds for activities and mitigation measures. | 7. Predicted travel data | Trip generation of proposal, modal split, trip assignment to the network, trip distribution and trip type proportions. Future traffic volumes and trip generation. Consideration of appropriate assessment year (eg 10 year forecast for local and collector roads; 30 year forecast for arterials). | 8. Appraisal of transportation effects | Assessment of safety, efficiency and environmental effects. Sensitivity testing | 9. Avoiding or mitigating actions | Details of any mitigating measures and revised effects. This should include travel planning and travel demand management measures and sensitivity testing mitigations | <p>Consideration of other developments and land use in the immediate vicinity.</p> <p>Trip generation of existing use.</p> <p>Consideration of other developments and land use in the immediate vicinity.</p> <p>Trip generation of proposal. Consideration of other modes.</p> <p>Assessment of safety, efficiency and environmental effects.</p> <p>Details of any mitigating measures and revised effects.</p> <p>Waikato District Plan objectives, policies and rules.</p> <p>Assessment of effects and conclusion of effects.</p> <p>Proposed conditions (if any).</p> |
|--|---|--|------------------|------------------------|---------------|---|-----------------------|--|----------------------------|--|------------------------------------|---|------------------------------------|--|---------------------|---|--------------------------|--|--|---|-----------------------------------|---|---|
| Item Description | Details to be included | | | | | | | | | | | | | | | | | | | | | | |
| 1. Background | Description of proposed activity, purpose and intended use of ITA, outline of any previous discussions with Council | | | | | | | | | | | | | | | | | | | | | | |
| 2. Existing land data | Description of location, site layout, existing use, adjacent and surrounding land use. | | | | | | | | | | | | | | | | | | | | | | |
| 3. Existing transport data | Description of existing access and service arrangements, onsite car parking; Description of , surrounding road network (including hierarchy, traffic volumes, crash analysis, congestion and intersections; Description of public transport modes, walking and cycling networks. | | | | | | | | | | | | | | | | | | | | | | |
| 4. Committed environmental changes | Consideration of other developments and land use and transport network improvements (including public transport, walking and cycling) | | | | | | | | | | | | | | | | | | | | | | |
| 5. Existing travel characteristics | Existing trip generation, modal split, assignment of trips to the network. | | | | | | | | | | | | | | | | | | | | | | |
| 6. Proposal details | Description of the proposal (site layout, operational hours, vehicle access, on site car parking and drop off, internal vehicle circulation, end of journey facilities, travel demand management); Construction management Any staging, triggers and thresholds for activities and mitigation measures. | | | | | | | | | | | | | | | | | | | | | | |
| 7. Predicted travel data | Trip generation of proposal, modal split, trip assignment to the network, trip distribution and trip type proportions. Future traffic volumes and trip generation. Consideration of appropriate assessment year (eg 10 year forecast for local and collector roads; 30 year forecast for arterials). | | | | | | | | | | | | | | | | | | | | | | |
| 8. Appraisal of transportation effects | Assessment of safety, efficiency and environmental effects. Sensitivity testing | | | | | | | | | | | | | | | | | | | | | | |
| 9. Avoiding or mitigating actions | Details of any mitigating measures and revised effects. This should include travel planning and travel demand management measures and sensitivity testing mitigations | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|-----|--|--|---|
| | | <p><u>10. Compliance with policy and other frameworks</u></p> <p><u>11. Discussion and conclusions</u></p> <p><u>12. Recommendations</u></p> | <p>Waikato District Plan objectives, policies and rules.</p> <p>Assessment of effects and conclusion of effects.</p> <p>Proposed conditions (if any).</p> |
| RD5 | <p>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</p> | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) Adverse effects on amenity values, including construction effects such as vibration and noise; (b) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions; (c) Severance and changes to drainage patterns; (d) The benefits provided by the activity, including safety and efficiency of the road network; (e) Management of sediment and dust, including the staging of works; (f) The volume, extent and depth of the earthworks activities; (g) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site. | |
| RD6 | <p>New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities that:</p> <ul style="list-style-type: none"> (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 | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) Adverse effects on amenity values, including construction effects such as vibration and noise; (b) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions; (c) Severance and changes to drainage patterns; (d) The benefits provided by the activity, including safety and efficiency of the road network; (e) Management of sediment and dust, including the staging of works; (f) The volume, extent and depth of the earthworks activities; (g) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site. | |
| RD7 | <p>Access and New Roads – Te Kowhai Airpark Zone²⁸⁴ that do not comply with one or more of the conditions of Rule 14.12.1.7</p> | <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> (a) The extent to which the Te Kowhai Airpark Zone²⁸⁵ Framework Plan is not complied with; (b) The extent to which connectivity can safely and practically be achieved between Te Kowhai aerodrome and Te Kowhai village; (c) Adverse effects on amenity values, including construction effects such as vibration and noise; (d) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions; (e) Severance and changes to drainage patterns; (f) The benefits provided by the activity, including safety and efficiency of the road network; (g) Management of sediment and dust, including the staging of works; (h) The volume, extent and depth of the earthworks activities; (i) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site or area;²⁸⁶ (j) adverse effects on the safety and efficiency of the land transport network.²⁸⁷ | |

²⁸⁴ 697.519 Waikato District Council

²⁸⁵ 697.519 Waikato District Council

²⁸⁶ 559.211 Heritage NZPT

²⁸⁷ 742.109 NZTA

| | | |
|---------------------|--|--|
| RD8 | Off-road pedestrian and cycle facilities that do not comply with one or more of the conditions of Rule 14.12.1.8 | Discretion is restricted to: (a) Design, construction and materials; (b) Safety for cyclists and pedestrians; (c) Connectivity with other off-road pedestrian and cycle facilities and the road network; and (d) Visual and amenity effects. <u>(e) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site or area.</u> ²⁸⁸ |
| RD9 | <u>Buildings and structures within a road/rail level crossing sight triangle</u> | Discretion is restricted to: <u>1. The extent to which the safety and efficiency of rail and road operations will be adversely affected</u> <u>2. The outcome of any consultation with KiwiRail</u> <u>3. Any characteristics of the proposed use that will make compliance unnecessary.</u> ²⁸⁹ |

14.12.3 Discretionary Activities

(a) The activities listed below are discretionary activities.

| | |
|--------------------|--|
| D1 | Stock underpasses not provided for under Rule 14.12.1.9 |
| D2 | New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities that are located within an Identified Area |
| D3 | <u>Esplanade reserves where a road is stopped that does not comply with Rule (14.12.1.10)</u> ²⁹⁰ |

²⁸⁸ 559.212 Heritage NZPT

²⁸⁹ 986.87 KiwiRail

²⁹⁰ 697.80 Waikato District Council

14.12.5 Transportation tables and figures

Table 14.12.5.1 - Separation distances ²⁹¹

| Separation distance of an access onto a road from an intersection or between accesses | | | | | | | | | |
|---|-----------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|
| Posted Speed Environment | Design Speed ²⁹² | Distance (m) | | | | | | | |
| | | P | | K | | M | | N | |
| | | National Regional Arterial and Arterial | Collector Road and Local Road | National Regional Arterial and Arterial | Collector Road and Local Road | National Regional Arterial and Arterial | Collector Road and Local Road | National Regional Arterial and Arterial | Collector Road and Local Road |
| 100 km/h | <u>110 km/h</u> | 800 | 500 | 200 <u>500</u> | 100 | 60 | | 200 | 100 |
| 80 km/h | <u>100 km/h</u> | 550 | 200 <u>305</u> | 120 <u>305</u> | 80 | | | 100 | 80 |
| 70 km/h | <u>80 km/h</u> | 220 | 200 | 100 <u>220</u> | 30 | 45 | | 40 | 30 |
| <u>60 km/h</u> | <u>70 km/h</u> | <u>160</u> | <u>160</u> | <u>160</u> | | | | 20 | |

²⁹¹ 742.110 NZTA

²⁹² 697.81 Waikato District Council

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

Note: The references P, K, M and N are illustrated in [Figure 14.12.5.2](#)

Figure 14.12.5.2 - Separation distances

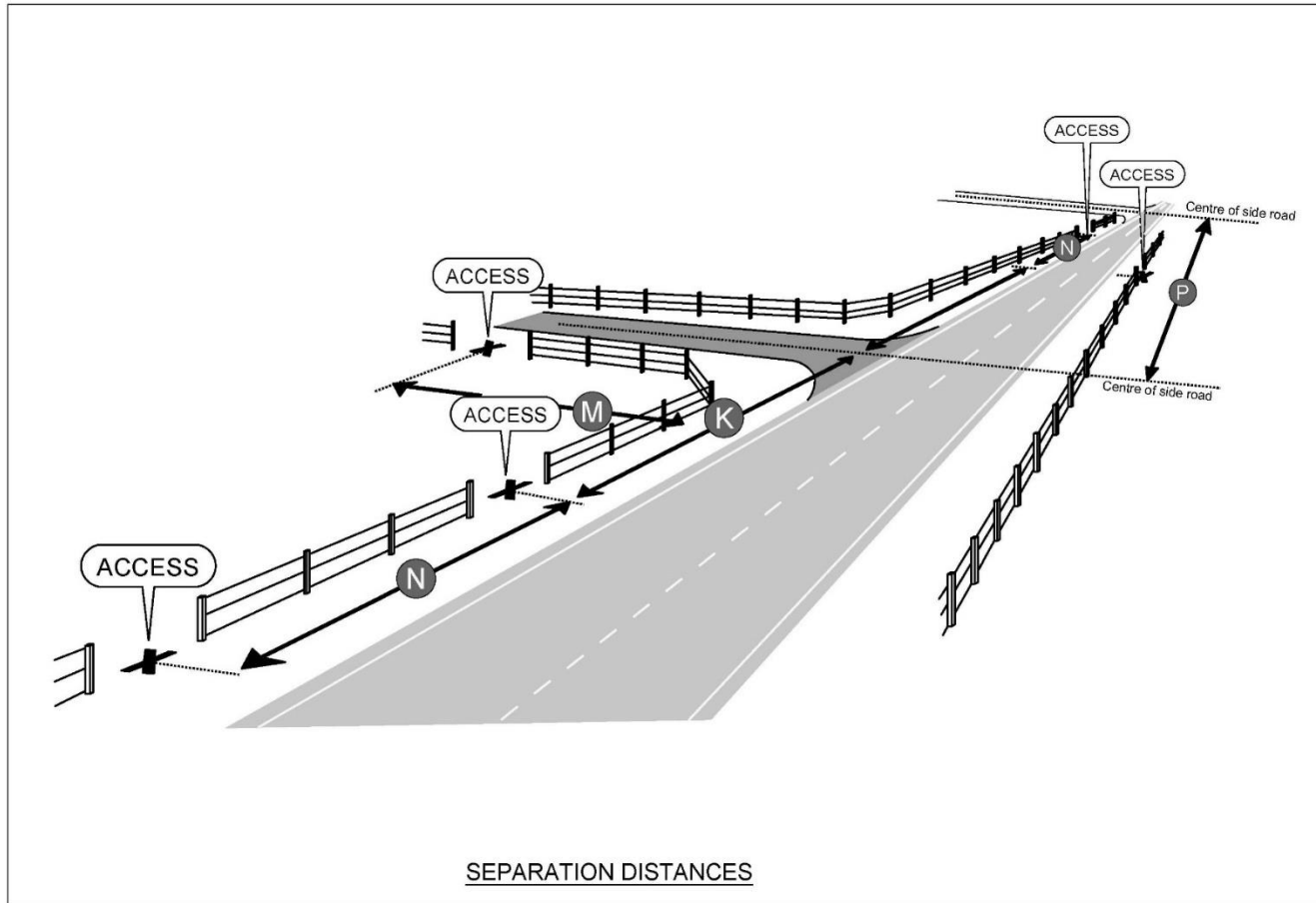


Table 14.12.5.3 - Minimum sight distances ²⁹³

| Design Speed Environment (km/h) ²⁹⁴ | 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 | 40m <u>65m</u> | 70m <u>75m</u> | 60m <u>65m</u> |
| 50 | 60m <u>90m</u> | 90m <u>100m</u> | 80m <u>90m</u> |
| 60 | 80m <u>115m</u> | 115m <u>125m</u> | 105m <u>115m</u> |
| 70 | 100m <u>140m</u> | 140m <u>150m</u> | 130m <u>140m</u> |
| 80 | 130m <u>180m</u> | 175m <u>180m</u> | 165m <u>170m</u> |
| 90 | 160m <u>215m</u> | 210m <u>215m</u> | |
| 100 | 200m <u>250m</u> | 250m | |
| 110 | 240m <u>290m</u> | 290m | |
| 120 | | 330m | |

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.

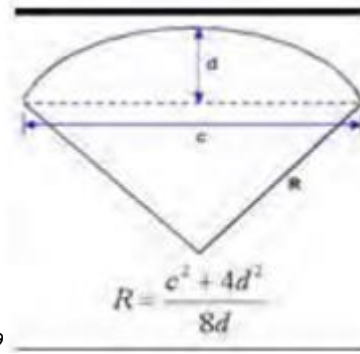
²⁹³ 742.112 NZTA

²⁹⁴ 697.82 Waikato District Council

| Road Centreline Radius | Approx. Design Speed |
|------------------------|----------------------|
| 0 - 45m | 50 km/h |
| 45 - 60m | 60 km/h |
| 60 - 80m | 65 km/h |
| 80 - 100m | 70 km/h |
| 100 - 120m | 75 km/h |
| 120 - 150m | 80 km/h |
| 150 - 200m | 85 km/h |
| 200 - 300m | 95 km/h |
| 300 - 400m | 100 km/h |
| >400m | 110km/h |

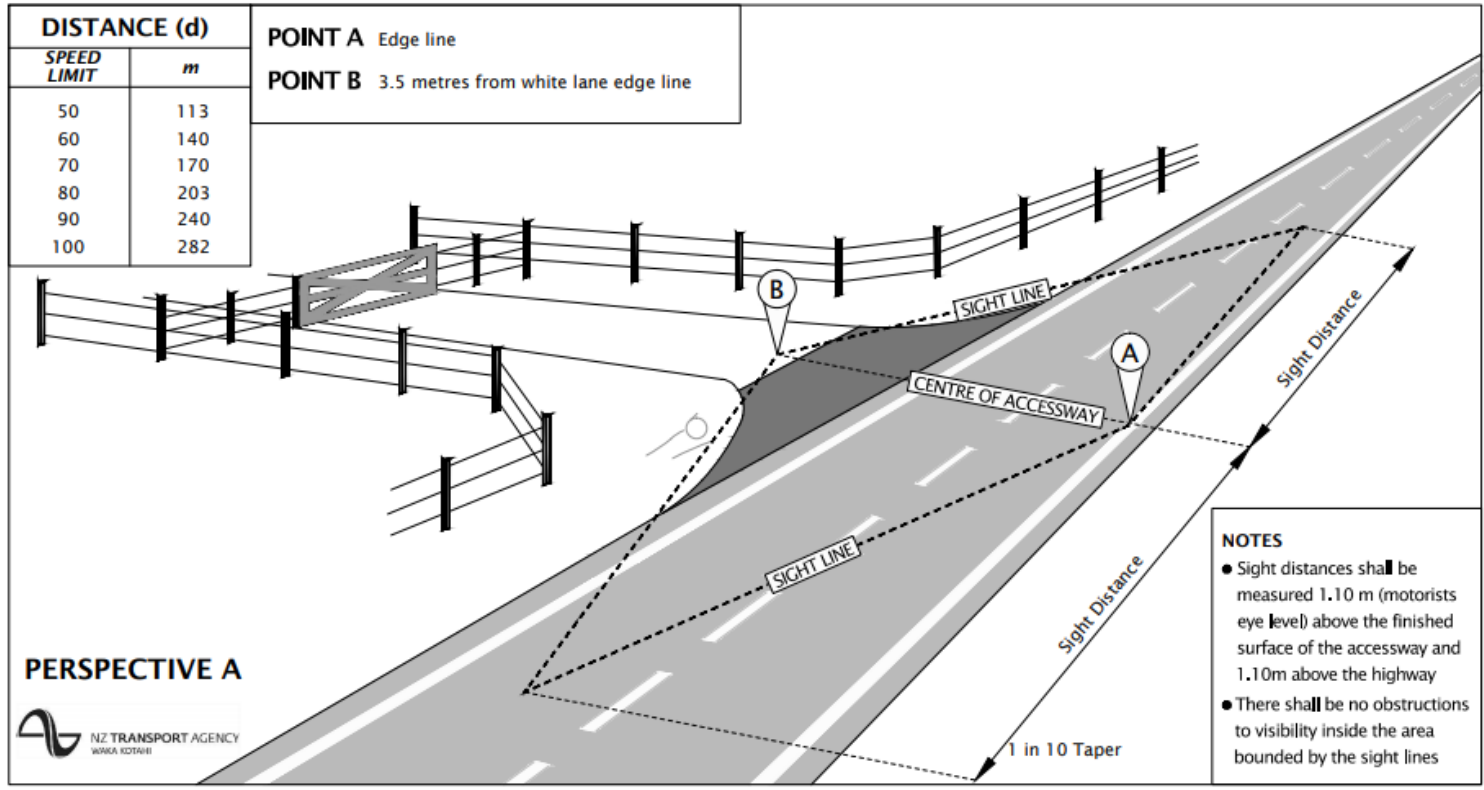
295

²⁹⁵ 697.83 Waikato District Council



Curve radius can be determined using the following formula: ¹²⁹

Figure 14.12.5.4 - Minimum sight distances



296

²⁹⁶ 742.113 NZTA

Table 14.12.5.5 - Functions of roads within the Road Hierarchy

| Category | Function |
|---|--|
| National routes | Motorways, expressways and state highways that: <ul style="list-style-type: none"> ● form a strategic network of national importance ● provide for the collection and distribution of goods significant to the national economy ● the through traffic function predominates. |
| Regional arterial roads: <ul style="list-style-type: none"> ● state highways not included in National Routes category ● roads giving access to important tourist areas or centres of large populations ● roads linking different transport modes ● roads providing significant intra-urban links. | State highways and roads that: <ul style="list-style-type: none"> ● form a strategic network of regional importance ● provide for the collection and distribution of goods significant to the regional economy ● rural roads that typically provide for more than 6,000 vehicle movements per day (vmpd) ● include rest areas ● the through-traffic function predominates. |
| Arterial roads: <ul style="list-style-type: none"> ● links between residential, commercial, industrial or recreational land use activities ● provide alternative links between centres of population or are significant for the movement of goods or produce within the district. | Roads that: <ul style="list-style-type: none"> ● form a strategic network of district importance ● provide for the collection and distribution of goods significant to the district's economy ● rural roads that typically provide for less than 6,000 vehicle movements per day (vmpd) ● the through traffic function needs to be balanced against the property access function. |
| Collector roads: <ul style="list-style-type: none"> ● provide links between local roads and arterials. | Roads that: <ul style="list-style-type: none"> ● provide locally-preferred routes between or within areas of population or activities ● provide alternative routes to arterials ● are sealed and are of road geometry aligned with operational safety standards required for the traffic volumes on each section ● the through traffic function needs to be balanced against the property access function. |
| Local roads | 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. |

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 | | |
|------------------|-------------------------|-------------------------|
| <i>Road Name</i> | <i>Start</i> | <i>Finish</i> |
| State Highway 1 | North district boundary | Hamilton City boundary |
| State Highway 1 | Hamilton City boundary | South district boundary |
| State Highway 2 | State Highway 1 | East district boundary |
| State Highway 26 | Hamilton City boundary | East district boundary |

| Regional Arterial | | |
|--|-----------------------------------|------------------------------------|
| <i>Road Name</i> | <i>Start</i> | <i>Finish</i> |
| State Highway 1B (Gordonton Road) | State Highway 1 | Taylor Road |
| State Highway 1B (Taylor Road) | Gordonton Road | Puketaha Road |
| State Highway 1B (Puketaha Road) | Taylor Road | Telephone Road |
| State Highway 1B (Telephone Rd) | Puketaha Road | Holland Road |
| State Highway 1B (Marshmeadow Road) | Holland Road | State Highway 26 |
| State Highway 1B (Hoeka Road) | State Highway 26 | Tauwhare Road |
| State Highway 1B (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 1 | 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 1 (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 1B/Taylor Road |
| Great South Road | Gordonton Road | State Highway 1 (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 1B | Valentine 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 1 | Mahi Road |
| Victoria Road | Tauwhare Road | Bellevue Road |
| Waerenga Road | Wira Street | Cozen Road |

| Arterial | | |
|-------------------|------------------|---------------|
| <i>Road Name</i> | <i>Start</i> | <i>Finish</i> |
| Waverley Road | Holland Road | Piako Road |
| Whatawhata Avenue | Ellery Street | Havelock Road |
| Whitikahu Road | State Highway 1B | Orini Road |

| Collector | | |
|-----------------------------|---------------------|---------------------------------|
| <i>Road Name</i> | <i>Start</i> | <i>Finish</i> |
| Aka Aka Road | Waiuku Road | Otaua Road |
| Bankier Road | Horsham Downs Road | State Highway 1B/Gordonton Road |
| Dean Road | Great South Road | State Highway 1 |
| George Street (Tuakau) | Dominion Road | Buckland Road |
| Great South Road (Huntly) | State Highway 1 | Rayner Road |
| Great South Road (Pokeno) | State Highway 1 | State Highway 1 |
| 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 1 |
| Kaiaua Road | Mangatangi Road | District boundary |
| Lake Road | River Road | State Highway 1B |
| 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 1 | 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 |

| Collector | | |
|---------------------------------|---------------------|-------------------------|
| Road Name | Start | Finish |
| Platt Road | State Highway 26 | Tauwhare Road |
| Pokeno Road | Great South Road | Ridge Road |
| Rawiri Road | Mangatangi Road | State Highway 2 |
| Rayner Road | Main Street | William Street |
| Rotowaro Road | Harris Street | Waingaro Road |
| State Highway 22 | Tuakau Bridge | Hetherington Road |
| Tainui Bridge Road | State Highway 1 | Harris Street |
| Te Mata Road | State Highway 23 | Ruapuke Road |
| Te Pahu Road | State Highway 23 | District boundary |
| Tuakau Bridge-Port Waikato Road | State Highway 22 | Maunsell Road |
| Waingaro Road | Great South Road | Ohautira Road |
| Wainui Road | Bow Street | Whaanga Road |
| Wainui Road/Bankart Street | Wainui Road (north) | Wainui Road (north) |
| Waiuku-Otaua Road | Otaua Road | Misa Road |
| Wallis Street | Bow Street | End of kerb and channel |
| Whangarata Road | River Road | Ridge Road |
| William Street | Rayner Road | Onslow Street |

Table 14.12.5.7 – Required parking spaces and loading bays

| Activity | Minimum Required Parking Spaces | Minimum Required Loading Bays |
|--|---|-------------------------------|
| Bulk retail and car yards | 1 car space per 150m ² gross floor area (GFA) | 1 heavy goods vehicle (HGV) |
| <u>Child-care Early Childhood Education and day care facility</u> ²⁹⁷ | <p>For facilities with less than 100 pupils, +0.5 car space per every full-time staff equivalent plus 1 car space per 5-10 children that the facility is designed to accommodate plus one 99% car loading bay;</p> <p>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</p> | Nil |

²⁹⁷ 781.7 Ministry of Education

| Activity | Minimum Required Parking Spaces | Minimum Required Loading Bays |
|--|--|---|
| | <u>99% car loading bay (or pick-up/drop-off bay) per 100 pupils</u> ¹³¹ | |
| Clubrooms at sports facilities | 1 car space per 35m ² GFA | 1 HGV heavy goods vehicle ²⁹⁸ |
| Community facilities, conference facilities and place of assembly | 1 car space per 15m ² GFA , or 1 per 5 persons that the facility is designed to accommodate, whichever is greater | 1 HGV heavy goods vehicle ²⁹⁹ |
| Marae complex | 1 car space per 15m ² GFA | 1 HGV heavy goods vehicle ³⁰⁰ |
| Papakaainga building | 1 car space per 30m ² GFA | Nil |
| Dairies, takeaway food, bottle stores | 1 car space per 30m ² GFA , except that in the Rangitahi Residential Zone 1 car space per 50m ² GFA is required | 1 HGV, except that in the Rangitahi Residential Zone 1 HGV heavy goods vehicle ³⁰¹ per 1000m ² of GFA of Rangitahi commercial activity is required |
| Minor dwelling | 1 car space per dwelling | Nil |
| Dwelling | <u>1 car space is required for a dwelling on a site less than 300m² in area or for studio or 1-bedroom residential units;</u> ³⁰² 2 car spaces are required for <u>all other dwellings with 2 or more bedrooms and one car space is required for studio or 1-bedroom residential units.</u> | Nil |
| <u>Dwellings located within the Lakeside Te Kauwhata Precinct</u> | <u>1 car space per dwelling on a site less than 300m² in area</u> [consequential deletion if 'Dwelling' amendment above is agreed][579.54 Lakeside2017; 697.73 Waikato District Council]] | <u>Nil</u> |
| Retirement village | 1 car space per dwelling or unit <u>except in Te Kauwhata Lakeside</u> ³⁰³ | Nil |
| <u>Te Kauwhata Lakeside Retirement Village</u> | <u>0.5 car parking spaces per independent living unit and one visitor space for every 10 residents</u> ³⁰⁴ | <u>Nil</u> |

²⁹⁸ 697.76 Waikato District Council

²⁹⁹ 697.76 Waikato District Council

³⁰⁰ 697.76 Waikato District Council

³⁰¹ 697.76 Waikato District Council

³⁰² 386.15 Pokeno Village Holdings Limited; 697.73 Waikato District Council; 749.77 HNZA

³⁰³ 579.56 Lakeside2017; 697.73 Waikato District Council

³⁰⁴ 579.57 Lakeside2017; 697.73 Waikato District Council

| Activity | Minimum Required Parking Spaces | Minimum Required Loading Bays |
|---|--|---|
| <u>Retirement villages located within the Lakeside Te Kauwhata Precinct</u> | | |
| Multi-unit development | 1 car space per dwelling or unit | Nil |
| <u>Boarding houses / boarding establishments</u> | <u>1 car space per three units</u> ³⁰⁵ | <u>Nil</u> |
| Emergency service facilities | 1 car space per on-duty staff person, plus sufficient space for all the emergency vehicles that use the site | Nil |
| Garden centres | 1 car space per 100m ² site area | 1 <u>HGV heavy goods vehicle</u> ³⁰⁶ |
| Health facility, veterinary and personal services | 3 car spaces per professional full-time staff equivalent ³⁰⁷ | Nil |
| Home occupations | In addition to residential requirements, 1 car space per employee plus 1 where the activity attracts clients to the site | Nil |
| Hospitality services (e.g. cafés, taverns) | 1 car space per 10m ² net public floor area, except that in the Rangitahi Residential Zone 1 car space per 15m ² net public floor area is required | 1 <u>HGV heavy goods vehicle</u> , except that in the Rangitahi Residential Zone 1 <u>HGV heavy goods vehicle</u> per 1000m ² GFA of Rangitahi commercial activity is required. ³⁰⁸ |
| Housing for the elderly/ residential care | 1 car space per 4 occupants | Nil |
| Indoor sports facilities | 4 car spaces per sports court or 1 car space per 4 persons provided for in the design, whichever is the greater number of carparks ³⁰⁹ | Nil |
| Industrial activity | 1 car space per 100m ² GFA | 1 <u>HGV heavy goods vehicle</u> ¹³² |
| Infrastructure sites and activities | 1 car space per on-duty staff person No parking space requirement shall apply to unstaffed facilities and sites | Nil |
| Office | 1 car space per 35m ² GFA | Nil |
| Outdoor sports field | 15 car spaces per hectare of sports field | Nil |

³⁰⁵ 749.77 HN2C

³⁰⁶ 697.76 Waikato District Council

³⁰⁷ 697.74 Waikato District Council

³⁰⁸ 697.76 Waikato District Council

³⁰⁹ 697.75 Waikato District Council

| Activity | Minimum Required Parking Spaces | Minimum Required Loading Bays |
|--|---|---|
| Hospital or care facilities associated with retirement village | 2 car spaces per 3 patients accommodated plus 1 per 2 full-time staff equivalents | 1 <u>HGV heavy goods vehicle</u> ³¹⁰ |
| Retail activity | 1 car space per 30 m ² GFA, including indoor and outdoor retail area | Nil |
| School | Primary - 1 car space for every full-time staff equivalent plus 2 for every 50 students accommodated <u>plus one 99% car loading bay (or pick-up/drop-off bay) per 100 pupils</u> . Secondary – 1 car space for every full-time staff equivalent plus 1 per 10 students accommodated in Years 11 to 13 <u>3 car parks per new classroom or classroom equivalent plus one 99% car loading bay (or pick-up/drop-off bay) per 100 students</u> ³¹¹ | 1 bus space per 200 students where school bus services are provided |
| Service stations | 1 car space per 45m ² GFA excluding car washes and canopies over petrol pumps, plus 3 queuing per car wash, plus 4 per repair bay | Nil |
| Supermarket activity | 1 car space per 25m ² GFA | <u>2 HGV</u> <u>Under 2500m² GFA – 1 heavy goods vehicle</u> <u>Over 2500m² GFA – 2 heavy goods vehicles</u> ³¹² |
| Tertiary education facilities | 1 car space per every full-time staff equivalent plus 1 per every 3 full-time equivalent students provided for by the institution | 1 HGV |
| Travellers' accommodation | 1 car space per 4 persons to be accommodated (or in the Rangitahi Peninsula Zone 1 car space per accommodation unit), plus 2 for manager residences with more than 1 bedroom, plus 1 for every 2 full-time staff equivalents (whichever is greater), plus | 1 <u>HGV heavy goods vehicle</u> ³¹³ |

³¹⁰ 697.76 Waikato District Council

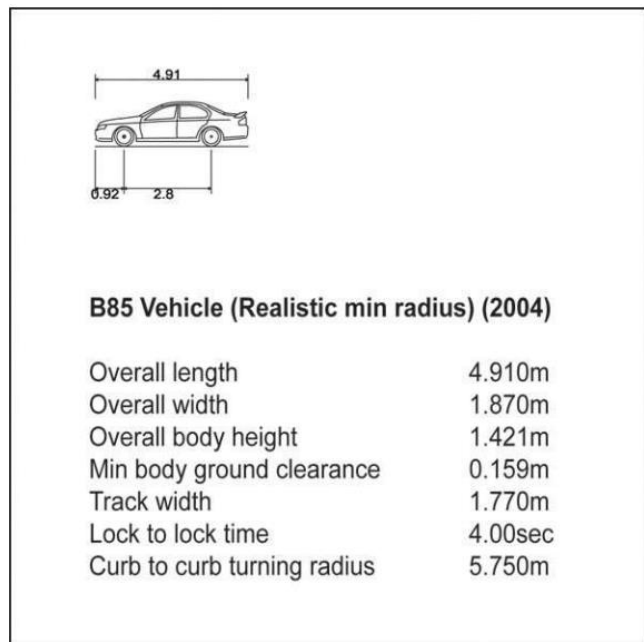
³¹¹ 781.7 Ministry of Education

³¹² 588.11 Woolworths NZ Ltd

³¹³ 697.76 Waikato District Council

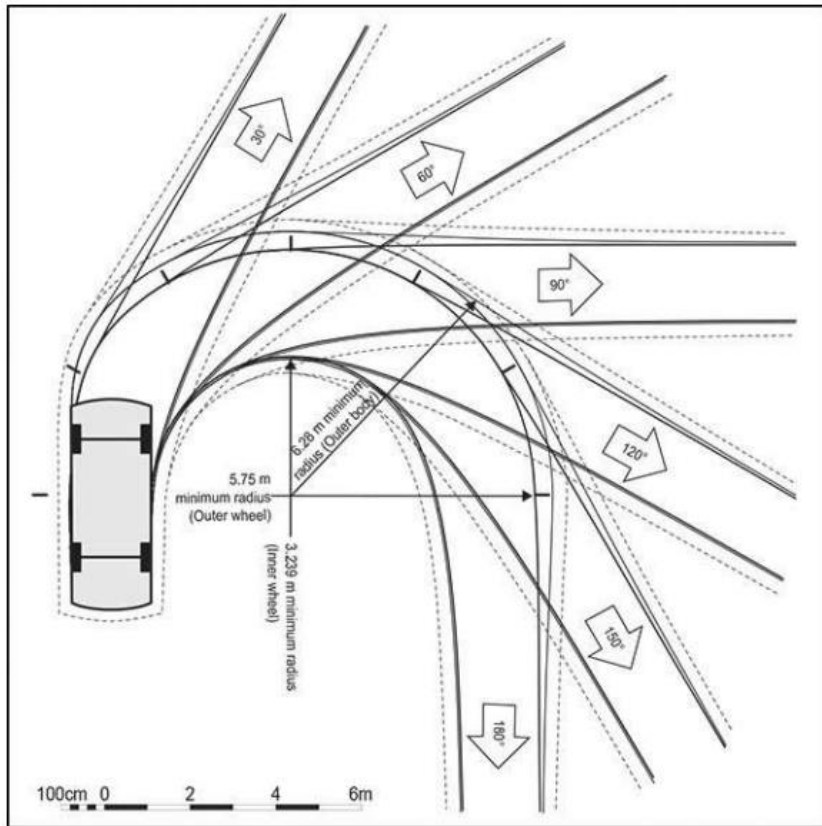
| Activity | Minimum Required Parking Spaces | Minimum Required Loading Bays |
|-----------------|--|--------------------------------------|
| | 1 coach park per 30 hotel or back packers' beds | |

Figure 14.12.5.8 – 90th Percentile car tracking curve minimum radius



314

³¹⁴ 742.116 NZTA



Note 1

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

315

³¹⁵ 742.116 NZTA

Table 14.12.5.9 – Required accessible parking spaces

| Total number of car park spaces being provided | Minimum number of accessible car park spaces |
|--|---|
| 1-20 | 1 |
| 21-50 | 2 |
| For every additional 50 car parks above 50 car park spaces | 1 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 1 bicycle space for every 10 car park spaces required. |

Table 14.12.5.11 – Car manoeuvring and parking space dimensions

| Type of Parking | | Stall Width (a) | Stall Depth | | Aisle Width (d) | Total Depth (e) | |
|---------------------------------------|----------|-----------------|---------------|---------------|-----------------|-----------------|----------|
| Parking Angle | Type | | From Wall (b) | From Kerb (c) | | One Row | Two Rows |
| ALL MEASUREMENTS ARE IN METRES | | | | | | | |
| 0° | Parallel | 2.5 | See Note 1 | | 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 |

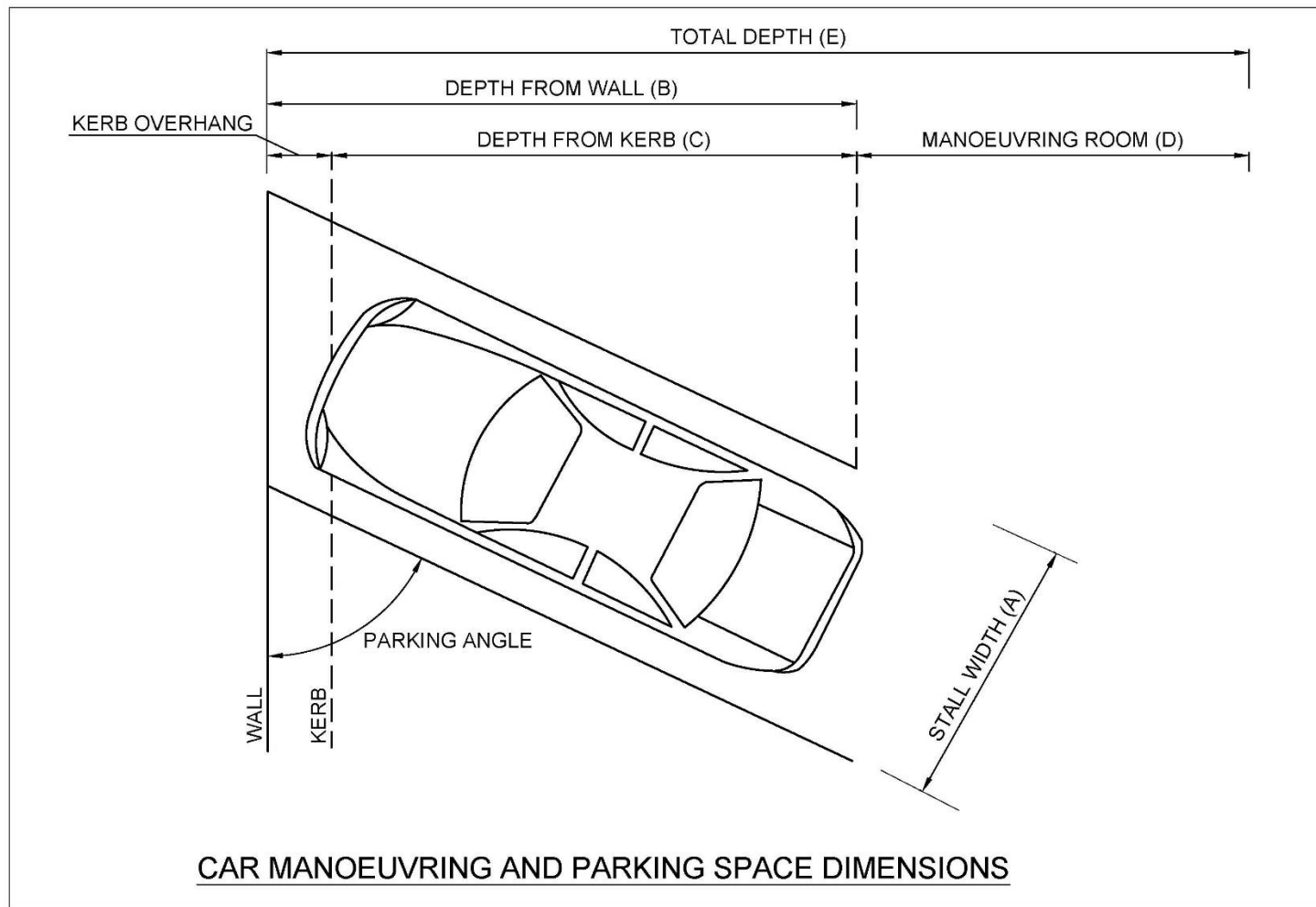


Table 14.12.5.12 – Queuing space

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

Table 14.12.5.13 – ~~Traffic generation~~ Vehicle movement rates ³¹⁶

| Activity | Indicative daily vehicle movements* |
|--|---|
| Bulk retail and car yards | 45 per 100m ² gross floor area (GFA) |
| Childcare <u>Early childhood education</u> and day care facility ¹⁴² | 4 per child the facility is designed to accommodate |
| Dairies, takeaway food , bottle stores | 100 per 100m ² GFA |
| <u>Takeaway food</u> | <u>360 per 100m² GFA³¹⁷</u> |
| Dwellings | 10 per dwelling |
| Garden centres | <u>100+50</u> per 100m ² GFA ³¹⁸ |
| Health facility veterinary, and personal services | <u>79.4</u> ³¹⁹ per professional the facility is designed to accommodate |
| Hospitality services (e.g. cafés, bars) | 90 per 100m ² GFA |
| Housing for the elderly/residential care | 2 per resident the facility is designed to accommodate |
| Industrial activities | <u>Manufacturing 30</u> per 100m ² GFA <u>Warehouse 2.4</u> per 100m ² GFA ³²⁰ |
| Offices | 25 per 100m ² GFA |
| Hospital | 15 per patient bed the facility is designed to accommodate |
| Retail activity | 130 per 100m ² GFA |
| School | 2 per student the primary school is designed to accommodate, or 1 per student the secondary school is designed to accommodate |
| Service stations | 700 per 100m ² GFA |
| Supermarket activity | 130 per 100m ² GFA |

³¹⁶ 781.8 Ministry of Education- ³¹⁷ 742.118 NZTA- ³¹⁸ 742.118 NZTA³¹⁹ 742.118 NZTA- ³²⁰ 742.118 NZTA

| | |
|-------------------------------|---|
| Tertiary education facilities | 2 per student the facility is designed to accommodate |
| Travellers' accommodation | 3 per bed the facility is designed to accommodate |

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

Table 14.12.5.14 – Access and road conditions (Residential, Village, Business, Business Town Centre, and Industrial, Te Kowhai Airpark³²¹, Rangitahi Peninsula and Motorsport and Recreation Zones)³²²

| Road Type | General | | | | Seal Width | | | | Berms | | General | | |
|---|------------------------------------|---------------------|--|-------------------------------------|-------------------------------------|--|----------------------------|--|--|------------------------------------|-------------------------------------|--|----------|
| | 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 | Minimum Services (m) | Minimum Footpath / Shared path (m) | Kerb and Channel / Water-table | Turning Area for no exit roads (RTS 18 Vehicle) | |
| Access and road conditions (Residential, Village, Business, Business Town Centre, Industrial and Industrial Zones Heavy³²³) | | | | | | | | | | | | | |
| Access leg to an allotment (Residential, Village) | 1 | N/A | 8m Rigid | 4 | N/A | | | | | | | | |
| Access leg to an allotment (Business and Industrial) | 1 | N/A | | 6 | N/A | | | | | | | | |
| Private access, including ROWs and access allotments (Residential, Village) | 2 to 4 | N/A | | 8 | 5 | N/A | N/A | 4 | Unsealed 1.2m on at least one side | N/A | 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 | | | Mountable | Subject to specific design that has been 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 been certified | |
| Local Road (Residential, Village) | >8 | 50 | 8m Rigid | 20 | 6 | None | 1m on each side | 8 | | | 1.8m on each side | | 8m Rigid |
| Local Road (Business and Industrial) | | | 19m Semi | | 9 | | Optional | 9 | | | | | 19m Semi |
| Collector Road (Residential, Village) | >100 | 50 | 8m Rigid | 22 | 6 | Subject to specific design that has been certified | 2.5m on each side | 11 | | 1.8m on each side | 8m Rigid | | |
| Collector Road (Business and Industrial) | | | 19m Semi | | 7 | | | | | | 12 | 19m Semi | |
| Arterial Road (Residential, Village) | N/A | 60 | 19m Semi | 30 | 10 | 3 | Recessed 2.5m on each side | 13 | | 1.8m on each side | N/A | | |

³²¹ 697.519 Waikato District Council

³²² 697.78 Waikato District Council

³²³ 697.518 Waikato District Council

| Arterial Road (Business and Industrial) | | | | | | | | | | | | |
|---|----|-------------|-----|--|---|--|---------------------------------|-----|--|------------------------------------|--|-----|
| Local roads in Lorenzen Bay Structure Plan Area | >8 | 50-80 (max) | N/A | 17 (Complies with Figure 14.1.5.18) | 6 | | 2.5 metres on alternative sides | 1:1 | Subject to specific design that has been certified | 1.5 metres on one side of the road | Subject to specific design that has been certified | Yes |
| Roads in Te Kauwhata Structure Plan area | >1 | 50-80 (max) | N/A | 20 | Refer to Figures 14.1.5.19-14.1.5.21 (cross-sections) | | | | | | | |

Notes:

- The **Regional Integrated Infrastructure Technical Specifications May 2018**³²⁴ 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).**³²⁵

³²⁴ 697.79 Waikato District Council
³²⁵ 378.19 FENZ
 Proposed District Plan Stage 1
 (Notified version)

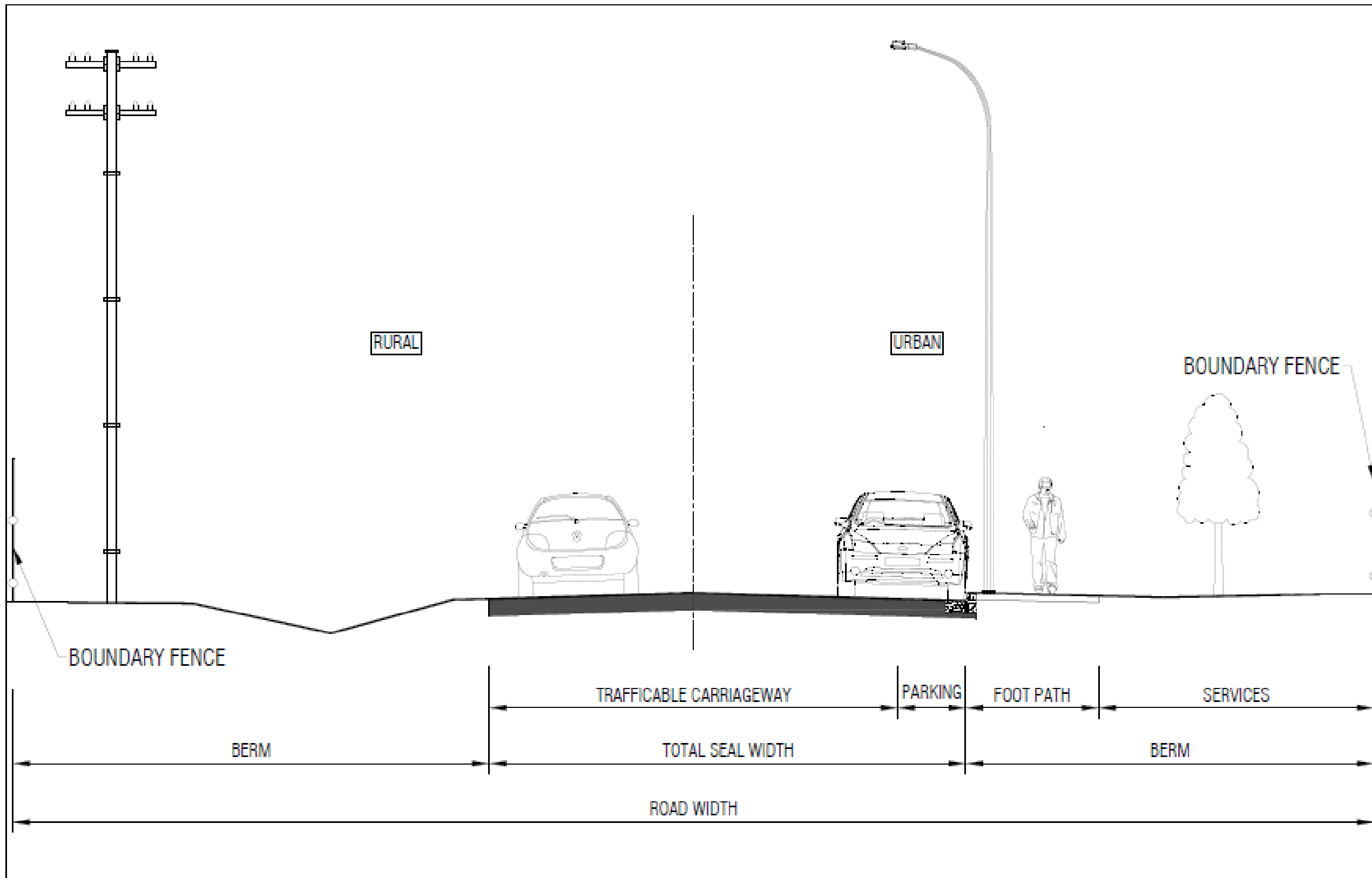
Table 14.12.5.15 – Access and road conditions (Rural and Country Living Zones)

| 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 | Minimum Services (m) | Minimum Footpath / Shared path (m) | Kerb and Channel / Water-table | Turning area for no exit roads (RTS 18 Vehicle) |
| Rural and Country Living Zones | | | | | | | | | | | | |
| Access leg to an allotment | 1 | N/A | 8m Rigid | 6 | N/A | | | | | | | |
| Private access, including ROWs and access allotments | 2 to 3 | N/A | | 6 | 3 | N/A | N/A | 3 | Subject to specific design that has been certified | N/A | 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 | 20 | 6 | No | 6 | Subject to specific design that has been certified | | | Country living - nibs along seal edge. All others to specific design that has been certified. | 8m Rigid |
| Collector <1000 adt | >100 | | 19m Semi | 20 | 7 | Subject to specific design that has been certified | | 8.5 | | | | |
| Collector >1000 adt or Arterial | N/A | 110 | | 20 | 7 | | | 10 | | | | N/A |

Notes:

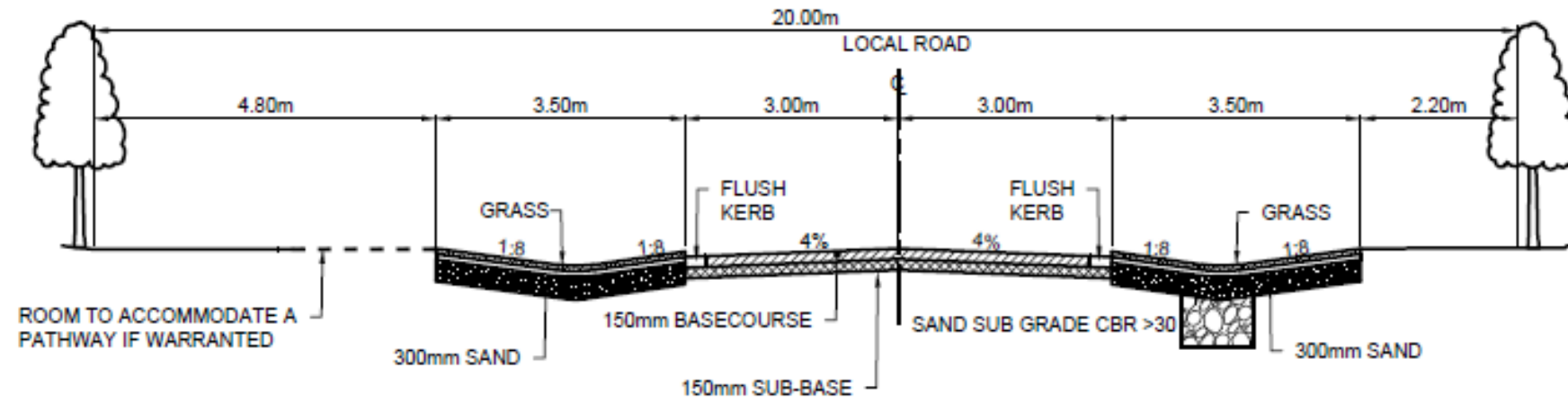
*Accesses shall have a minimum height clearance of 4.0m and a maximum gradient of 1 in 5 (with minimum 4.0m transition ramps of 1 in 8) ³²⁶

Figure 14.12.5.16 – Attachment to Tables 14.12.5.14 and 14.12.5.15

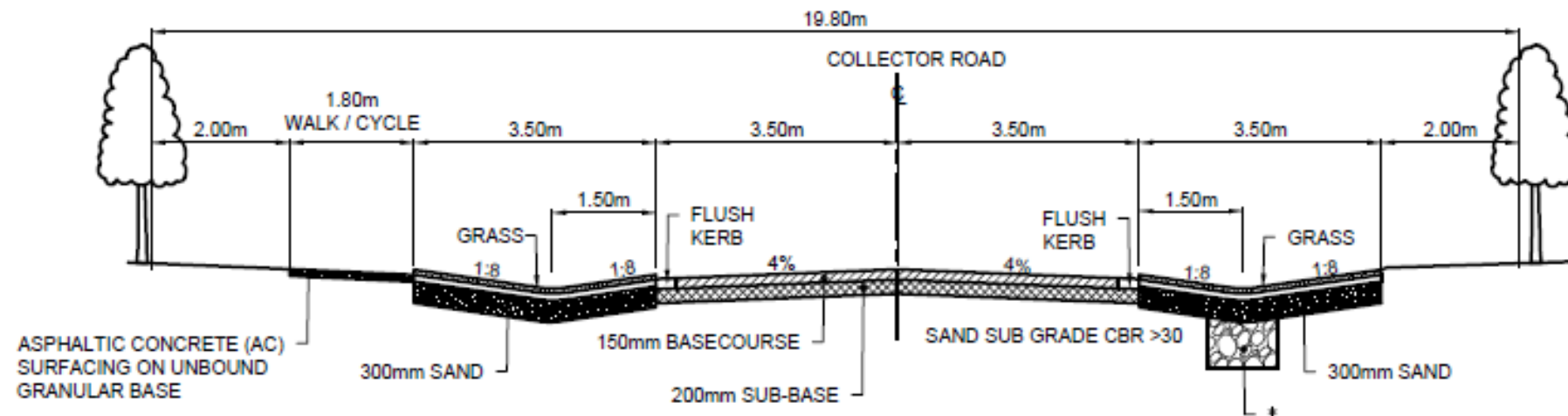


Note: The purpose of [Figure 14.12.5.16](#) is to define the various aspects of the road as set out in [Tables 14.12.5.14 and 14.12.5.15](#). [Figure 14.12.5.16](#) is not intended to prescribe a preferred road layout.

Figure 14.12.5.17 – Tamahere Country Living Zone - Road cross sections



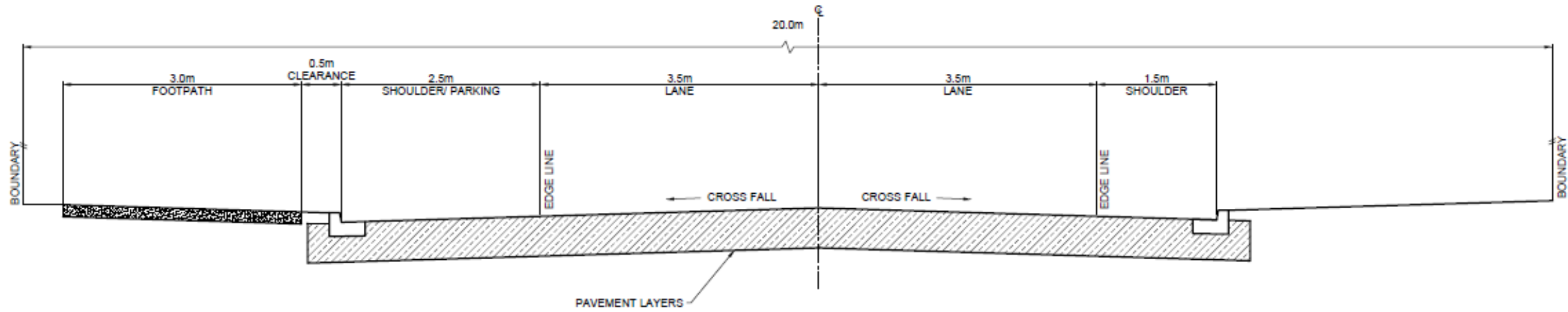
CROSS SECTION OF LOCAL ROAD - TAMAHERE COUNTRY LIVING ZONE
SCALE : 1:50



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

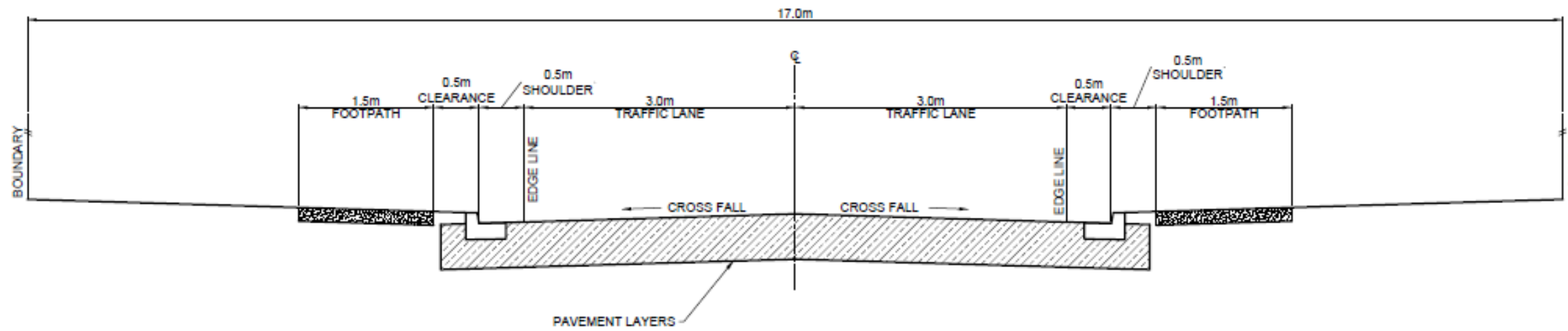


Figure 14.12.5.18 – Lorenzen Bay Structure Plan - Road cross sections



CROSS SECTION THROUGH COLLECTOR ROAD - LORENZEN BAY

SCALE : 1:25

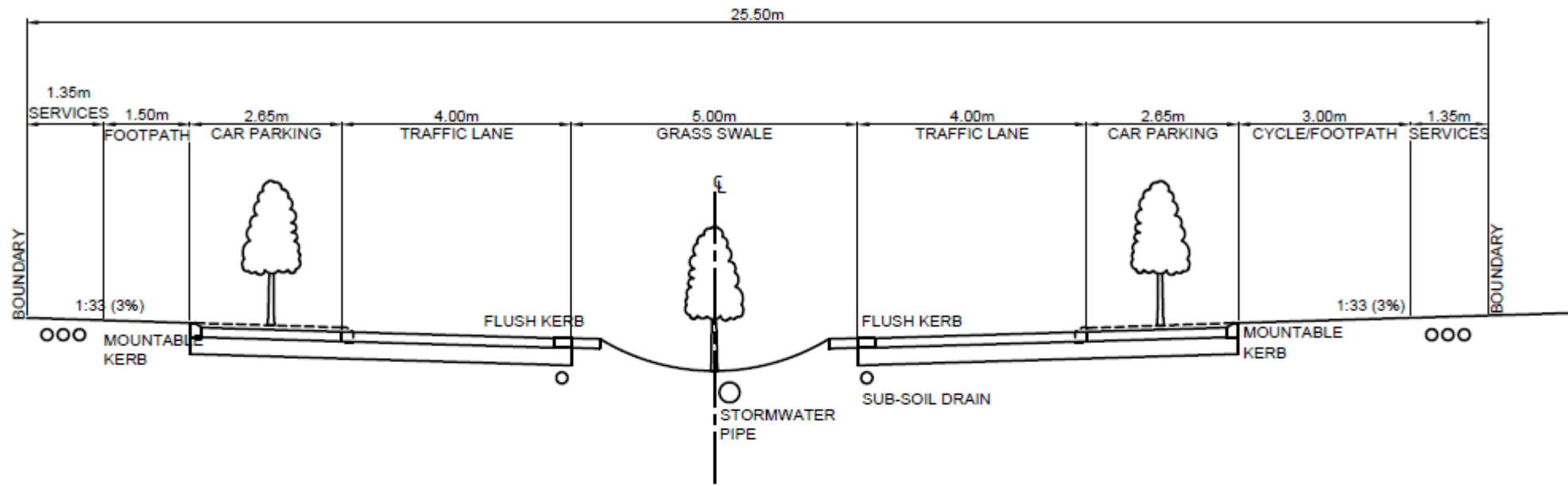


CROSS SECTION THROUGH MINOR ROAD - LORENZEN BAY

SCALE : 1:25



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



NOTE:

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

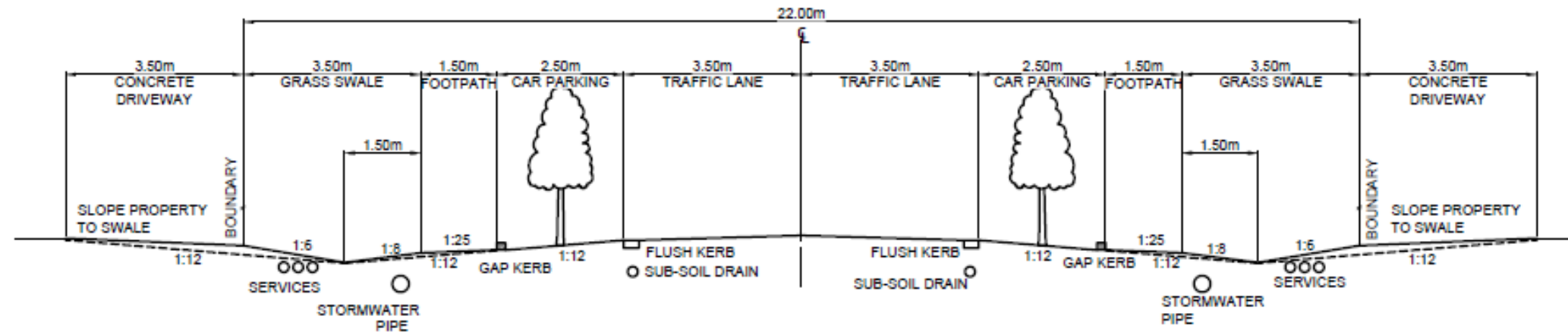
CROSS SECTION THROUGH COLLECTOR ROAD 25.5m (vpd>1500)

SCALE 1:50

TE KAUWHATA STRUCTURE PLAN



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



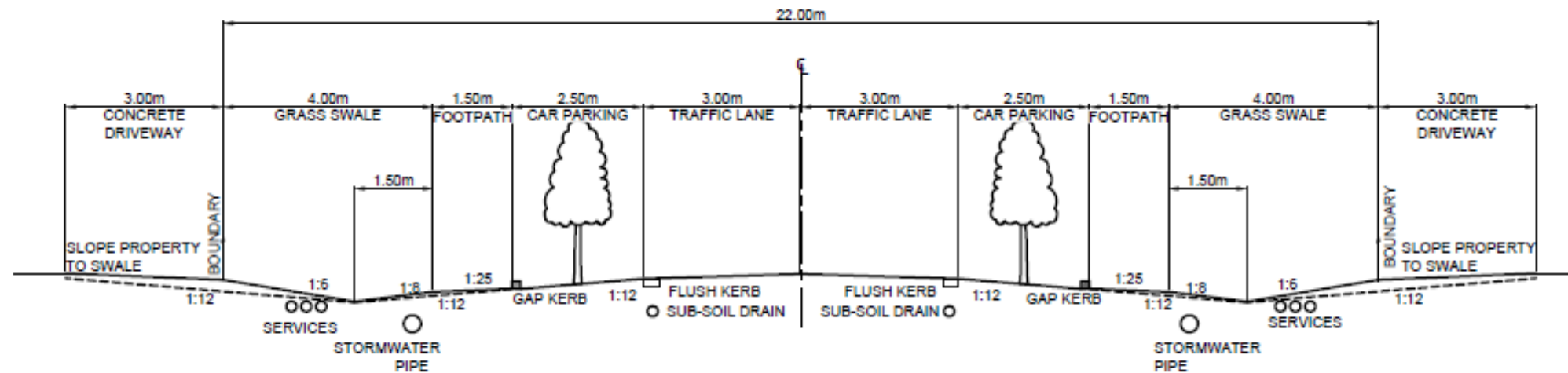
CROSS SECTION THROUGH LOCAL ROAD A (500v_{pd}<math>< 1500</math>)

SCALE : 1:50

TE KAUWHATA STRUCTURE PLAN

NOTE:

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



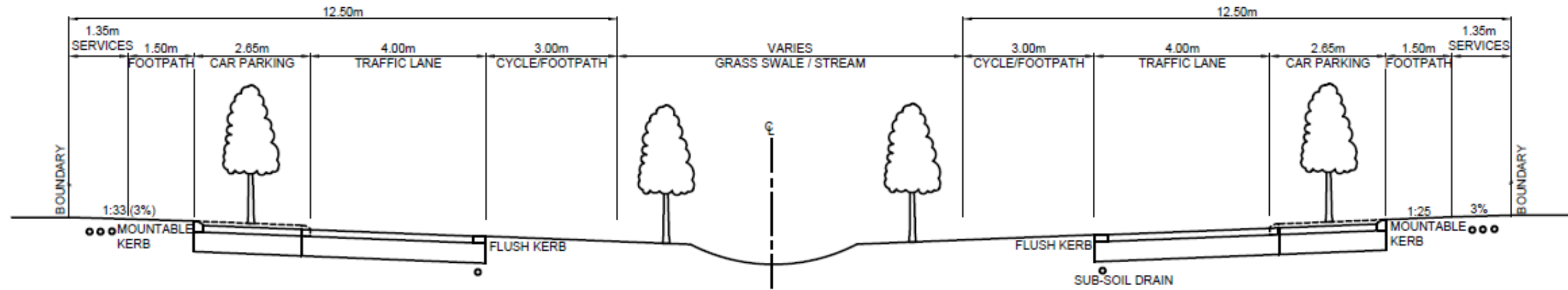
CROSS SECTION THROUGH LOCAL ROAD B (v_{pd}<math>< 500</math>)

SCALE : 1:50

TE KAUWHATA STRUCTURE PLAN

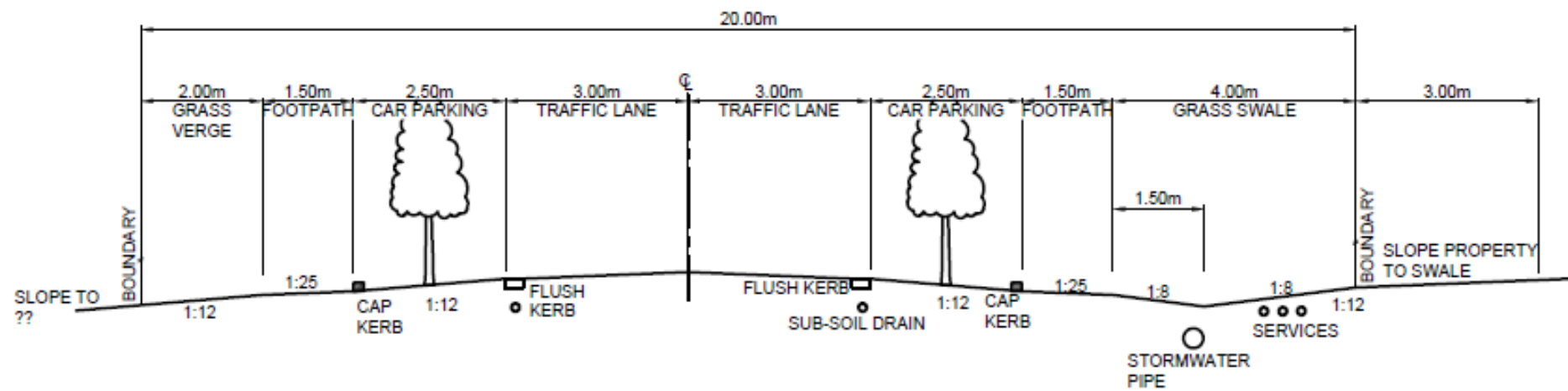


Figure 14.12.5.21 – Te Kauwhata Structure Plan – Road cross sections – Greenway Corridor and Whangamarino Margin Roads

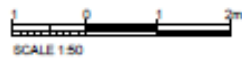


CROSS SECTION THROUGH GREENWAY CORRIDOR 25m
SCALE : 1:50
TE KAUWHATA STRUCTURE PLAN

NOTE:
SWALE DESIGN TO INCLUDE
ANTI-SCOUR MECHANISMS
WHERE REQUIRED



CROSS SECTION THROUGH WHANGAMARINO MARGIN (vpd < 500)
SCALE : 1:50
TE KAUWHATA STRUCTURE PLAN



14.12.5.22 Railway Level Crossing Sight Triangles and Explanations

Level Crossing Sight Triangles and Explanations

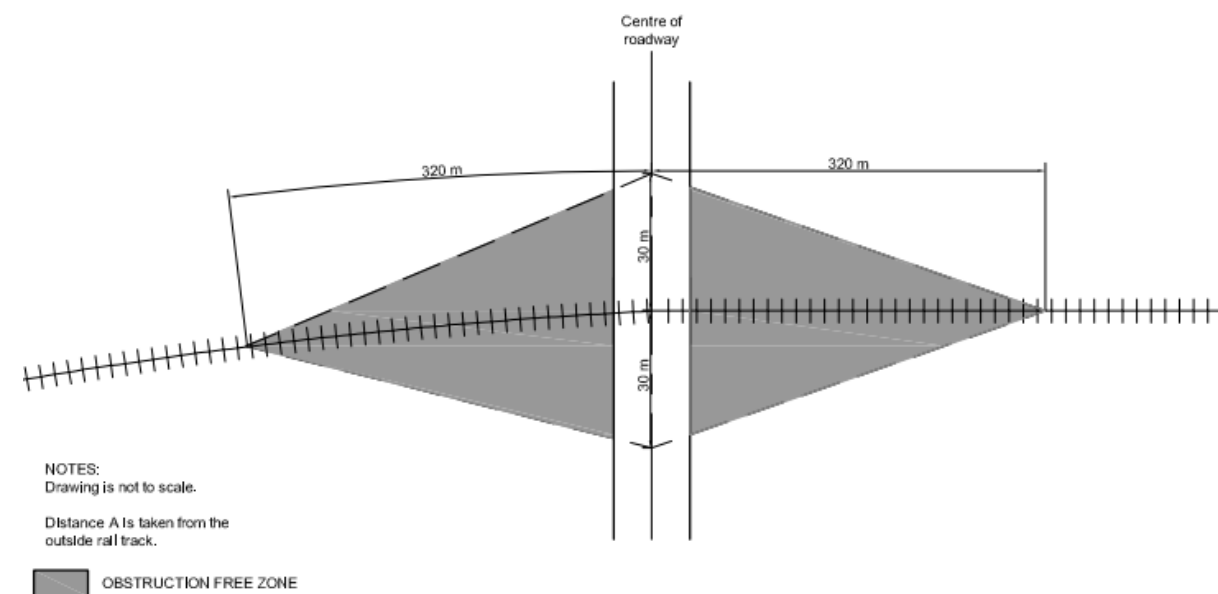
Developments near Existing Level Crossings

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:

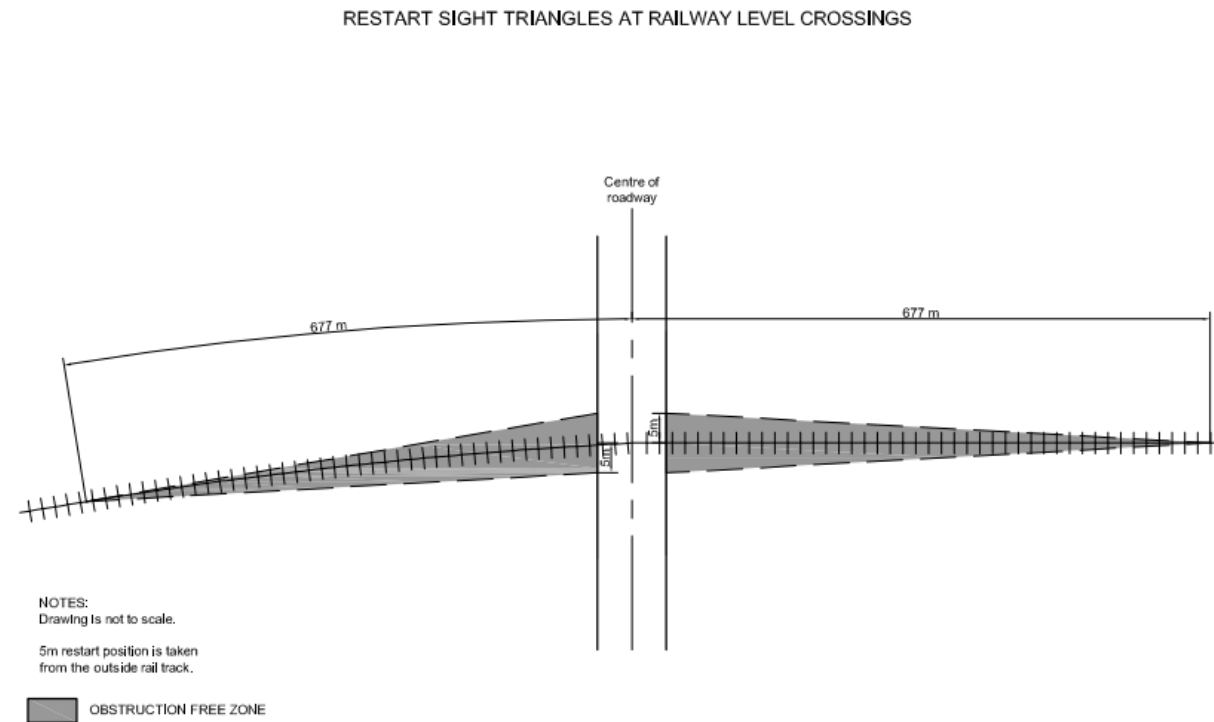
- See a train and stop before the crossing: or
- Continue at the approach speed and cross the level crossing safely.

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).



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 |
| 677 m | 677 m | 60m |

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 ³²⁷

³²⁷ 986.87 KiwiRail