GENI – General infrastructure

The EIT – Infrastructure, Energy and Transport section of the Plan is broken down into the following sub-sections which are to be read together:

- GENI – General infrastructure;
- NATG – National grid;
- ELDIS – Electrical distribution;
- ELGEN – Electricity generation;
- LFG – Liquid fuels and gas;
- MET – Meteorological;
- AMAR – Amateur radio;
- TERA – Telecommunications and radiocommunications;
- WWS – Water, wastewater and stormwater; and
- TRAN – Transportation

Objectives

GENI-O1 Development, operation and maintenance of infrastructure

(1) Infrastructure is developed, operated and maintained to benefit the social, economic, cultural and environmental well-being of the district.

GENI-O2 Reverse sensitivity

(1) Infrastructure is protected from reverse sensitivity effects, and infrastructure (including the National Grid) is not compromised.

GENI-O3 Infrastructure in the community and identified areas

(1) Infrastructure takes into account the qualities and characteristics of surrounding environments and community well-being.

National grid

GENI-O4 National grid

(1) The national significance of the National Grid is recognised and protected.

Energy

GENI-O5 Renewable energy

(1) Energy efficient design and an increase in renewable electricity generation activities are promoted.

GENI-O6 Non-renewable energy

(1) Non-renewable energy resources are recognised within the district.

Infrastructure, Subdivision and Development

GENI-O7 Integration of infrastructure with subdivision, land use and development

(1) Infrastructure is provided for, and integrated with, subdivision, use and development.

GENI-O8 Stormwater and drainage

(1) The hydrological characteristics of the natural drainage processes are retained.

Transport

GENI-O9 Land transport network

(1) An integrated land transport network where:

(a) All transport modes are accessible, safe and efficient; and

(b) Adverse effects from the construction, maintenance and operation of the transport network are managed.

Policies

GENI-P1 Development, operation and maintenance

(1) Provide for the development, operation, maintenance, repair, replacement, upgrading and removal of infrastructure throughout the district by recognising:

(a) Functional and operational needs;

(b) Location, route and design needs and constraints;

(c) Locational constraints related to the need to access suitable resources or site;

(d) The benefits of infrastructure to people and communities;

(e) The need to quickly restore disrupted services; and

(f) Its role in servicing existing consented and planned development.

GENI-P2 Technological advances

(1) Provide flexibility for infrastructure operators to use new technological advances that:

(a) Improve access to, and enable the efficient use or development of infrastructure;

(b) Allow for the re-use of redundant infrastructure and structures where appropriate; and

(c) Result in positive environmental and community outcomes.

GENI-P3 Infrastructure benefits

(1) Have regard to the benefits that infrastructure provides, including:

(a) Enabling enhancement of the quality of life and residential standard for people and communities;

(b) Providing for public health and safety;

(c) Enabling the functioning of business and growth and development;

(d) Managing adverse effects on the environment;

(e) Enabling the transportation of freight, goods and people;

(f) Enabling interaction and communication; and

(g) Providing for lifeline utility services.

GENI-P4 Natural hazards and climate change

(1) Encourage the design and location of infrastructure to take account of natural hazards and the effects of climate change.

GENI-P5 Reverse sensitivity and infrastructure

(1) Avoid reverse sensitivity effects on infrastructure from subdivision, use and development as far as reasonably practicable, so that the ongoing and efficient operation of infrastructure is not compromised.

GENI-P6 Environmental effects, community health, safety and amenity

(1) Require the development, operation, maintenance, repair, replacement, upgrading and removal of infrastructure and its associated structures to avoid, remedy or mitigate adverse effects on the environment, community health, safety and amenity.

GENI-P7 Infrastructure in identified areas

(1) Ensure consideration of the values, qualities and characteristics of Significant Natural Areas, Landscape and Natural Character Areas and Heritage Items when proposing new infrastructure or undertaking significant upgrades to existing infrastructure.

GENI-P8 Undergrounding new infrastructure

(1) Encourage new infrastructure to be placed underground unless:

(a) The adverse effects on the environment are greater than placing the infrastructure above ground;

(b) A natural or physical feature or structure renders underground placement impractical or undesirable; or

(c) There are significant operational, functional, technical, cultural or economic reasons that require the infrastructure to be above ground.

GENI-P9 Co-location of compatible facilities

(1) Encourage compatible infrastructure to share location or facilities where operational advantages can be achieved or adverse effects are reduced.

GENI-P10 Future growth areas

(1) Require infrastructure services to be developed to a standard that enables the service to be extended to future growth areas where appropriate.

GENI-P11 Electromagnetic and radio frequency fields

(1) Require infrastructure that generates electromagnetic or radio frequency fields to comply with the International Commission on Non-ionising Radiation Protection Guidelines, relevant WHO guidelines and the relevant New Zealand Standard.

GENI-P12 Raglan navigation beacons

(1) Avoid obscuring navigational beacons and associated view shafts at Raglan Harbour (Whaingaroa).

GENI-P13 Water conservation

(1) Encourage water conservation measures and, where appropriate, low impact stormwater design and facilities.

National Grid

GENI-P14 Recognise the national grid

(1) Recognise the operational, functional and technical constraints of the National Grid, and the interconnectedness of networks.

GENI-P15 Operation and development of the National Grid

(1) Provide for the operation, upgrading and development of the National Grid.

GENI-P16 Maintenance and minor upgrade the National Grid

(1) Enable the repair, maintenance, replacement and minor upgrade of the National Grid.

GENI-P17 Environmental effects

(1) Manage the environmental effects of the development or upgrades (other than minor upgrades) of the National Grid, by:

(a) Recognising the national, regional and local benefits of sustainable, secure and efficient electricity transmission;

(b) Avoiding, remedying or mitigating adverse effects through consideration of route, site and method selection;

(c) Reducing the existing adverse effects as part of any substantial upgrade;

(d) Considering the effects on urban amenity (including town centres), areas of high recreational or amenity value and existing sensitive land uses; and

(e) Addressing the adverse effects on any heritage values, outstanding natural landscapes, areas of high natural character, town centres, areas of high recreation value and existing sensitive activities including the avoidance of adverse effects where practicable.

GENI-P18 Reverse sensitivity and the National Grid

(1) Manage subdivision, use and development so that the operation, maintenance, upgrading and development of the National Grid is not compromised by ensuring that:

(a) The National Grid is identified on the planning maps and the National Grid Yard and National Grid Corridor establish buffer distances for managing land use development and subdivision near the National Grid;

(b) Sensitive land uses and buildings and structures that may compromise the National Grid, including intensive farming activities, are excluded from establishing within the National Grid Yard;

(c) Subdivision is managed within the National Grid Corridor to avoid subsequent land use from compromising the operation, maintenance, upgrading and development of the National Grid; and

(d) Changes to existing activities within a National Grid Yard do not further restrict the operation, maintenance, upgrading and development of the National Grid.

Energy

GENI-P19 Utilising energy efficiency

(1) Design subdivision, land use and development so that buildings can utilise energy efficiency and conservation measures, including by orientation to the sun and through other natural elements.

GENI-P20 Enabling renewable electricity generation

(1) Enable the investigation, development, operation, maintenance and upgrading of renewable electricity generation activities, including domestic and community scale distributed renewable electricity generation, provided that adverse effects are avoided, remedied or mitigated.

GENI-P21 Future renewable electricity

(1) Provide for the investigation, identification and assessment of potential sites and energy sources for renewable electricity generation activities

GENI-P22 Existing renewable electricity facilities

(1) Ensure subdivision, use and development are designed and located so that they do not adversely affect the operation and maintenance of existing, lawfully established renewable energy generation facilities.

GENI-P23 Recognise non-renewable energy resources

(1) Recognise the actual and potential contribution to national energy production from non-renewable electricity resources.

Infrastructure, Subdivision and Development

GENI-P24 Provide adequate infrastructure

(1) Ensure adequate provision of infrastructure, including land transport networks, where land is subdivided or its use intensified.

GENI-P25 Infrastructure Location and Services

(1) Ensure subdivision, use and development are provided with infrastructure and services to a level that is appropriate to its location and intended use including:

(a) Three waters (water, wastewater and stormwater supply);

(b) Telecommunication services;

(c) Electricity services; and

(d) Adequate water supply within urban areas for firefighting purposes.

GENI-P26 Road and rail network

(1) Discourage subdivision, use and development that would compromise:

(a) The road function, as specified in the road hierarchy, or the safety and efficiency of the roading network; and

(b) The safety and efficiency of the railway network.

GENI-P27 Roading infrastructure

(1) Ensure that roading infrastructure is developed so that:

(a) The design, location, alignment and dimensions of new roads provide safe vehicle, pedestrian and cycling access and manoeuvring to every site;

(b) The roading pattern provides good connectivity to the site and integrates with adjacent land identified as future growth areas including public transport such as bus stops;

(c) There is adequate provision of on-site parking and manoeuvring for land use activities; and

(d) Contaminants generated are appropriately mitigated.

GENI-P28 Stormwater

(1) Ensure that stormwater and drainage infrastructure for subdivision, land use and development:

(a) Adopts, where appropriate, a best-practice low impact design approach to the management of stormwater;

(b) Manages stormwater in accordance with a drainage hierarchy, with a preference for on-site treatment;

(c) Minimises impervious surfaces to reduce stormwater run-off;

(d) Retains pre-development hydrological conditions as far as practicable;

(e) Does not increase the flow of stormwater runoff onto adjoining properties or flood plains, or reduce storage capacity on-site;

(f) Provides a stormwater catchment management plan for future urban development; and

(g) Promotes clean water reuse and groundwater recharge where practicable.

Transport

GENI-P29 Construction and operation of the land transport network

(1) Promote the construction and operation of an efficient, effective, integrated, safe, resilient and sustainable land transport network through:

(a) Corridor, carriageway and intersection design which is appropriate to the road function as specified in the road hierarchy and in accordance with relevant guidelines;

(b) The appropriate design and location of sites accesses;

(c) Traffic signage, road marking, lighting, rest areas and parking as appropriate;

(d) Provision for pedestrians and cyclists that addresses accessibility, including off-road facilities and connections;

(e) Corridor and carriageway design which is sufficient to enable provision of public transport;

(f) Provision for other infrastructure, including where suitable low impact design stormwater facilities;

(g) Provision for stock underpasses where suitable access is not readily available;

(h) Discouraging the installation of new at grade road and pedestrian rail level crossings:

(i) Controlling the location of buildings and other visual obstructions within the sightline areas of rail level crossings; and

(ii) Railway crossing design in accordance with the requirements of the rail operator.

GENI-P30 Road hierarchy and function

(1) Provide a hierarchy of roads for different functions and modes of land transport while recognising the nature of the surrounding land use within the district.

GENI-P31 Road standards

(1) Ensure that the construction and operation of roads is consistent with their function in the road hierarchy.

GENI-P32 Road safety

(1) Ensure that structures, lighting, signage and vegetation are located and designed so as to not compromise the safe and efficient operation of the land transport network, or obscure RAPID numbers.

GENI-P33 Network utility location

(1) Encourage the location of network utility infrastructure within transport corridors where the function, safety and efficiency of the transport network will not be compromised.

GENI-P34 Vehicle access

(1) Control the location of new vehicle accesses to sites adjacent to other accesses and rail level crossings to improve the safety and efficiency of the land transport network.

Rules

1. The provisions within EIT – Infrastructure, energy and transport 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 EIT – Infrastructure, energy and transport.
2. EIT – Infrastructure, energy and transport includes the land transport networks, network utilities operations, and electricity generation (including renewable electricity sources) and transmission. It should be noted that this chapter also contains a number of rules (such as on-site car parking and stormwater management) relating to district-wide land development activities; and as such these particular rules should be read in conjunction with the relevant zone chapters where applicable.
3. The Identified areas within the activity tables below covers the following areas and items identified within this plan:
    a. Urban Expansion Area
    b. Significant Natural Area
    c. Outstanding Natural Feature
    d. Outstanding Natural Landscape
    e. Significant Amenity Landscape
    f. Outstanding Natural Character
    g. High Natural Character

h. Heritage Precinct
i. Heritage Items
j. Maaori Sites of Significance
k. Maaori Areas of Significance
l. Notable Trees

4. 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).
5. The requirements of the Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulations 2009 ("NESETA") apply directly to the operation, maintenance, upgrading, relocation or removal of transmission line(s) that were operating or able to be operated on or before 14 January 2010 and remain part of the National Grid. In the case of conflict with any other provision of this plan, including any provision in the activity table in this section, the NESETA provisions shall prevail.
6. 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.

All infrastructure

GENI-R1	New infrastructure
(1) Activity status: PER **Where:** (a) Any new infrastructure activity and associated structures listed as a permitted activity within all chapters contained within EIT – Energy, infrastructure and transport, must meet all of the following conditions: (i) Not exceed 10m² in area above-ground; (ii) Not exceed 2.5m in height; (iii) Comply with the height in relation to boundary limits for the zone in which it is located; (iv) Comply with the height in relation to boundary limits for the adjoining zone, if located in road or unformed road; (v) Not exceed the relevant noise limits that are applicable to that zone, when measured at the nearest boundary of the site; (vi) Any other relevant conditions applying to that activity listed within the EIT – Energy, infrastructure and transport section. (b) The conditions in GENI-R1(1)(a) do not apply to:	**(2) Activity status where compliance not achieved: RDIS** New infrastructure that does not comply with one or more of the conditions of GENI-R1(1) **Discretion is restricted to:** (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, landscape, streetscape and amenity effects; (c) Noise levels. **(3) Activity status: RDIS** Self-contained power units that do not comply with the conditions for a new infrastructure activity and associated structures under Rule GENI-R1(1) **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;

(i) Activities with specific conditions relating to area, height, location and noise listed elsewhere within the EIT – Energy, infrastructure and transport section; (ii) Roads or other lineal transport networks; (iii) Road network activities, which include lighting and signage structures; and (iv) Activities subject to National Environmental Standards Telecommunication Facilities 2016.	(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.

GENI-R2	Construction noise
(1) Activity status: PER **Where:** (a) Construction, maintenance, repair, replacement, upgrading or removal of infrastructure or the installation of new infrastructure must comply with NZS 6803:1999 Acoustics – Construction noise.	**(2) Activity status where compliance not achieved: RDIS** **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.

GENI-R3	Any activity emitting electric and magnetic fields
(1) Activity status: PER **Where:** (a) 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.	**(2) Activity status where compliance not achieved: NC**

GENI-R4	Any activity emitting radio frequency fields
(1) Activity status: PER **Where:** (a) 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.	**(2) Activity status where compliance not achieved: NC**

GENI-R5	Any infrastructure not specifically listed within all chapters contained within EIT – Energy, infrastructure and transport, including associated earthworks, not located within an Identified Area
(1) Activity status: DIS **Activity-specific conditions:** Nil	

GENI-R6	Any infrastructure not specifically listed within all chapters contained within EIT – Energy, infrastructure and transport, including associated earthworks, located within an Identified Area
(1) Activity status: NC **Activity-specific conditions:** **Nil**	

General infrastructure

GENI-R7	The operation, maintenance, repair and removal of existing infrastructure
(1) Activity status: PER **Activity-specific conditions:** Nil	**(2) Activity status where compliance not achieved: n/a**

GENI-R8	Minor upgrading of existing infrastructure
(1) Activity status: PER **Where:** (a) The realignment, configuration, relocation or replacement of infrastructure and associated structures that meet all of the following conditions: (i) Are within 5m of the existing alignment or location; (ii) Do not increase the height of any existing pole or support structure by more than 15%; Do not increase the diameter (width) of any existing pole or support structure by more than 15%; (iii) Do not increase the diameter of any existing above-ground pipe by more than 15%; and (iv) Do not increase the area of any existing above-ground structure by more than 15%. (b) Alterations and additions to overhead electricity and telecommunication lines on existing poles or support structures involving any of the following: (i) The addition of conductors to form a twinned or duplex-pairing;	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) Road network safety and efficiency; (d) Management of sediment and dust, including the staging of works; (e) The volume, extent and depth of the earthworks activities; (f) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site; (g) Any flood or land stability risks; (h) Visual, landscape and amenity effects; (i) Whether alternative methodologies avoiding the need to affect any tree identified in SCHED2 – Notable Trees have been adequately considered.

(ii) The reconductoring of the line with higher capacity conductors; (iii) The resagging of conductors; (iv) The addition of longer, more efficient insulators; (v) The addition of earth wires (which may contain telecommunication lines), earthpeaks and lightning rods; (vi) The addition, replacement or relocation of transformers; (vii) The addition, replacement or relocation of circuits and conductors; (viii) The addition or replacement of telecommunication lines and fittings; (ix) The replacement of existing crossarms with crossarms of an alternative design; (x) The increase in voltage of electric lines up to 110kV; or (xi) 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). (c) The addition, replacement or relocation of existing antennas where: (i) The antennas shall not increase in area by more than 20% of the relevant permitted standard for new antennas; and (ii) The antennas shall not increase in height by more than 20% of the relevant permitted standard for new antennas. (d) Earthworks activities associated with the minor upgrading of existing infrastructure must comply with the conditions of Rule GENI-R10(1). (e) The minor upgrading of existing infrastructure must not remove any tree identified in SCHED2 – Notable Trees (f) Any trimming of a tree identified in SCHED2 – Notable Trees associated with the minor upgrading of existing infrastructure must be undertaken in accordance with the conditions of Rule GENI-R11(1).	

GENI-R9	Temporary infrastructure
(1) Activity status: PER **Where:**	**(2) Activity status where compliance not achieved: DIS**

(a) Installation and operation of temporary infrastructure that meets all of the following conditions: (i) Any buildings and/or structures must be removed from the site on completion of the works; (ii) The ground must be reinstated on completion of works; and (iii) The activity, including the requirements of Rule GENI-R9(1)(a)(i) and (ii), must not exceed 12 months in total.	

GENI-R10	Earthworks activities associated with infrastructure
(1) Activity status: PER **Where:** (a) Any earthworks associated with infrastructure must comply with all of the following conditions: (i) Do not exceed a volume of more than 2,500m^3 for any single activity; (ii) Do not exceed an area of more than 2,500m^2 for any single activity; (iii) Within 10m of a watercourse or 20m of Mean High Water Springs do not exceed a volume of more than 5m^3 and an area of more than 5m^2 for any single activity; (iv) Erosion and sediment controls are implemented and maintained to retain sediment on the site of the earthworks activity; (v) All fill material used must be cleanfill; (vi) Areas exposed by earthworks activities are to be recontoured and replanted within 6 months of the commencement of the earthworks; (vii) Earthworks shall not obstruct or divert any stormwater overland flow path or result in changed stormwater drainage patterns on another site; (viii) Earthworks are not located within any Historic Heritage sites identified within SCHED1 – Historic Heritage Items (b) Rule GENI-R10(1)(a)(vi) does not apply to earthworks required to establish a foundation or surface that will ultimately be sealed or constructed upon. (c) Earthworks associated with infrastructure in Landscape and Natural Character Areas must not:	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) Management of sediment and dust, including the staging of works; (b) The volume, extent and depth of the earthworks activities; (c) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site; (d) Any flood or land stability risks; and (e) Visual, landscape and amenity effects.

(i) Exceed 1.5m in height in relation to the cut or fill batter face; and (ii) Use imported soil, other than the placement of aggregate/metal on any access track or in association with laying underground infrastructure; and (iii) Disturb or move more than 50m3 or exceed an area of 250m^2 in a Significant Amenity Landscape sand dune over any consecutive 12 month time period; and (iv) Disturb or move more than 50m^3 or exceed an area of 250m^2 in a High or Outstanding Natural Character area of the coastal environment over any consecutive 12 month time period; and (v) Disturb or move more than 50m^3 or exceed an area of 250m^2 in an Outstanding Natural Feature or Outstanding Natural Landscapes over any consecutive 12 month time period.	

GENI-R11	Trimming, maintenance or removal of vegetation or trees associated with infrastructure
(1) Activity status: PER **Where:** (a) Any trimming, maintenance or removal of vegetation or trees associated with infrastructure that meet all of the following conditions: (i) No tree identified in Schedule 30.2 is removed; (ii) Any required trimming of a tree identified in Schedule 30.2 is either: (1) To remove dead, dying, or diseased branches and the tree work is undertaken by a works arborist; or (2) 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. **Note:** Trees in and around electrical assets are required to be in accordance with the Electricity (Hazards from Trees) Regulations 2003.	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) The extent of the works required; (b) Effects on the values, qualities and characteristics of any tree identified in Schedule 30.2; (c) Whether alternative methodologies avoiding the need to affect the tree(s)/vegetation have been adequately considered.

GENI-R12	Pipe and cable bridge structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and gas
(1) Activity status: PER **Where:** (a) Pipe and cable bridge structures that meet all of the following conditions: (i) Do not exceed 25m total length; (ii) Do not exceed 1m width; (iii) Do not exceed 1m depth; (iv) Are not located in an Identified Area.	**(2) Activity status where compliance not achieved: RDIS** Pipe and cable bridge structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and gas: (a) That do not comply with one or more of the conditions of Rule GENI-R12(1); or (b) Are located within Identified areas **Discretion is restricted to:** (c) The functional and operational needs of, and benefits derived from, the infrastructure; (d) Visual, streetscape and amenity effects, (e) Public safety; (f) Effects on the values, qualities and characteristics of any Identified Area.

GENI-R13	Electric vehicle chargers
(1) Activity status: PER **Where:** (a) Electric vehicle chargers that meet all of the following conditions: (i) Do not exceed maximum height of 1.8m each; (ii) Do not exceed a maximum area of 1.5m2 each; (iii) Have a socket connection, or a fitted cable-management accessory; (iv) Have at least one formed car park (in accordance with the relevant requirements of Table 11) per connection or charging cable if the site is located outside the road; (v) Are not located in an Identified Area.	**(2) Activity status where compliance not achieved: RDIS** Electric vehicle charging stations located: (a) That do not comply with one or more of the conditions of Rule GENI-R13(1); or (b) Are located within Identified areas. **Discretion is restricted to:** (c) The functional and operational needs of, and benefits derived from, the infrastructure; (d) Visual, streetscape and amenity effects; (e) Road network safety and efficiency; (f) Public safety; (g) Effects on the values, qualities and characteristics of any Identified Area.

GENI-R14	Service connections
(1) Activity status: PER **Where:** (a) There is no connection to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) The functional and operational needs of, and benefits derived from, the activity, and (b) Effects on the specific values, qualities and characteristics of the item specifically

	listed in SCHED1 – Historic Heritage Items.

GENI-R15	Minor infrastructure structure
(1) Activity status: PER **Where:** (a) There is no connection to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items.	**(2) Activity status where compliance not achieved: RDIS** **(3) Discretion is restricted to:** (a) The functional and operational needs of, and benefits derived from, the activity, and (b) Effects on the specific values, qualities and characteristics of the item specifically listed in SCHED1 – Historic Heritage Items.

GENI-R16	Closed-circuit television (CCTV) systems attached to existing buildings and structures
(1) Activity status: PER **Where:** (a) There is no connection to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items.	**(2) Activity status where compliance not achieved: RDIS** **(3) Discretion is restricted to:** (a) The functional and operational needs of, and benefits derived from, the activity, and (b) Effects on the specific values, qualities and characteristics of the item specifically listed in SCHED1 – Historic Heritage Items

GENI-R17	Signage associated with infrastructure required for health and safety or asset identification purposes and/or required by legislation
(1) Activity status: PER **Activity-specific conditions:** Nil	**(2) Activity status where compliance not achieved: n/a**

GENI-R18	Service connections for subdivision
(1) Activity status: PER **Where:** (a) 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: (i) Wastewater; (ii) Water supply; (iii) Stormwater (a management system that complies with Rule WWS-R1(1));	**(2) Activity status where compliance not achieved: DIS**

(iv) Electricity supply; (v) Telecommunications that is hard-wired or wireless; and (vi) Vehicle access that complies with TRAN-R1 (b) Rule GENI-R18(1)(a)(i) does not apply to any allotment that is served by a site-contained wastewater system in accordance with Rule WWS-R3. (c) Within all zones, except the GRUZ – General rural zone and RLZ – Rural lifestyle zone, the water supply required under Rule GENI-R18(1)(a)(ii) must be adequate for fire fighting purposes.	

GENI-R19	Subdivision to create a utility allotment for accommodating infrastructure
(1) Activity status: CON **Activity-specific conditions:** (a) Is undertaken by a network utility operator as defined by the Resource Management Act 1991; and (b) Is for infrastructure permitted under EIT – Infrastructure, energy or transport; or (c) Is for infrastructure that has all necessary resource consents granted or notices of requirement confirmed. **(2) Control is reserved over:** (a) The adequacy of the allotment for its intended use; (b) Whether any easement is required.	**(3) Activity status where compliance not achieved: DIS**

GENI-R20	Activities and permanent structures or facilities located within road or unformed road not provided as road network activities under Rules TRAN-R1 to TRAN-R9
(1) Activity status: DIS **Activity-specific conditions:** (a) Activities and permanent structures or facilities located within road or unformed road not provided as road network activities under Rules TRAN-R1 to TRAN-R9	

NATG – National Grid

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- TERA – Telecommunications and radiocommunications;
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Rules

NATG-R1	Buildings, structures and sensitive land uses within the National Grid Yard in existing GRZ – General residential or LLRZ – Large lot residential zones as of 18 July 2018
(1) Activity status: PER **Where:** (a) Within the National Grid Yard in the GRZ – General residential or LLRZ – Large lot residential zones: (i) 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; (ii) New buildings and structures that are not for a sensitive land use; (iii) 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. (b) All buildings or structures permitted by Rule NATG-R1(1)(a) must: (i) 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; (ii) Locate a minimum of 12m from the outer visible foundation of any National Grid tower and a minimum 12m from any pole and associated stay wire, unless it is one of the following:	**(2) Activity status where compliance not achieved: NC**

(1) A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663; (iii) The maximum height of fences are 2.5m within 5m from the nearest National Grid Pole or 6m from the nearest National Grid Tower.	

NATG-R2	Buildings, structures and sensitive land use within the National Grid Yard in all other zones as of 18 July 2018
(1) Activity status: PER **Where:** (a) Within the National Grid Yard in the COMZ – Commercial zone, Business, GIZ – General industrial zone, RLZ – Rural lifestyle zone, HIZ – Heavy industrial zone, GRUZ – General rural zone, TCZ - Town centre zone, MSRZ – Motorsport and recreation zone, BTC – Business Tamahere zone, TKAZ – Te Kowhai airpark zone, or OSZ – Open space zone: (i) Building alterations and additions to an existing building or structure that does not involve an increase in the building height or footprint; or (ii) 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 (iii) Non-habitable buildings or structures for farming activities in rural zones (but not including any intensive farming buildings, commercial greenhouses and milking/dairy sheds); or (iv) Yards for milking/dairy sheds; or (v) Artificial crop protection and support structures. (b) All buildings or structures permitted by Rule NATG-R2(1)(a) must: (i) Comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 under all National Grid	**(2) Activity status where compliance not achieved: NC**

transmission line operating conditions; and (ii) Locate a minimum 12m from the outer visible foundation of any National Grid tower and locate a minimum 12m from any pole and associated stay wire, unless it is: (1) A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663; or (2) Fences; or (3) Artificial crop protection. (c) The maximum height of fences are 2.5m within 5m from the nearest National Grid Pole or 6m from the nearest National Grid tower. (d) Artificial crop protection and support structures between 8m and 12m from a single pole support structure and any associated guy wire (but not tower) must: (i) Meet the requirements of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 for separation distances from the conductor; (ii) Be maximum 2.5m high; (iii) Be removable or temporary, to allow a clear working space of at least 12 metres from the pole when necessary for maintenance and emergency repair purposes; (iv) Allow all-weather access to the pole and a sufficient area for maintenance equipment, including a crane.	

NATG-R3	Earthworks activities within the National Grid Yard
(1) Activity status: PER **Activity-specific conditions:** (a) Earthworks for National Grid support poles and any stay wires that comply with the following conditions: (i) Do not exceed a depth of 300mm within 2.2m of the pole or stay wire; and	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) Impacts on the operation, maintenance, upgrading and development of the National Grid; (b) The risk to the structural integrity of the affected National Grid support structure(s);

(ii) Do not exceed a depth of 750mm between 2.2m and 5m of the pole or stay wire. (b) 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: (i) Do not exceed 300m depth within 6m of the outer edge of the visible foundation of the tower; (ii) Do not exceed 3m between 6m and 12m of the outer edge of the visible foundation of the tower; (iii) Do not compromise the stability of a National Grid support structure; (iv) Do not result in the loss of access to any National Grid support structure; and (v) 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. (c) The following earthworks activities are exempt from Rules NATG-R3(1)(a) and (b): (i) 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; (ii) Earthworks undertaken as part of agricultural or domestic cultivation, or repair, sealing or resealing of a road, footpath, driveway or farm track; (iii) Vertical holes not exceeding 500mm in diameter that: (1) are more than 1.5m from the outer edge of the pole support structure or stay wire, or (2) 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; (iv) Earthworks for which a dispensation has been granted by Transpower under New Zealand Electrical Code	(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.

of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663.	

NATG-R4	Below ground transmission lines associated with the National Grid not located within identified areas
(1) Activity status: RDIS **Activity-specific conditions:** (a) Below ground transmission lines associated with the National Grid not located within identified areas **Discretion is restricted to:** (b) The functional and operational needs of, and benefits derived from, the infrastructure; (c) Visual, streetscape and amenity effects; (d) The risk of electrical hazards affecting public or individual safety, and risk of property damage.	**(2) Activity status where compliance not achieved: NC**

NATG-R5	Transformers, substations and switching stations associated with the National Grid not located within Identified Areas
(1) Activity status: RDIS **Activity-specific conditions:** (a) Transformers, substations and switching stations associated with the National Grid not located within Identified Areas **Discretion is restricted to:** (b) The functional and operational needs of, and benefits derived from, the infrastructure; (c) Visual, streetscape and amenity effects; (d) The risk of electrical hazards affecting public or individual safety, and risk of property damage.	**(2) Activity status where compliance not achieved: NC**

NATG-R6	Subdivision of land in any zone within the National Grid Corridor
(1) Activity status: RDIS **Activity-specific conditions:** (a) The subdivision of land in any zone within the National Grid Corridor that complies with all of the following conditions: (i) All allotments intended to contain a sensitive land use must provide a building platform for the likely principal building(s) and any building(s) for a sensitive land use to be located outside of the National Grid Yard, other than where the allotments are	**(2) Activity status where compliance not achieved: NC**

for roads, access ways or infrastructure; or (ii) 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. **Discretion is restricted to:** (b) The subdivision layout and design in regard to how this may impact on the operation, maintenance, upgrading and development of the National Grid; (c) The ability to provide a complying building platform outside of the National Grid Yard; (d) The risk of electrical hazards affecting public or individual safety, and the risk of property damage; (e) The nature and location of any vegetation to be planted in the vicinity of National Grid transmission lines.	

NATG-R7	New below ground transmission lines associated with the National Grid within identified areas
(1) Activity status: DIS **Where:** (a) New below ground transmission lines associated with the National Grid within identified areas	

NATG-R8	New above-ground transmission lines associated with the National Grid not located within identified areas
(1) Activity status: DIS **Where:** (a) New above-ground transmission lines associated with the National Grid not located within identified areas	

NATG-R9	Above-ground transmission lines associated with the National Grid located within identified areas
(1) Activity status: NC **Where:** (a) Above-ground transmission lines associated with the National Grid located within identified areas	

NATG-R10	Transformers, substations and switching stations associated with the National Grid located within identified areas
(1) Activity status: NC **Where:**	

(a) Transformers, substations and switching stations associated with the National Grid located within identified areas.

NATG-R11	Any new building for a sensitive land use within the National Grid Yard
(1) Activity status: NC **Where:** (a) Any new building for a sensitive land use within the National Grid Yard	

NATG-R12	Any change of use of an existing building to a sensitive land use within the National Grid Yard
(1) Activity status: NC **Where:** (a) Any change of use of an existing building to a sensitive land use within the National Grid Yard	

NATG-R13	The establishment of any new sensitive land use within the National Grid Yard
(1) Activity status: NC **Where:** (a) The establishment of any new sensitive land use within the National Grid Yard	

NATG-R14	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
(1) Activity status: NC **Where:** (a) 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	

NATG-R15	Dairy/milking sheds or buildings for intensive farming within the National Grid Yard
(1) Activity status: NC **Where:** (a) Dairy/milking sheds or buildings for intensive farming within the National Grid Yard	

ELDIS – Electrical Distribution

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- WWS – Water, wastewater and stormwater; and
- TRAN – Transportation

Rules

ELDIS-R1	Below ground distribution lines
(1) Activity status: PER **Where:** Nil	**(2) Activity status where compliance not achieved: n/a**

ELDIS-R2	Overhead distribution lines and support structures within the GRUZ – General rural zone
(1) Activity status: PER **Where:** (a) Overhead distribution lines and support structures that comply with the following: (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.	**(2) Activity status where compliance not achieved: n/a**

ELDIS-R3	Overhead distribution lines and support structures within road or unformed road located adjacent to the GRUZ – General rural zone
(1) Activity status: PER **Where:** (a) Overhead distribution lines and support structures that comply with the following: (i) Do not exceed a voltage up to and including 110kV; and	**(2) Activity status where compliance not achieved: n/a**

(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.	

ELDIS-R4	Substations and associated transformers and switching stations
(1) Activity status: PER **Where:** (a) Substations and associated transformers and switching stations distributing electricity that comply with the following: (i) Distribute electricity at a voltage up to and including 110kV; and (ii) Are located within the COM – Commercial zone, TCZ – Town Centre zone, BTZ – Business Tamahere zone, TKAZ – Te Kowhai airpark zone, GIZ – General industrial zone, HIZ – Heavy industrial zone and MRS - Motorsport and recreation zone; and (iii) Any ancillary buildings do not exceed 100m² in gross floor area; and (iv) Are not located within an Identified Area.	**(2) Activity status where compliance not achieved: DIS**

ELDIS-R5	Construction or alteration of a building for a sensitive land use
(1) Activity status: PER **Where:** (a) The construction or alteration of a building for a sensitive land use that complies with all of the following conditions: (i) It is set back a minimum of 10m from the centre of line of any electrical distribution or transmission lines, not associated with the National Grid, that operate at a voltage of up to10kV; or (ii) It is set back a minimum of 12m from the centre of line of any electrical distribution or transmission lines, not associated with the National Grid, that operate at a voltage of 110kV or more.	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) Effects on the amenity values of the site; (b) The risk of electrical hazards affecting the safety of people; (c) The risk of damage to property; (d) Effects on the operation, maintenance and upgrading of the electrical distribution or transmission lines.

Discretionary

ELDIS-R6	Construction or alteration of a building for a sensitive land use
(1) Activity status: RDIS **Where:** (a) Overhead distribution lines and support structures not exceeding a voltage up to and including 110kV: (i) Not located within the GRUZ – General rural zone; (ii) Not located within an Identified Area. **(2) Discretion is restricted to:** (a) The functional need and operational need of, and benefits derived from, the infrastructure; (b) The extent to which alternative technologies and techniques have been considered; (c) The extent to which co-location of overhead lines is technically, economically and practically reasonable; (d) The extent to which the proposal is in accordance with relevant industry standards and meets specified clearance requirements for operational and safety reasons; (e) The extent to which the proposal will adversely affect the amenity values of the site and locality; (f) The extent to which there are difficult ground conditions, topography or obstructions which make undergrounding impractical.	**(3) Activity status where compliance not achieved: n/a**

ELDIS-R7	Overhead distribution lines and support structures exceeding a voltage of 110kV
(1) Activity status: DIS	

ELDIS-R8	Overhead distribution lines and support structures of any voltage located within an identified area
(1) Activity status: DIS	

ELGEN – Electricity Generation

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- TRAN – Transportation

Rules

ELGEN-R1	Small-scale electricity generation
(1) Activity status: PER **Activity-specific conditions:** (a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following conditions, where applicable: (i) Is not located within an Identified Area; (ii) Is not located on a road, or unformed road; (iii) Less than 20kW of electricity is generated; (iv) Maximum one wind turbine per site in the GRZ – General residential zone, RPZ – Rangitahi Peninsula zone and LLRZ – Large lot residential zone; (v) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (vi) Freestanding wind turbines have a maximum blade diameter of 2.5m; (vii) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (viii) Roof-mounted wind turbines have a maximum blade diameter of 2.5m; (ix) Any wind turbine on a site adjoining GRZ – General residential zone, RPZ – Rangitahi Peninsula zone or LLRZ – Large lot residential zone must meet the height in relation to boundary	**(2) Activity status where compliance not achieved: RDIS** **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.

limits on the boundary with that adjoining zone; (x) Solar panels on the roof of a building must not exceed 1.5m in height above the existing roof; (xi) Wind turbine noise must: (1) 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: (a) Any existing building or structure for sensitive land uses; and (b) Any potential building site where a building or structure for sensitive land uses could be located as a permitted activity; (2) Be measured and assessed in accordance with NZS6808: 2010 Acoustics – Wind Farm Noise	

ELGEN-R2	Community-scale electricity generation
(1) Activity status: PER **Activity-specific conditions:** (a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following conditions, where applicable: (i) Is not located within an Identified Area; (ii) Is not located on a road, or unformed road; (iii) Less than 20kW of electricity is generated; (iv) Maximum one wind turbine per site in the GRZ – General residential zone, RPZ – Rangitahi Peninsula zone and LLRZ – Large lot residential zone; (v) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (vi) Freestanding wind turbines have a maximum blade diameter of 2.5m; (vii) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m;	**(2) Activity status where compliance not achieved: RDIS** **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.

(viii) Roof-mounted wind turbines have a maximum blade diameter of 2.5m; (ix) 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; (x) Solar panels on the roof of a building must not exceed 1.5m in height above the existing roof; (xi) Wind turbine noise must: (1) 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: (a) Any existing building or structure for sensitive land uses; and (b) Any potential building site where a building or structure for sensitive land uses could be located as a permitted activity; (2) Be measured and assessed in accordance with NZS6808: 2010 Acoustics – Wind Farm Noise	

ELGEN-R3	Research and exploratory-scale investigations for renewable electricity generation activities
(1) Activity status: PER **Activity-specific conditions:** (a) Research and exploratory-scale investigations for renewable electricity generation activities that comply with all of the following: (i) The noise limits that are applicable to the zone; (ii) The height of any equipment must not exceed the building height limit of the zone in which they are located by more than 3m; (iii) The size and location of any equipment must not exceed height in relation to boundary relevant to the zone in which it is located; and (iv) Setbacks relevant to the zone in which it is located; (v) Is not located within an identified area;	**(2) Activity status where compliance not achieved: RDIS** **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.

(vi) Is not located on a road, or unformed road.	

ELGEN-R4	Temporary diesel-fuelled electricity generation activities
(1) Activity status: PER **Activity-specific conditions:** Nil	**(2) Activity status where compliance not achieved: n/a**

ELGEN-R5	Large-scale wind farms located within the GRUZ – General rural zone
(1) Activity status: DIS	

ELGEN-R6	Large-scale wind farms not located within the Rural Zone, including within an Identified Area
(1) Activity status: NC	

LFG – Liquid fuels and gas

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- WWS – Water, wastewater and stormwater; and
- TRAN – Transportation

Rules

LFG-R1	Below ground pipelines for the conveyance of liquid fuels and g
(1) Activity status: PER **Activity-specific conditions:** (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.	**(2) Activity status where compliance not achieved: DIS**

LFG-R2	Below ground pipelines located within an Identified
(1) Activity status: PER **Activity-specific conditions:** (a) Below ground pipelines for the conveyance of liquid fuels and gas located within an Identified Area that comply with the following: (i) There are no aboveground sections of pipeline within the Identified Area; and (ii) Gas pipelines must not exceed a gauge pressure of 2,000 kilopascals.	**(2) Activity status where compliance not achieved: DIS**

LFG-R3	Storage facilities and pump stations for liquid fuels and gas

(1) Activity status: PER **Activity-specific conditions:** (a) Storage facilities and pump stations for liquid fuels and gas that comply with all of the following: (i) Is not located within an Identified Area; and (ii) Is not located on a road, or unformed road.	(2) Activity status where compliance not achieved: DIS

MET – Meteorological

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- AMAR – Amateur radio;
- TERA – Telecommunications and radiocommunications;
- WWS – Water, wastewater and stormwater; and
- TRAN – Transportation

Rules

MET-R1	Meteorological enclosures and buildings, including automatic weather stations
(1) Activity status: PER **Activity-specific conditions:** (a) Meteorological enclosures and buildings, including automatic weather stations, that comply with all of the following: (i) The size of the structure must not exceed 30m2 in gross floor area; (ii) The structure complies with any relevant building height condition for the applicable zone; (iii) Is not located within an Identified Area; (iv) Is not located on a road, or unformed road.	**(2) Activity status: RDIS** **Discretion is restricted to:** (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) Road network safety and efficiency; and (d) Effects on the specific values, qualities and characteristics of any Identified Area.

MET-R2	Meteorological and air quality monitoring structures and devices
(1) Activity status: PER **Activity-specific conditions:** (a) Meteorological and air quality monitoring structures and devices that comply with all of the following: (i) Do not exceed 12m in height; (ii) There shall be no more than one instrument or device per site; (iii) Is not located within an Identified Area; (iv) Is not located on a road, or unformed road.	**(2) Activity status: RDIS** **Discretion is restricted to:** (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) Road network safety and efficiency; and (d) Effects on the specific values, qualities and characteristics of any Identified Area.

MET-R3	Meteorological enclosures and buildings, including automatic weather stations located within Identified areas
(1) Activity status: DIS **Activity-specific conditions:** Nil	

MET-R4	Meteorological and air quality monitoring structures and devices located within Identified areas
(1) Activity status: DIS **Activity-specific conditions:** Nil	

AMAR – Amateur radio

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Rules

AMAR-R1	Antennas associated with amateur radio configurations
(1) Activity status: PER **Activity-specific conditions:** (a) Antennas associated with amateur radio configurations that comply with all of the following: (i) Where attached to a building or other structure (including a mast): (1) The maximum diameter is 2m for an antenna dish; (2) The maximum area is 2m2 in area for a panel antenna; (3) The maximum dimension in any direction is 2m for a panel antenna; (4) The antenna must not overhang a site boundary; (ii) One pedestal-mounted antenna per site that meets the following: (1) The antenna is pivoted less than 4m above the ground; (2) The maximum diameter is 5m; (3) Complies with the setback and height in relation to boundary requirements of the relevant zone; (iii) Are not located within an Identified Area; (iv) Is not located on a road, or unformed road	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (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.

AMAR-R2	Aerials associated with amateur radio configurations

(1) Activity status: PER **Activity-specific conditions:** (a) Aerials associated with amateur radio configurations that comply with all of the following: (i) Any of the elements making up the aerial do not exceed 80mm in diameter; (ii) For horizontal HF yagi aerials, the maximum element length does not exceed 14.9m, and the boom length does not exceed 13m; (iii) No part of the aerial (including aerial wires) overhangs a site boundary; (iv) The setback standards applying to buildings in the applicable zone, except that aerial wires are not required to comply with the setback standards; (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 AMAR-R2(1)(a)(vi) below); (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 AMAR-R3(1)(a)(iii) below per site that exceeds the 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.	(2) Activity status where compliance not achieved: RDIS **Discretion is restricted to:** (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.

AMAR-R3	Support structures associated with amateur radio configurations
(1) Activity status: PER **Activity-specific conditions:** (a) Support structures associated with amateur radio configurations that comply with all of the following: (i) For wire aerials of less than 115mm in outside diameter, no more than six support poles per site provided that: (1) The maximum height of the support poles is the maximum building height applying in the zone in which they are located;	(2) Activity status where compliance not achieved: RDIS **Discretion is restricted to:** (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.

(2) The setback and height in relation to boundary standards shall not apply to these support poles; (ii) Where guy wires are used these must not exceed 12mm in diameter; (iii) One pole support structure (excluding support poles for wire aerials) or lattice support structure per site, provided that: (1) 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 (2) 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; (3) 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; (4) Where guy wires are used these must not exceed 12mm in diameter; (5) At no point must any guy wire overhang the boundary; (iv) For each site, one support structure can exceed the maximum stated height applying to buildings in the applicable zone by more than 2m, provided that: (1) The maximum height of the support structure and any attached aerials or antennas is 20m; (2) The supporting structure may be one of the following: (a) A guyed mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m shall be 115mm, or (b) A guyed lattice mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m shall be 300mm. The mast may be	

of constant width or tapering, or (c) A self-supporting lattice mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m must fit within a tapering envelope with a maximum inscribed circle of 660mm at 9m and 420mm at 20m, or (d) A self-supporting tubular mast. The maximum inscribed circle of the mast below 9m shall be 1000mm, and above 9m must fit within a tapering envelope with a maximum inscribed circle of 230mm at 9m and 115mm at 20m; and (e) There may be local enlargement of the support structure to accommodate a rotator mechanism; and (f) 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 (g) Where guy wires are used, these must not exceed 12 mm in diameter; and (h) At no point must any guy wire overhang the boundary; (v) Are not located within an Identified Area; and (vi) Is not located on a road, or unformed road.	

AMAR-R4	Antennas, aerials and support structures associated with amateur radio configurations located within road and unformed road
(1) Activity status: DIS **Activity-specific conditions:** (a) Antennas, aerials and support structures associated with amateur radio configurations located within road and unformed road	

AMAR-R5	Antennas, aerials and support structures associated with amateur radio configurations located within Identified areas
(1) Activity status: DIS **Activity-specific conditions:** (a) Antennas, aerials and support structures associated with amateur radio configurations located within Identified areas	

TERA – Telecommunications and radiocommunications

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- GENI – General infrastructure;
- NATG – National grid;
- ELDIS – Electrical distribution;
- ELGEN – Electricity generation;
- LFG – Liquid fuels and gas;
- MET – Meteorological;
- AMAR – Amateur radio;
- TERA – Telecommunications and radiocommunications;
- WWS – Water, wastewater and stormwater; and
- TRAN – Transportation

Note:

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

Rules

TERA-R1	Ancillary equipment[+1]
(1) Activity status: PER **Activity-specific conditions:** (a) Ancillary equipment that complies with the following: (i) It is not connected to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items.	**(2) Activity status where compliance not achieved: CON** **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.

TERA-R2	Below ground telecommunications and radiocommunications facilities, lines, cables and ducts
(1) Activity status: PER **Activity-specific conditions:** Nil	**(2) Activity status where compliance not achieved: n/a**

TERA-R3	Cabinets[+1]
(1) Activity status: PER **Activity-specific conditions:** (a) Cabinets that comply with the following condition:	**(2) Activity status where compliance not achieved: CON** **Control is reserved over:**

(i) Are not located within an Identified Area.	(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.

TERA-R4	Antennas and lines attached to retaining walls, tunnels, bridges and other structures located within the road[+1]
(1) Activity status: PER **Activity-specific conditions:** (a) Antennas that comply with all of the following conditions: (i) Do not connect to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items; (ii) Panel antenna do not exceed 0.7m in width; (iii) Dish antenna do not exceed 0.6m in width within the GRZ – General residential zone; (iv) Within the GRZ – General residential zone the maximum number of antennas per site is 4. (b) Rule TERA-R4(1)(a) does not apply a face-mounted panel antenna located within the fascia and below the roof line of an existing building.	**(2) Activity status where compliance not achieved: [Drafting note: Activity status for non-compliance is not clear. Clarification sought from s42A Author/Submitters]**

TERA-R5	Antennas[+1] attached to a building and/or structure
(1) Activity status: PER **Activity-specific conditions:** (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 SCHED1 – Historic Heritage Items; (ii) The building and/or structure is located within: (1) COMZ – Commercial zone (2) TCZ – Town centre zone (3) BTZ – Business Tamahere zone (4) TKAZ – Te Kowhai airpark zone (5) GIZ – General industrial zone (6) HIZ – Heavy industrial zone	**(2) Activity status where compliance not achieved: CON** **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.

(7) MSRZ – Motorsport and recreation zone (8) GRUZ – General rural zone (9) RLZ – Rural lifestyle zone (10) OSZ – Open space zone (iii) The face of the antenna does not exceed 1.5m² or 1.2m in diameter for dish antennas. (iv) Rule TERA-R5 does not apply to private television antennas and satellite dishes +2.	

TERA-R6	Antennas inside new or existing buildings
(1) Activity status: PER **Activity-specific conditions:** Nil	**(2) Activity status where compliance not achieved: n/a**

TERA-R7	Antennas not attached to a building and/or structure
(1) Activity status: PER **Activity-specific conditions:** (a) Antennas that comply with all of the following conditions: (i) GPS Antennas that do not exceed the following dimensions: (1) 300mm high: and (2) 130mm in diameter. (ii) Omni-directional 'whip' or di-pole type antennas that do not exceed the following dimensions: (1) 1.6m high; (2) 1.5m horizontal length whip or rod; or (3) Cross section element no more than 60mm in diameter. (iii) Are not located within an Identified Area. (iv) Do not connect to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items.	**(2) Activity status where compliance not achieved: [Drafting note: Activity status for non-compliance is not clear. Clarification sought from s42A Author/Submitters]**

TERA-R8	Small cell units exceeding the permitted volumetric dimension of 0.11m³ regulated in the NESTF
(1) Activity status: PER **Activity-specific conditions:** (a) Small cell units exceeding the permitted volumetric dimension of 0.11m³ regulated in the NESTF that comply with all of the following conditions: (i) Do not exceed a maximum volumetric dimension of 0.25m³;	**(2) Activity status where compliance not achieved: [Drafting note: Activity status for non-compliance is not clear. Clarification sought from s42A Author/Submitters]**

(ii) Are not located within an Identified Area; and (iii) Do not connect to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items.	

TERA-R9	Poles, antennas and headframes[+1]

(1) Activity status: PER

Activity-specific conditions:

(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 SCHED1 – Historic Heritage Items;

(iii) Comply with the height in relation to boundary limits for the zone in which it is located;

(iv) Not exceed the height limits set out in the following table:

Zone	Permitted height
GRUZ – General rural zone, RLZ – Rural lifestyle zone	25m (and 30m for co-location of at least two operators)
GIZ – General industrial zone, HIZ – Heavy industrial zone, MSRZ – Motorsport and recreation zone	25m (and 30m for co-location of at least two operators)
COMZ – Commercial zone, TCZ – Town centre zone BTZ – Business Tamahere zone, TKAZ – Te Kowhai airpark zone	20m
OSZ – Open space zone	20m
GRZ – General residential zone, LLRZ - Large lot residential zone, RPZ – Rangitahi Peninsula zone	15m
Road or unformed road	That of the adjoining zone

(b) Headframes that comply with the following conditions:

(i) Comply with the height in relation to boundary limits for the zone in which it is located;

(2) Activity status where compliance not achieved: CON

Where:

Poles, antennas and headframes located within an Identified Area that comply with Rule TERA-R9(1)

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.

(3) Activity status: RDIS

Where:

Poles, antennas and headframes not complying with regulations 26-35 of the NESTF or Rule TERA-R9(1)

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.

(4) Activity Status: DIS

Where:

Poles, antennas and headframes located within an Identified Area not complying with regulations 26-35 of the NESTF or Rule TERA-R9(1)

(ii) Within the GRZ – General residential zone do not exceed 1.0m diameter; or (iii) Within all other zones and unformed roads do not exceed 6.0m diameter; and (iv) Within the road do not exceed 0.7m diameter. (c) Rule TERA-R9(1) does not apply to lightning rods and GPS antenna, omni directional whip antenna, ancillary telecommunication devices and earthpeaks.	

TERA-R10	Externally-mounted telecommunication satellite dishes and ancillary components
(1) Activity status: PER **Activity-specific conditions:** (a) Externally-mounted telecommunication satellite dishes and ancillary components that comply with the following conditions: (i) Do not exceed 1.0m in diameter; (ii) Are attached to existing buildings; (iii) Do not connect to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items; and (iv) Are not located within an Identified Area.	**(2) Activity status: CON** **Activity-specific conditions:** (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 located within an Identified Area. **(3) 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.

TERA-R11	Telecommunication kiosk
(1) Activity status: PER **Activity-specific conditions:** (a) Telecommunication kiosks that comply with all of the following conditions: (i) Are not located within road or unformed road located adjacent to an Identified Area; (ii) (Do not connect to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items; and (iii) Are not located within an Identified Area.	**(2) Activity status where compliance not achieved: RDIS** **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.

TERA-R12	Telephone exchanges, including the installation and operation of equipment inside existing telephone exchanges
(1) Activity status: PER **Activity-specific conditions:** (a) Telephone exchanges, including the installation and operation of equipment inside existing telephone exchanges, that comply with the following conditions: (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.	**(2) Activity status where compliance not achieved: DIS**

TERA-R13	Self-contained power units
(1) Activity status: PER **Activity-specific conditions:** (a) Self-contained power units that comply with all of the following conditions: (i) Do not connect to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items; (ii) Are not located within an Identified Area.	**(2) Activity status where compliance not achieved: [Drafting note: Activity status for non-compliance is not clear. Clarification sought from s42A Author/Submitters]**

TERA-R14	Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the NESTF
(1) Activity status: PER **Activity-specific conditions:** (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: (i) Do not exceed 20m in height; and	**(2) Activity status: RDIS** **Activity-specific conditions:** (a) Aerial telecommunication lines and associated support structures, including those not complying with regulations 41-42 of the NESTF, that: (i) Do not comply with one or more conditions of Rule TERA-R14(1); and

(ii) Are located within the GRUZ – General rural zone; or (iii) Are located within road or unformed road located adjacent to the GRUZ – General rural zone.	(ii) Are not located within an Identified Area. **Discretion is restricted to:** (b) The functional and operational needs of, and benefits derived from, the infrastructure; (c) The bulk, form, scale, location of the structure; (d) Visual, landscape, streetscape and amenity effects; (e) Where located within a road, the operation and function of road network activities, (f) Effects on the values, qualities and characteristics of the site. **(3) Activity status: DIS** **Activity-specific conditions:** (a) Aerial telecommunication lines and associated support structures located within an Identified Area

TERA-R15	Lightning rods
(1) Activity status: PER **Activity-specific conditions:** (a) Lightning rods that comply with all of the following conditions: (i) Do not exceed 1.8m in height; (ii) Do not connect to an area, façade or item specifically listed in SCHED1 – Historic Heritage Items.	**(2) Activity status where compliance not achieved: [Drafting note: Activity status for non-compliance is not clear. Clarification sought from s42A Author/Submitters]**

TERA-R16	Cabinets not meeting the NESTF regulations 19, 20, and 21
(1) Activity status: CON **Activity-specific conditions:** (a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within: (i) COMZ – Commercial zone; (ii) TCZ – Town centre zone; (iii) BTZ – Business Tamahere zone; (iv) TKAZ – Te Kowhai airpark zone; (v) GIZ – General industrial zone; (vi) HIZ – Heavy industrial zone; (vii) MSRZ – Motorsport and recreation zone; (viii) GRUZ – General rural zone; (ix) RLZ – Rural lifestyle zone; (x) OSZ – Open space zone **Control is reserved over:**	**(2) Activity status: RDIS** **Activity-specific conditions:** (a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within: (i) GRZ – General residential zone (ii) LLRZ - Large lot residential zone (iii) RPZ – Rangitahi Peninsula zone (iv) Road and unformed road **Discretion is restricted to:** (b) The functional and operational needs of, and benefits derived from, the infrastructure; (c) The bulk, form, scale, location of the structure; (d) Visual, landscape, streetscape and amenity effects;

(b) The size, colour and design of the proposed facility, equipment or structure; (c) The location of the proposed facility, equipment or structure; (d) The ability to provide screening or landscaping; and (e) Effects on the values, qualities and characteristics of the site.	(e) Where located within a road, the operation and function of road network activities, (f) Effects on the values, qualities and characteristics of the site. **(3) Activity status: DIS** **Activity-specific conditions:** (a) Cabinets not meeting the NESTF regulations 19, 20, and 21 that are located within an Identified Area

TERA-R17	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
(1) Activity status: CON **Activity-specific conditions:** (a) 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 **Control is reserved over:** (b) The size, colour and design of the proposed facility, equipment or structure; (c) The location of the proposed facility, equipment or structure; (d) The ability to provide screening or landscaping; and (e) Effects on the values, qualities and characteristics of the site.	**(2) Activity status where compliance not achieved: n/a**

TERA-R18	Dish antennas not complying with regulations 26-35 of the NESTF
(1) Activity status: CON **Activity-specific conditions:** (a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within: (i) COMZ – Commercial zone; (ii) TCZ – Town centre zone; (iii) BTZ – Business Tamahere zone; (iv) TKAZ – Te Kowhai airpark zone; (v) GIZ – General industrial zone; (vi) HIZ – Heavy industrial zone; (vii) MSRZ – Motorsport and recreation zone; (viii) GRUZ – General rural zone; (ix) RLZ – Rural lifestyle zone; (x) OSZ – Open space zone **Control is reserved over:**	**(2) Activity status: RDIS** **Activity-specific conditions:** (a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within: (i) GRZ – General residential zone (ii) LLRZ - Large lot residential zone (iii) RPZ – Rangitahi Peninsula zone (iv) Road and unformed road **Discretion is restricted to:** (b) The functional and operational needs of, and benefits derived from, the infrastructure; (c) The bulk, form, scale, location of the structure;

(b) The size, colour and design of the proposed facility, equipment or structure; (c) The location of the proposed facility, equipment or structure; (d) The ability to provide screening or landscaping; and (e) Effects on the values, qualities and characteristics of the site.	(d) Visual, landscape, streetscape and amenity effects; (e) Where located within a road, the operation and function of road network activities, (f) Effects on the values, qualities and characteristics of the site. **(3) Activity status: DIS** **Activity-specific conditions:** (a) Dish antennas not complying with regulations 26-35 of the NESTF that are located within an Identified Area

TERA-R19	Antennas located within an Identified Area
(1) Activity status: CON **Activity-specific conditions:** (a) Antennas located within an Identified Area that comply with the following: (i) GPS antennas that do not exceed the following dimensions: (1) 300mm high: and (2) 130mm in diameter. (ii) Omni-directional 'whip' or di-pole type antennas that do not exceed the following dimensions: (1) 1.6m high; (2) 1.5m horizontal length whip or rod; or (3) Cross section element no more than 60mm in diameter **(2) 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.	**(3) Activity status where compliance not achieved: [Drafting note: Activity status for non-compliance is not clear. Clarification sought from s42A Author/Submitters]**

TERA-R20	Small cell units located within an Identified Area
(1) Activity status: CON **Activity-specific conditions:** (a) Small cell units located within an Identified Area exceeding the maximum volumetric dimension of 0.11m³ regulated in the NESTF, up to a	**(3) Activity status where compliance not achieved: [Drafting note: Activity status for non-compliance is not clear. Clarification sought from s42A Author/Submitters]**

maximum volumetric dimension of 0.25m³ **(2) 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.	

TERA-R21	Telecommunication kiosks, located within road or unformed road adjacent to an Identified Area
(1) Activity status: CON **Activity-specific conditions:** (a) 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 GENI-R1. **Control is reserved over:** (b) The size, colour and design of the proposed facility, equipment or structure; (c) The location of the proposed facility, equipment or structure; (d) The ability to provide screening or landscaping; and (e) Effects on the values, qualities and characteristics of the site.	**(2) Activity status where compliance not achieved: RDIS** **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.

TERA-R22	Antennas attached to a building and/or structure
(1) Activity status: RDIS **Activity-specific conditions:** (a) Antennas attached to a building and/or structure that comply with all of the following conditions: (i) Are located within: (1) GRZ – General residential zone (2) LLRZ - Large lot residential zone (3) RPZ – Rangitahi Peninsula zone (4) Road and unformed road (ii) The face of the antenna does not exceed 1.5m² or 1.2m in diameter for dish antennas. **(2) Discretion is restricted to:**	**(3) Activity status: DIS** **Activity-specific conditions:** (a) Antennas attached to a building and/or structure located within an Identified Area

(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.	

TERA-R23	Self-contained power units located within an Identified Area
(1) Activity status: DIS **Activity-specific conditions:** (a) Self-contained power units located within an Identified Area	

WWS – Water, wastewater and stormwater

The EIT – Infrastructure, Energy and Transport section of the Plan is broken down into the following sub-sections which are to be read together:

- GENI – General infrastructure;
- NATG – National grid;
- ELDIS – Electrical distribution;
- ELGEN – Electricity generation;
- LFG – Liquid fuels and gas;
- MET – Meteorological;
- AMAR – Amateur radio;
- TERA – Telecommunications and radiocommunications;
- WWS – Water, wastewater and stormwater; and
- TRAN – Transportation

Rules

WWS-R1	Stormwater systems for new development or subdivision
(1) Activity status: PER **Activity-specific conditions:** (a) New development or subdivision must have a stormwater system that complies with all of the following conditions: (i) Operates by gravity; (ii) Manages stormwater in the following manner: (1) Primary systems detain runoff from all impervious surfaces during a 10% Annual Exceedance Probability storm event to ensure that the rate of any stormwater discharge off-site is at or below pre-development rates; and (2) 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 (3) 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	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) The likely effectiveness of the system to avoid flooding, nuisance or damage to other buildings and sites; (b) The capacity of the system and suitability to manage stormwater.

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: (1) Retention of rainwater/stormwater for reuse; (2) Soakage techniques; (3) Infiltration rate of a minimum of 7mm/hour; (4) Treatment, detention and gradual release to a watercourse; (5) Treatment, detention and gradual release to a piped stormwater system. (vi) Where land is subject to instability, stormwater discharges directly to ground occurs only where the ground conditions have been identified as being suitable to absorb such discharges without causing, accelerating or contributing to land instability and downstream effects either on the site or on neighbouring properties; (vii) Connection of new development to any existing stormwater drainage system must not result in the minimum level of 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. **Notes:** (b) 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. (c) A stormwater discharge consent may also be required from the Waikato Regional Council.	

WWS-R2	The establishment of impervious surfaces associated with new development or subdivision

(1) Activity status: PER **Activity-specific conditions:** (a) The establishment of impervious surfaces associated with new development or subdivision that complies with the following condition: (b) The maximum impervious surface of a site within the GRZ – General residential zone, RPZ – Rangitahi Peninsula zone, LLRZ - Large lot residential zone or RLZ – Rural lifestyle zone is 70%.	(2) Activity status where compliance not achieved: RDIS **Discretion is restricted to:** (a) Site design, layout and amenity; (b) The risk of flooding, nuisance or damage to the site or other buildings and sites.

WWS-R3	Wastewater servicing for new development or subdivision
(1) Activity status: PER **Activity-specific conditions:** (a) New development or subdivision must have a wastewater system that complies with the following conditions: (i) Is connected to public, reticulated wastewater network; or (ii) Is connected to a community-scale wastewater system; or (iii) Is provided with a site-contained, alternative method of wastewater disposal that complies with AS/NZS 1547:2012.	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) Health and safety of the occupants; (b) Capacity of the system; (c) Infiltration capacity of the soil; (d) Location, including proximity to waterways and effects on habitats; (e) Contamination of downstream properties by wastewater.

WWS-R4	Below ground pipelines for the conveyance of water, wastewater and stormwater
(1) Activity status: PER **Activity-specific conditions:** (a) Below ground pipelines systems for the conveyance of water, wastewater and stormwater that comply with all of the following: (i) Any aboveground section of a pipeline must comply with the following: (1) Not exceed 25m in length, and (2) Not exceed 300mm in diameter. (ii) Is not located within an Identified Area. (b) The maximum dimensions in Rule WWS-R4(1)(a)(i) do not apply to any above-ground section of pipeline which is attached to or contained within the superstructure of a bridge.	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (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.

WWS-R5	Below ground pipelines for the conveyance of water, wastewater and stormwater located within an Identified Area

(1) Activity status: PER Activity-specific conditions: (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.	(2) Activity status where compliance not achieved: RDIS Discretion is restricted to: (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.

WWS-R6	Pump stations for the conveyance of water, wastewater and stormwater
(1) Activity status: PER Activity-specific conditions: (a) Pump stations for the conveyance of water, wastewater and stormwater that complies with the following condition: (i) Is not located within an Identified Area.	(2) Activity status where compliance not achieved: n/a

WWS-R7	Stormwater treatment, detention and retention facilities or devices
(1) Activity status: PER Activity-specific conditions: (a) Stormwater treatment, detention and retention facilities or devices that comply with the following: (i) Is not a stormwater wetland or pond.	(2) Activity status where compliance not achieved: n/a

WWS-R8	Stormwater ponds or wetlands
(1) Activity status: PER Activity-specific conditions: (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.	(2) Activity status where compliance not achieved: n/a

WWS-R9	Ventilation facilities, drop shafts and manholes
(1) Activity status: PER Activity-specific conditions: (a) Ventilation facilities, drop shafts and manholes that comply with the following:	(2) Activity status where compliance not achieved: RDIS Discretion is restricted to:

(i) Are not located within an Identified Area.	(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.

WWS-R10	Below ground reservoirs
(1) Activity status: PER **Activity-specific conditions:** (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.	**(2) Activity status where compliance not achieved: RDIS**

WWS-R11	Pump stations for the conveyance of water, wastewater and stormwater located within an Identified Area
(1) Activity status: RDIS **Activity-specific conditions:** (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. **(2) Discretion is restricted to:** (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.	**(3) Activity status where compliance not achieved: n/a**

WWS-R12	Stormwater ponds or wetlands, that serve more than one site

(1) Activity status: RDIS **Activity-specific conditions:** (a) Stormwater ponds or wetlands, that serve more than one site, located within: (i) GRZ – General residential zone (ii) RPZ – Rangitahi Peninsula zone (iii) LLRZ - Large lot residential zone (iv) RLZ – Rural lifestyle zone (v) Road and unformed road (vi) Identified Area **(2) Discretion is restricted to:** (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.	**(3) Activity status where compliance not achieved: n/a**

WWS-R13	Outfall structures located within an Identified Area
(1) Activity status: RDIS **Activity-specific conditions:** (a) Outfall structures located within an Identified Area **(2) Discretion is restricted to:** (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.	**(3) Activity status where compliance not achieved: n/a**

WWS-R14	Below ground reservoirs located within an Identified Area or road or unformed road
(1) Activity status: RDIS **Activity-specific conditions:** (a) Below ground reservoirs located within an Identified Area or road or unformed road **(2) Discretion is restricted to:**	**(3) Activity status where compliance not achieved: n/a**

(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.	

WWS-R15	Water treatment plants not located within road and unformed road or an Identified Area
(1) Activity status: DIS **Activity-specific conditions:** (a) Water treatment plants not located within road and unformed road or an Identified Area	

WWS-R16	Wastewater treatment plants
(1) Activity status: DIS **Activity-specific conditions:** (a) Wastewater treatment plants located within the following: (i) GIZ – General industrial zone (ii) HIZ – Heavy industrial zone (iii) MSRZ – Motorsport and recreation zone (iv) GRUZ – General rural zone (v) RLZ – Rural lifestyle zone (vi) OSZ – Open space zone	

WWS-R17	Above ground reservoirs not located within an Identified Area
(1) Activity status: DIS **Activity-specific conditions:** (a) Above ground reservoirs not located within an Identified Area	

WWS-R18	Above ground reservoirs not located within an Identified Area
(1) Activity status: NC **Activity-specific conditions:** (a) Water treatment plants located within the following: (i) Road and unformed road (ii) Identified Area	

WWS-R19	Wastewater treatment plants
(1) Activity status: NC **Activity-specific conditions:** (a) Wastewater treatment plants located within the following: (i) GRZ – General residential zone	

(ii) RPZ – Rangitahi Peninsula zone
(iii) LLRZ - Large lot residential zone
(iv) COMZ – Commercial zone
(v) TCZ – Town centre zone
(vi) BTZ – Business Tamahere zone
(vii) TKAZ – Te Kowhai airpark zone
(viii) Road and unformed road

Identified Area

WWS-R20	Above ground reservoirs located within an Identified Area

(1) Activity status: NC

Activity-specific conditions:

(a) Above ground reservoirs located within an Identified Area

TRAN – Transportation

The EIT – Infrastructure, Energy and Transport section of the Plan is broken down into the following sub-sections which are to be read together:

- GENI – General infrastructure;
- NATG – National grid;
- ELDIS – Electrical distribution;
- ELGEN – Electricity generation;
- LFG – Liquid fuels and gas;
- MET – Meteorological;
- AMAR – Amateur radio;
- TERA – Telecommunications and radiocommunications;
- WWS – Water, wastewater and stormwater; and
- TRAN – Transportation

Rules

TRAN-R1	Vehicle access for all activities
(1) Activity status: PER **Activity-specific conditions:** (a) All activities must comply with the following vehicle access conditions: (i) The site has a vehicle access to a formed road that is maintained by a road-controlling authority; (ii) The site has a vehicle access that is constructed to comply with the relevant requirements of Table 4, Figure 4, Table 5 and Figure 5 except: (1) Rule TRAN-R1(1)(a)(ii) does not apply where the separation distance requirements of Table 4 and Figure 4 cannot be achieved on a site's road frontage due to existing vehicle accesses on adjacent sites; (iii) No new vehicle access shall be created from Newell Road (south of Birchwood Lane); (iv) No access, access leg or right-of-way shall run parallel to any road within 30m of the road, except: (1) TRAN-R1(1)(a)(iv) does not apply to farm races, or unsealed internal rural accesses in sites within the Rangitahi Peninsula Structure Plan Area and Opotoru Road; (v) 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 6 and 7	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) Traffic generation by the activities to be served by the access; (b) Location, design, construction and materials of the vehicle access; (c) Safety for vehicles and pedestrians; (d) Road network safety and efficiency; and (e) Mitigation to address safety.

(where the roads have the same classification, access is only to the road with the lower average daily traffic movements); (vi) New vehicle accesses/entrances are not to be constructed to any site from the following roads: (1) Main Street, Huntly; (2) Jesmond Street, Ngaruawahia; (3) Bow Street, Raglan (James Street to Cliff Street); (4) George Street, Tuakau (Gibson Road to Liverpool Street); (5) Great South Road, Pokeno (Selby Street to Market Street); and (6) Main Street, Te Kauwhata (Saleyard Road to Baird Avenue); and (vii) No new vehicle access shall be created within 30 metres of a railway level crossing. **Note:** Any new vehicle access (or additional land use utilising an existing vehicle access) on a limited access road or state highway will require the approval of the NZ Transport Agency, as the road-controlling authority.	

TRAN-R2	On-site parking and loading
(1) Activity status: PER **Activity-specific conditions:** (a) All activities must comply with the following on-site parking and loading conditions: (i) The parking requirements in Table 8 and 10, noting: (1) 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; (2) If the calculation results in a fraction, then that figure shall be rounded to the nearest whole number; (3) 90 percentile car dimensions in Figure 6 apply; (4) The requirements of Table 8 do not apply to residential and rural activities; (5) Parking spaces must comply with the New Zealand Building Code	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) The number, area, type, location and marking of parking spaces; (b) The area, design, gradient, stormwater management, construction and materials of parking and loading spaces, (c) Accessibility of parking areas from on-site activities; (d) Safety for vehicles and pedestrians; (e) Mitigation to address amenity and connectivity.

D1/AS1 New Zealand Standard for Design for Access and Mobility – Buildings and Associated Facilities (NZS: 4121-2001); (6) The number of accessible car park spaces required in Table 9 can be included in the number of car parking spaces required in Table 8. (ii) On-site bicycle space requirements in Table 10, except: (1) The requirements of Table 10 do not apply to residential and rural activities; (iii) 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; (iv) On-site car parking spaces and loading bays are to be provided in accordance with the requirements of Table 8, Figure 6 and Table 11 and be located on the same site as the activity for which they are required; On-site car parking spaces and loading bays are formed; (v) On-site car parking spaces and loading bays are to be permanently marked if five or more parking spaces are required; (vi) On-site car parking spaces and loading bays are not to be located on any shared access or residential court; (vii) 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; (viii) On-site car parking spaces and loading bays are not required on sites with sole frontages to the following: (1) Main Street, Huntly; (2) Jesmond Street, Ngaruawahia; (3) Bow Street, Raglan (James Street to Cliff Street); (4) George Street, Tuakau (Gibson Road to Liverpool Street); (5) Great South Road, Pokeno (Selby Street to Market Street); (6) Main Street, Te Kauwhata (Saleyard Road to Baird Avenue).	

TRAN-R3	On-site manoeuvring and queuing
(1) Activity status: PER **Activity-specific conditions:** (a) All activities must comply with the following on-site manoeuvring and queuing conditions: (i) On-site manoeuvring space shall be provided to ensure that no vehicle is required to reverse onto a road except: (1) Rule TRAN-R3(1)(a)(i) does not apply to Local Roads within the Residential and Village Zones with a posted speed limit of less than 60 kph; (ii) A 90 percentile car, as defined in Figure 6, can enter and exit all parking spaces without making more than one reverse movement, excluding spaces required for a dwelling; (iii) On-site manoeuvring space for any heavy vehicle shall comply with the tracking curve (relevant for the type of activities to be carried out on the site and trucks to be used), as set out in the guideline RTS 18 - New Zealand on-road tracking curves for heavy motor vehicles (2007); (iv) On-site manoeuvring space shall be formed; (v) On-site queuing space shall be provided in accordance with Table 12 for vehicles entering and exiting any on-site car parking, loading or manoeuvring space, where: (1) Length is measured from the road boundary where vehicles first enter the site; and (2) On-site queuing above must not encroach into the required on-site manoeuvring area; (vi) On-site manoeuvring and queuing spaces are not required on sites with vehicle accesses/entrances to the following: (1) Main Street, Huntly; (2) Jesmond Street, Ngaruawahia; (3) Bow Street, Raglan (James Street to Cliff Street); (4) George Street, Tuakau (Gibson Road to Liverpool Street);	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) Location, area, design, construction and materials of the manoeuvring and queuing space; (b) Type and frequency of use; (c) Safety design for vehicles and pedestrians; (d) Road network safety and efficiency.

(5) Great South Road, Pokeno (Selby Street to Market Street); (6) Main Street, Te Kauwhata (Saleyard Road to Baird Avenue).	

TRAN-R4	Traffic generation
(1) Activity status: PER **Activity-specific conditions:** (a) Any activity must comply with the following traffic generation conditions: (b) Within the GRZ – General residential zone, LLRZ - Large lot residential zone or RLZ – Rural lifestyle zone there is a maximum of 100 vehicle movements per day, and no more than 15% of these vehicle movements are heavy vehicle movements; or (c) Within the RPZ – Rangitahi Peninsula zone there is a maximum of 200 vehicle movements per day, and no more than 5% of these vehicle movements are heavy vehicle movements; or (d) Within the BTZ – Business Tamahere zone, COMZ – Commercial zone or TCZ – Town centre zone there is a maximum of 300 vehicle movements per day, and no more than 15% of these vehicle movements are heavy vehicle movements; or (e) Within the Rural Zone: (f) There is maximum 200 vehicle movements per day and no more than 15% of these vehicle movements are heavy vehicle movements; or (g) Within the Agricultural Research Centres identified on the planning maps as a Specific Area there is maximum 3000 vehicle movements per day; or (h) Within the GIZ – General industrial zone or HIZ – Heavy industrial zone (excluding the Huntly Power Station and Huntly Quarry site): (i) Maximum 250 vehicle movements per day and no more than 15% of these vehicle movements are heavy vehicle movements; or (j) From the Huntly Power Station site as shown as the HIZ – Heavy industrial zone on the planning maps: (k) All traffic movements generated from all activities on the site combined (including	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) The trip characteristics of the proposed activity on the site; (b) Safety design for vehicles and pedestrians; (c) Road network safety and efficiency, particularly at peak traffic times; (d) Mitigation to address adverse effects, such as: (i) Travel planning; (ii) Providing alternatives to private vehicle trips, including accessibility to public transport; (iii) Staging development; and (iv) Contributing to improvements to the road network.

those movements which were lawfully established prior to 5 December 2012), there is a maximum 750 vehicle movements per day; and (l) Maximum 300 of these vehicle movements are heavy vehicle movements; or (m) From the Huntly Quarry site: (n) All traffic movements generated from all activities on the site combined (excluding those movements which were lawfully established prior to 5 December 2012), there is maximum 350 vehicle movements per day; and (o) 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. (p) Within ~~Precincts A and B~~ AREA13 and AREA14 of the TKAZ – Te Kowhai airpark zone there is a maximum 250 vehicle movements per day and no more than 15% of these vehicle movements are heavy vehicle movements. (q) Within ~~Precincts C and D~~ AREA15 and AREA16 of the TKAZ – Te Kowhai airpark zone there is a maximum of 30 vehicle movements per day and no more than 4 of these vehicle movements are heavy vehicle movements except: (r) Movement restrictions do not apply if the activity is an event or promotion (including temporary events) in ~~Precinct C~~ AREA15 or a community facility in ~~Precinct C~~ AREA15. (s) Note: Table 13 provides indicative traffic generation rates for various activities	

TRAN-R5	Operation, maintenance and minor upgrading of existing public roads, State Highways and associated road network activities
(1) Activity status: PER **Activity-specific conditions:** (a) Operation, maintenance and minor upgrading of existing public roads, State Highways and associated road network activities must comply with the following conditions: (i) The works occur within the road or unformed road; (ii) Works within the road must be:	**(2) Activity status where compliance not achieved: RDIS** **Discretion is restricted to:** (a) Adverse effects on amenity values, including construction effects such as vibration and noise; (b) Adverse operational effects, particularly on residential or other sensitive land uses, including effects of vibration, noise, glare and vehicle emissions;

(1) Incidental to, and serve a supportive function for, the existing public road; or (2) Required for the safety of road users; or a) Required for the safety of adjacent landowners or occupiers; (iii) Lighting shall be designed and located to comply with the Australia New Zealand Roading Lighting Standard 1158, (series) – Lighting for Roads and Public Spaces: 2005; and (iv) Any earthworks must comply with Rule GENI-R10	(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.

TRAN-R6	New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities
(1) Activity status: PER **Activity-specific conditions:** (a) 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: (i) The public road is located within road or unformed road; (ii) The public road is not located within an Identified Area; (iii) The design requirements of Table 14 15, based on their function within the Road Hierarchy as set out in Table 6, except: (1) Any National routes or Regional arterial roads would be subject to Rule TRAN-R6(2); (2) The specified minimum Road/right of way reserve widths in Table 14 15 do not include any additional width required for a turning head; (3) 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 or 15; and (4) The requirements of Table 14 or 15 shall not apply to taxiways within the Te Kowhai Airpark Zone. (iv) Within road or unformed road located within the Tamahere RLZ – Rural lifestyle zone, all roads must:	**(2) Activity status where compliance not achieved: RDIS** New public roads, including where the road has been identified on the planning maps as an Indicative road, and associated road network activities that: (a) Are not located within an Identified Area; and (b) Do not comply with one or more of the conditions of Rule TRAN-R6(1) **Discretion is restricted to:** (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.

(1) The minimum widths specified in Figure 8; and (2) Have swale drains on both sides of the carriageway capable of collecting all road runoff and overland flow towards the road or right of way from a 20% Annual Exceedance Period event; and (3) 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. (v) Within road or unformed road located within the RPZ – Rangitahi Peninsula zone, the relevant access and road requirements of the Rangitahi Structure Plan take priority over the conditions in Table 14 or 15 in the event of any conflict; (vi) Within road or unformed road located within the Te Kauwhata Structure Plan area: (1) All roads and vehicle accesses shall be constructed in accordance with Table 14 and Figures 9, 10 and 11; and (2) Stormwater collection must be through grassed swales prior to reaching reticulated systems. (vii) Any earthworks must comply with Rule GENI-R10 **Note:** Where the conditions of Table 14 or 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 TRAN-R6(1). The design of that specific aspect of the road is therefore subject to a separate certification process by the relevant road controlling authority.	

TRAN-R7	Access and New Roads – TKAZ – Te Kowhai airpark zone
(1) Activity status: PER **Activity-specific conditions:** (a) Airpark roads which are to be vested in Council must comply with the following conditions: (i) The design requirements of Table 14 15, based on their function within the Road Hierarchy as set out in Table 6, except:	**(2) Activity status where compliance not achieved: N/A** **Discretion is restricted to:** (a) The extent to which the Te Kowhai Airpark Framework Plan is not complied with; (b) The extent to which connectivity can safely and practically be achieved

(ii) The requirements of Table 14 or 15 shall not apply to taxiways within Te Kowhai airpark. (b) Road alignment and the taxiway network within the TKAZ – Te Kowhai airpark zone shall be in accordance with APP21 – Te Kowhai Airfield Precincts Zoning - Variation 1. (c) The western boundary of the TKAZ – Te Kowhai airpark zone shall provide for future connectivity options (vehicular and / or pedestrian) in accordance with the location identified in APP21 – Te Kowhai Airfield Precincts Zoning - Variation 1. (d) Any earthworks must comply with Rule GENI-R10	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.

TRAN-R8	Off-road pedestrian and cycle facilities
(1) Activity status: PER **Activity-specific conditions:** (a) Off-road pedestrian and cycling facilities that comply with all of the following conditions: (i) Have a minimum 2.0m width; (ii) Are formed; (iii) Comply with the relevant setback standards for the applicable zone; and (iv) Any earthworks must comply with Rule GENI-R10; and (v) Are not located within an Identified Area.	**(2) Activity status where compliance not achieved: RDIS** **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.

TRAN-R9	Stock underpasses located within the road and unformed road or GRUZ – General rural zone
(1) Activity status: PER **Activity-specific conditions:** (a) Stock underpasses in the GRUZ – General rural zone located in the road and unformed road that comply with all of the following conditions: (i) Any earthworks must comply with Rule GENI-R10; and (ii) Are not located within an Identified Area.	**(2) Activity status where compliance not achieved: DIS**

TRAN-R10	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

(1) Activity status: DIS

Activity-specific conditions:

(a) 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

Table 4 – Separation distances (Old reference Table 14.12.5.1)

[Drafting note: table too large to be added to PDF, to be addressed in Decision Version]

Figure 4 – Separation distances (Old reference: Figure 14.12.5.2)

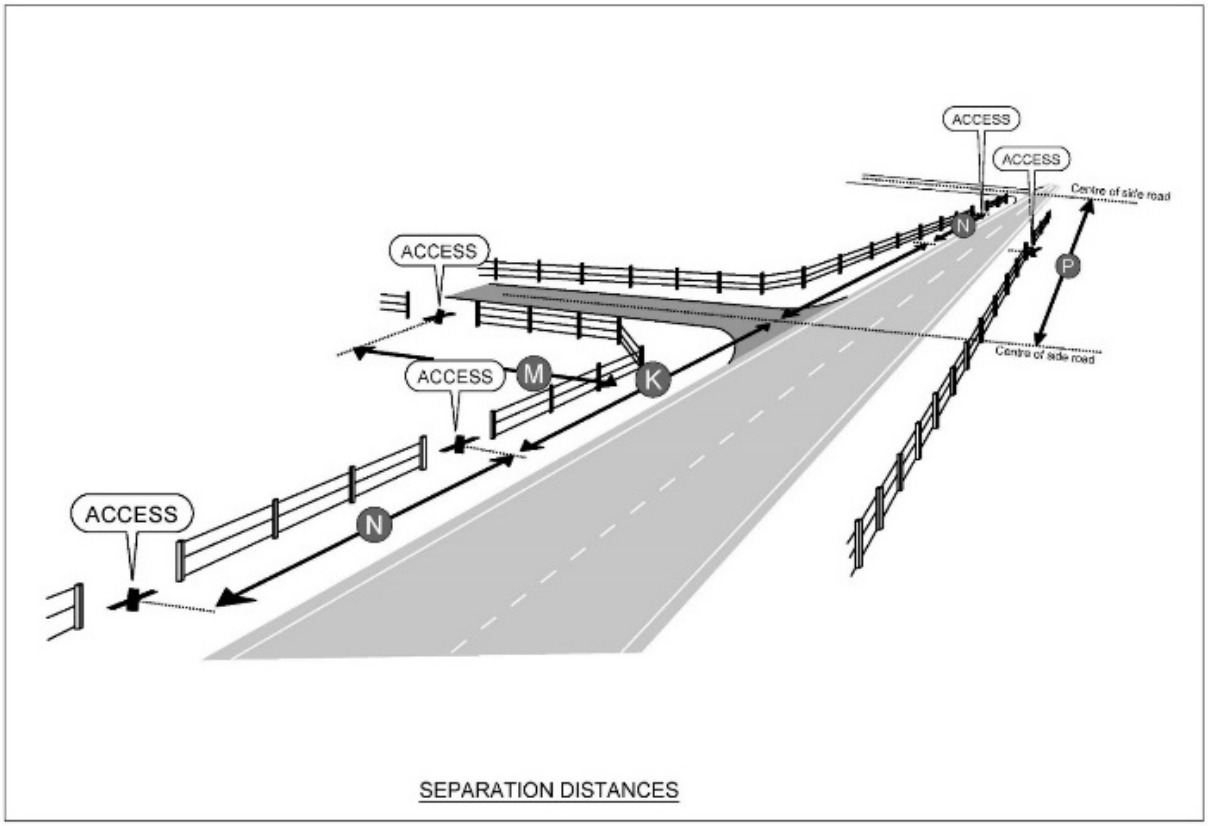


Table 5 – Minimum sight distances (Old reference: Table 14.12.5.3)

Speed Environment (km/h)	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	70m	60m
50	60m	90m	80m
60	80m	115m	105m
70	100m	140m	130m
80	130m	175m	165m
90	160m	210m	
100	200m	250m	
110	240m	290m	
120		330m	

Figure 5 – Minimum sight distances (Old reference: Figure 14.12.5.4)

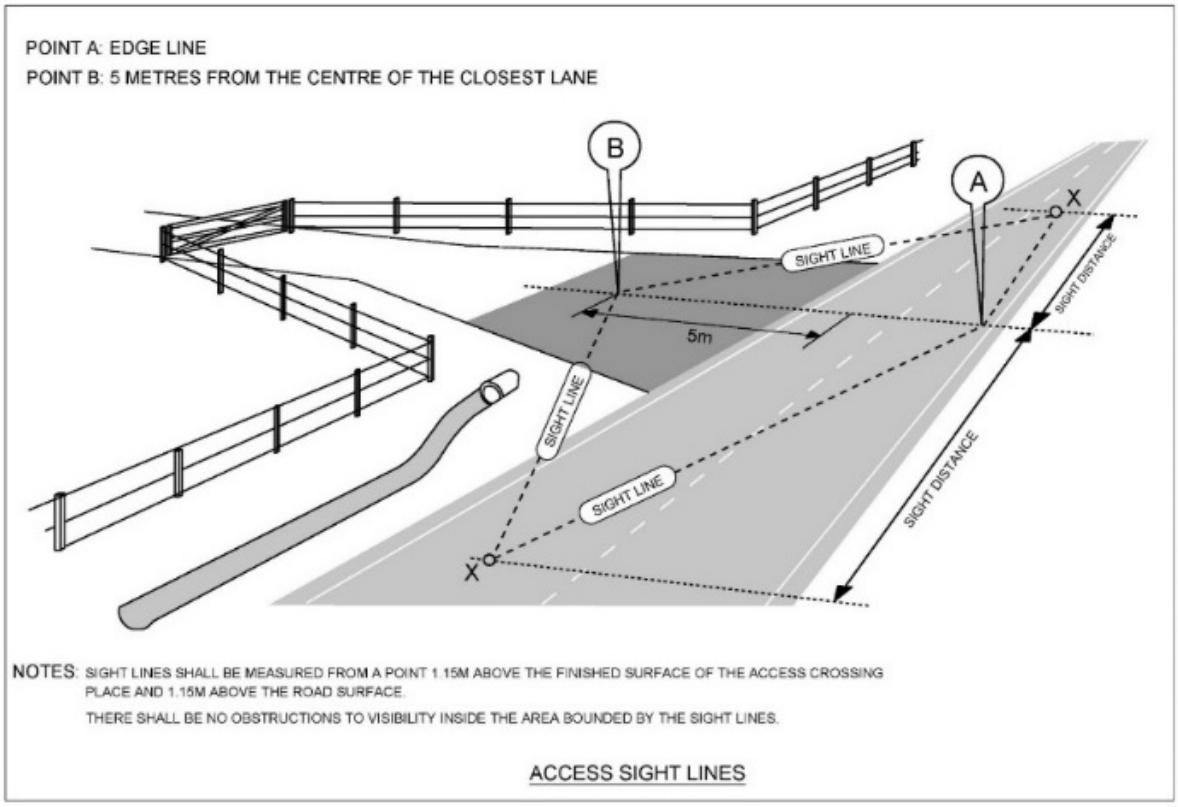


Table 6 – Functions of roads within the Road Hierarchy (old reference: Table 14.12.5.5)

Category	Function
National routes	Motorways, expressways and state highways that: (a) form a strategic network of national importance (b) provide for the collection and distribution of goods significant to the national economy (c) the through traffic function predominates.
Regional arterial roads: (a) state highways not included in National Routes category (b) roads giving access to important tourist areas or centres of large populations (c) roads linking different transport modes (d) roads providing significant intra-urban links.	State highways and roads that: (a) form a strategic network of regional importance (b) provide for the collection and distribution of goods significant to the regional economy (c) rural roads that typically provide for more than 6,000 vehicle movements per day (vmpd) (d) include rest areas (e) the through-traffic function predominates.
Arterial roads: (a) links between residential, commercial, industrial or recreational land use activities (b) provide alternative links between centres of population or are significant for the movement of	Roads that: (a) form a strategic network of district importance (b) provide for the collection and distribution of goods significant to the district's economy (c) rural roads that typically provide for less than 6,000 vehicle movements per day (vmpd)

goods or produce within the district.	(d) the through traffic function needs to be balanced against the property access function.
Collector roads: (a) provide links between local roads and arterials.	Roads that: (a) provide locally-preferred routes between or within areas of population or activities (b) provide alternative routes to arterials (c) are sealed and are of road geometry aligned with operational safety standards required for the traffic volumes on each section (d) 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 and 15.

Table 7 – Road Hierarchy list (Old reference Table 14.12.5.6)

National Routes		
Road Name	*Start*	*Finish*
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		
Road Name	*Start*	*Finish*
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

Regional Arterial		
Road Name	*Start*	*Finish*
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)
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	Valintine Road
Puketaha Road	Gordonton Road	Piako Road
River Road (Ngaruawahia)	Kay Road	Great South Road
River Road (Tuakau)	Whangarata Road	Tuakau Bridge
Ruakura Road	State Highway 26	District boundary

Arterial		
Road Name	*Start*	*Finish*
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
Waverley Road	Holland Road	Piako Road
Whatawhata Avenue	Ellery Street	Havelock Road
Whitikahu Road	State Highway 1B	Orini Road

Collector		
Road Name	*Start*	*Finish*
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
Platt Road	State Highway 26	Tauwhare Road

Collector		
Road Name	*Start*	*Finish*
Pokeno Road	Great South Road	Ridge Road
Rawiri Road	Mangatangi Road	State Highway 2
Rayner Road	Main Street	William Street
Rotowaro Road	Harris Street	Waingaro Road
State Highway 22	Tuakau Bridge	Hetherington Road
Tainui Bridge Road	State Highway 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 8 – Required parking spaces and loading bays (Old reference: Table 14.12.5.7)

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)
Child care facility	1 car space per every full time staff equivalent plus 1 car space per 5 children that the facility is designed to accommodate	Nil
Clubrooms at sports facilities	1 car space per 35m^2 GFA	1 HGV
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
Marae complex	1 car space per 15m^2 GFA	1 HGV
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 per 1000m2 of GFA of Rangitahi commercial activity is required

Minor dwelling	1 car space per dwelling	Nil
Dwelling	2 car spaces are required for dwellings with 2 or m ore bedrooms and one car space is required for studio or 1-bedroom residential units	Nil
Retirement village	1 car space per dwelling or unit	1 HGV
Multi-unit development	1 car space per dwelling or unit	Nil
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 100m² site area	1 HGV
Health facility, veterinary and personal services	3 car spaces per professional	Nil
Home occupations	In addition to residential requirements, 1car space per employee plus 1 where the activity attracts clients to the site	Nil
Hospitality services (e.g. cafés, taverns)	1 car space per 10m² net public floor area, except that in the Rangitahi Residential Zone 1 car pace per 15m² net public floor area is required	1 HGV, except that in the Rangitahi Residential Zon e 1 HGV per 1000m² GFA of Rangita hi commercial acti vity is required.
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	Nil
Industrial activity	1 car space per 100m² GFA	1 HGV
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 35m² GFA	Nil
Outdoor sports field	15 car spaces per hectare of sports field	Nil
Hospital or care facilities associated with retirement village	2 car spaces per 3 patients accommodated plus 1 per 2 full-time staff equivalents	1 HGV
Retail activity	1 car space per 30 m² 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. Secondary - 1 car space for every full-time staff equivalent plus 1 per10 students accommodated in Years 11 to 13	1 bus space per 200 students where school bus services are provided
Service stations	1 car space per 45m² 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 25m² GFA	2 HGV

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 coach park per 30 hotel or back packers' beds	1 HGV

Figure 6 – 90th Percentile car tracking curve minimum radius (Old reference: Figure 14.12.5.8)

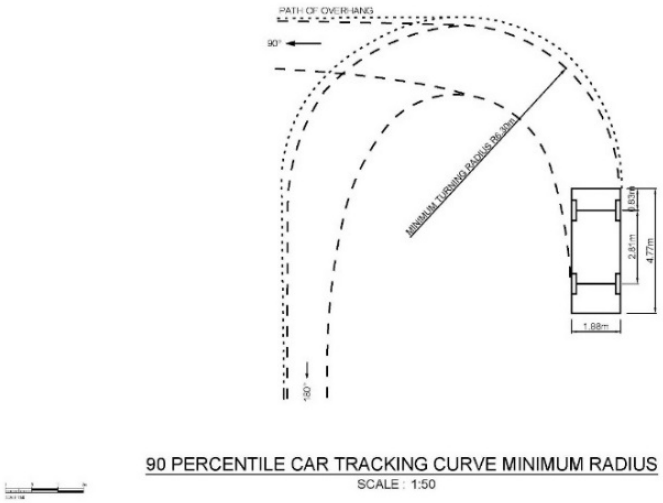


Table 9 – Required accessible parking spaces (Old reference: Table 14.12.5.9)

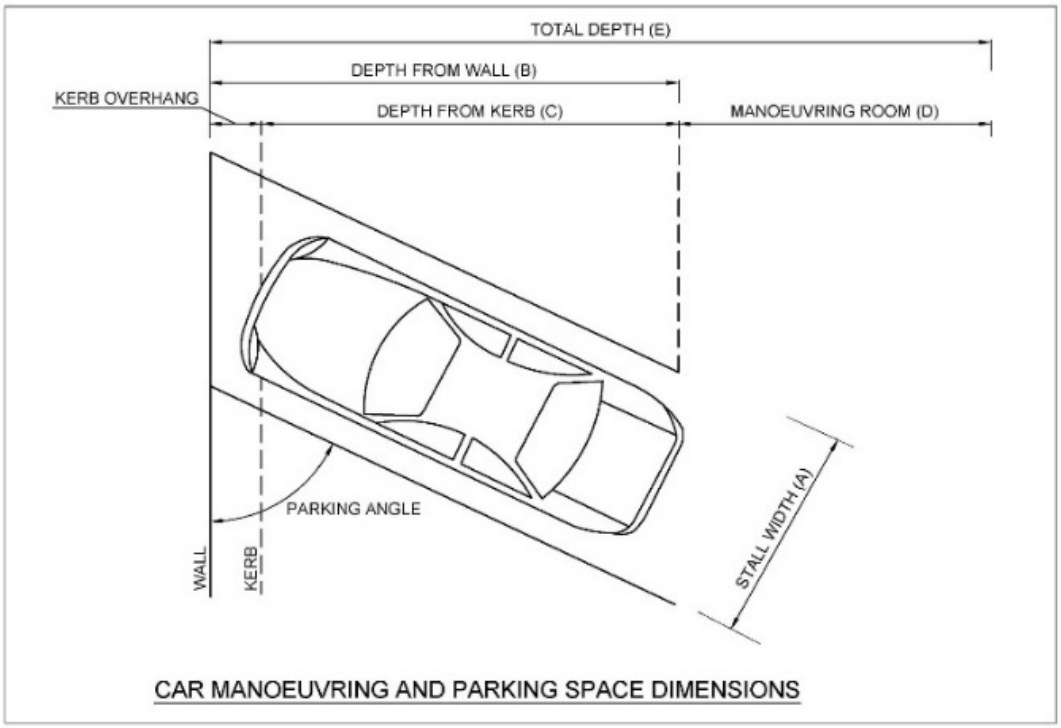
Total number of car park spaces being provided	Minimum number of accessible car park spaces
1-20	1
21-50	2
For every additional 50 car parks above 50 car park spaces	1 additional

Table 10 – Required bicycle spaces (Old reference Table 14.12.5.10)

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 11 – Car manoeuvring and parking space dimensions (Old reference: Table 14.12.5.11)

[Drafting note: table too large to be added to PDF, to be addressed in Decision Version]



CAR MANOEUVRING AND PARKING SPACE DIMENSIONS

Table 12 – Queuing space (Old reference: Table 14.12.5.12)

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

Table 13 – Traffic generation rates (Old reference: Table 14.12.5.13)

Activity	Indicative daily vehicle movements*
Bulk retail and car yards	45 per 100m^2 gross floor area (GFA)
Childcare and day care facility	4 per child the facility is designed to accommodate
Dairies, takeaway food, bottle stores	100 per 100m^2 GFA
Dwellings	10 per dwelling
Garden centres	150 per 100m^2 GFA
Health facility veterinary, and personal services	4 per professional the facility is designed to accommodate

Hospitality services (e.g. cafés, bars)	90 per 100m² GFA
Housing for the elderly/residential care	2 per resident the facility is designed to accommodate
Industrial activities	30 per 100m² GFA
Offices	25 per 100m² GFA
Hospital	15 per patient bed the facility is designed to accommodate
Retail activity	130 per 100m² GFA
School	2 per student the primary school is designed to accommodate, or 1 per student the secondary school is designed to accommodate
Service stations	700 per 100m² GFA
Supermarket activity	130 per 100m² GFA
Tertiary education facilities	2 per student the facility is designed to accommodate
Travellers' accommodation	3 per bed the facility is designed to accommodate

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

Table 14 – Access and road conditions (Residential, Village, Business, Business Town Centre and Industrial Zones) (Old reference: Table 14.12.5.14)

[Drafting note: table too large to be added to PDF, to be addressed in Decision Version]

Notes:

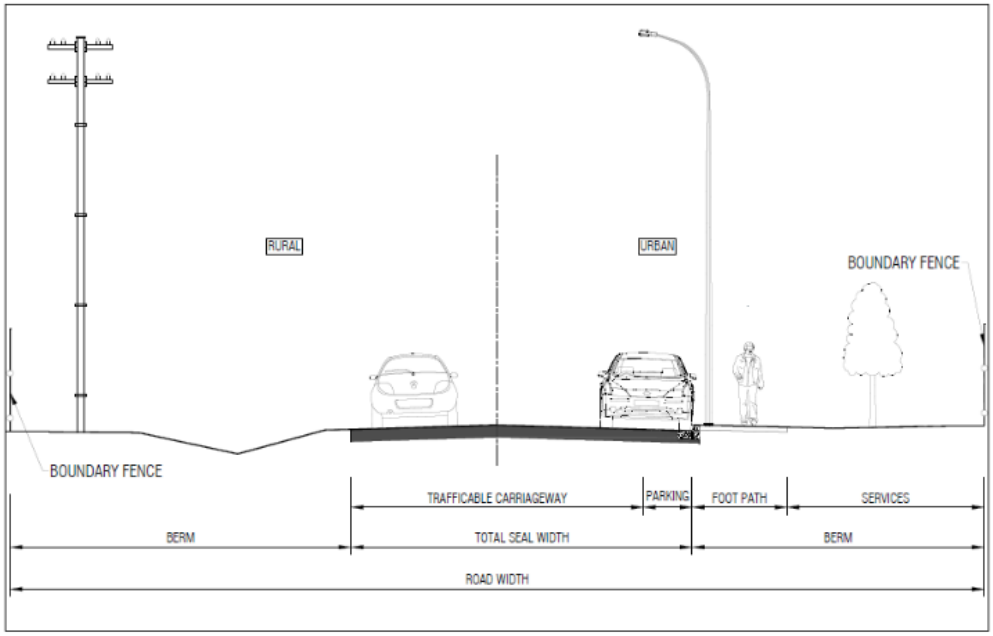
(1) The Regional Integrated Technical Specifications contains further details on road width/design requirements

Figure 7 illustrates the various parts of the road (seal width, berm etc.) defined in Tables 14 and 15

Table 15 – Access and road conditions (Rural and Country Living Zones) (Old reference: Table 14.12.5.15)

[Drafting note: table too large to be added to PDF, to be addressed in Decision Version]

Figure 7 – Attachment to Tables 13 and 14. (Old reference: Figure 14.12.5.16)



Note: The purpose of Figure 7 is to define the various aspects of the road as set out in Tables 14 and 15. Figure 7 is not intended to prescribe a preferred road layout.

Figure 8 – Tamahere Country Living Zone - Road cross sections (Old reference: Figure 14.12.5.17)

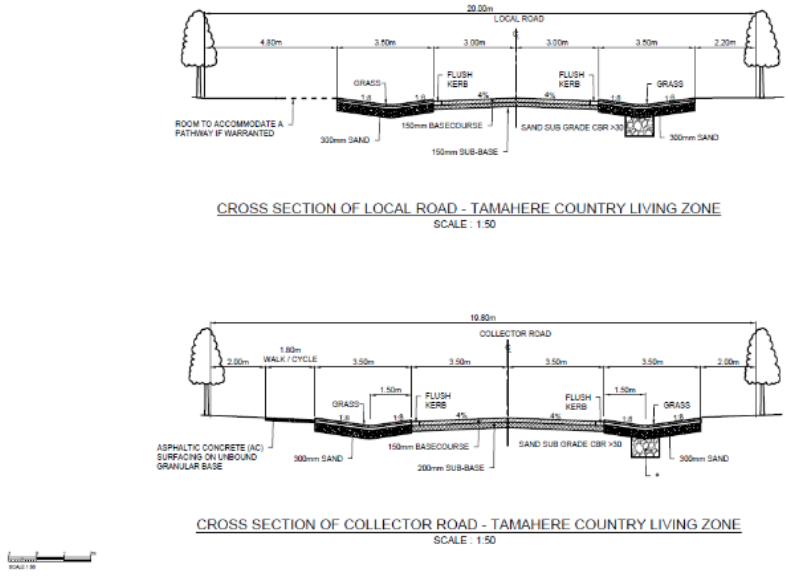


Figure 9 – Lorenzen Bay Structure Plan - Road cross sections (Old reference: Figure 14.12.5.18)

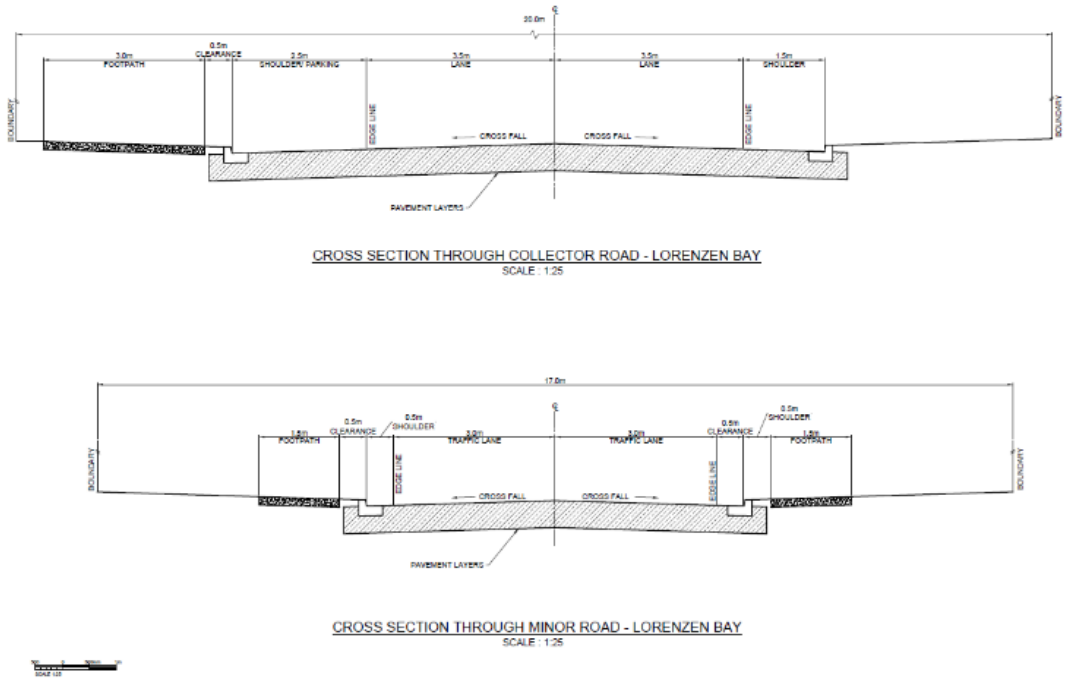


Figure 10 – Te Kauwhata Structure Plan – Road cross sections – Collector Roads (Old reference: Figure 14.12.5.19)

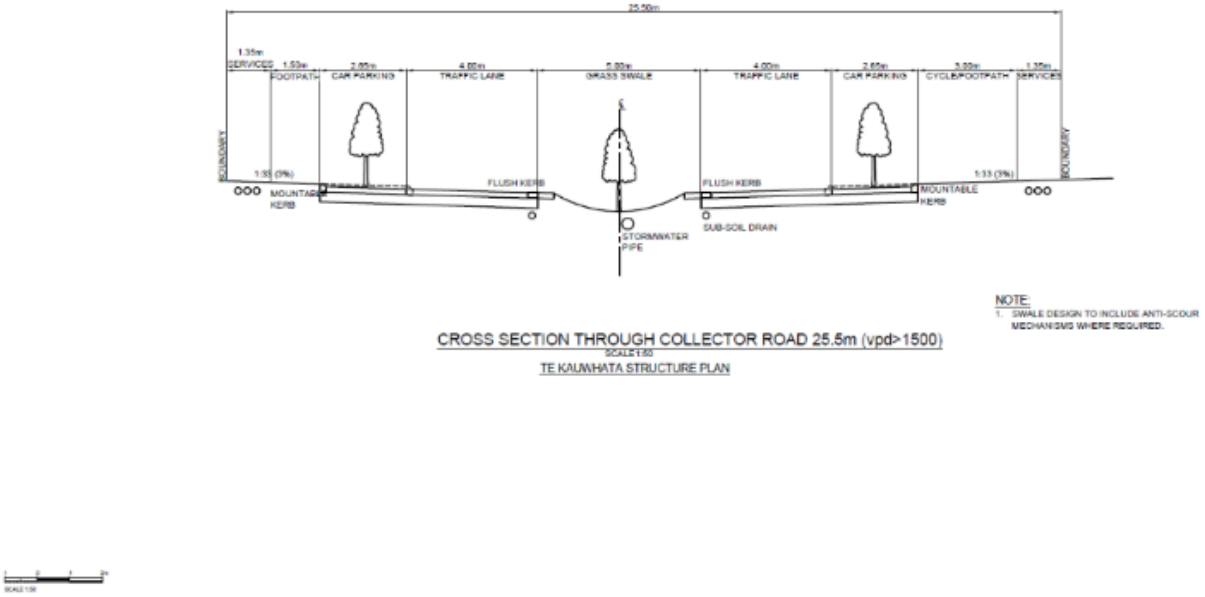


Figure 11 – Te Kauwhata Structure Plan – Road cross sections – Local Roads (Old reference: Figure 14.12.5.20)

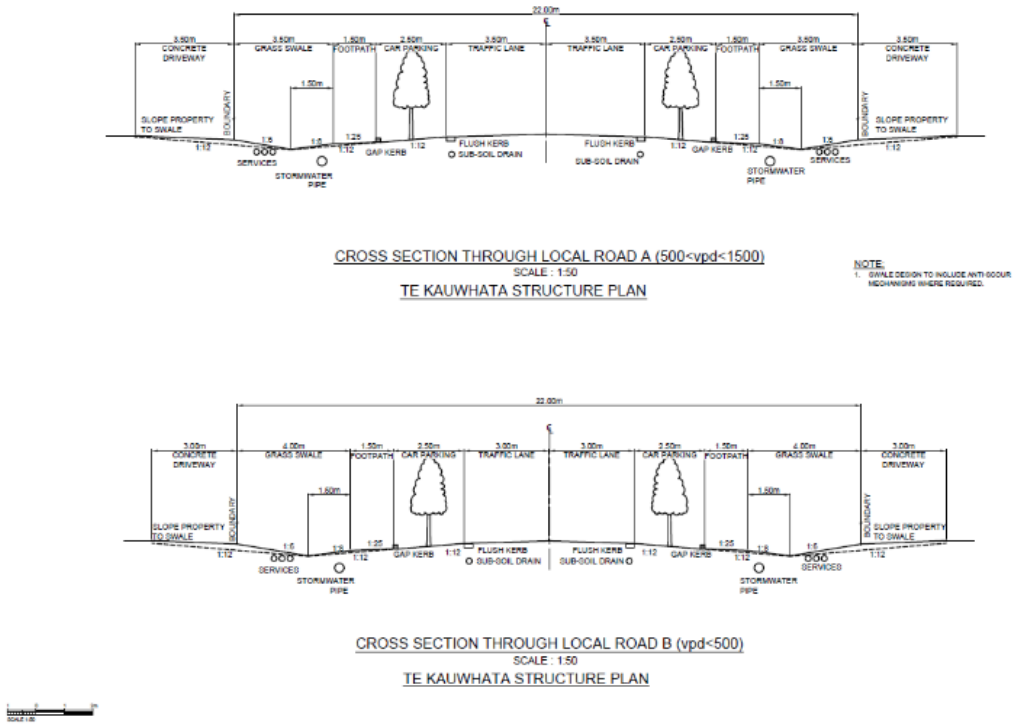


Figure 12 – Te Kauwhata Structure Plan – Road cross sections – Greenway Corridor and Whangamarino Margin Roads (Old reference: Figure 14.12.5.21)