AUOG COMBINED CHAPTER H1.1

(3 NOVEMBER 2015)

This version accepts all changes agreed between AUOG and Council. All mark ups represent where AUOG's hearing version differed from Council. For a full mark up, see version 6. (The basis for the earthworks provisions was the consolidated set filed with the legal submissions on behalf of Kiwi and National Trading, dated 21 May 2015.)

The mark ups are shown:

- **Underlined is new text resulting from consolidation; underlined/struck through is where AUOG had disagreed with Council at the hearing of that topic.**
- **Orange text represents provisions that have been moved from other sections of the PAUP. Orange is where AUOG had disagreed with Council at the hearing of that other topic.**

The document is structured:

- **Objectives and Policies relating to H1.1**
- **Activity tables:**
  - **1.1A - Network Utilities and Electricity Generation**
  - **1.1B - Trees and Vegetation Management - Zones & Overlays**
  - **1.1C - Earthworks - Zones**
  - **1.1D - Earthworks - Overlays except ONFs**
  - **1.1E - Earthworks - ONFs**
  - **1.1F - Historic Heritage, Historic Character and SPSMW**
  - **1.1G - Viewshafts and HSAs, Local Public Views, Sensitive Ridgelines**
  - **1.1H - ONLs, ONCs, HNCs**
  - **1.1I - ONFs**

  Note - these activity tables should all contain a note indicating that the rules relating to network utilities are in Chapter H1.1
- **Notification**
- **Permitted activity - Development ~~control~~standards**
  - **In roads (3.1)**
  - **In Zones - General (3.2)**
  - **In Zones - Specific (3.3)**
  - **All Overlays (3.4)**
- **Controlled activity - Development ~~controls~~ standards (3.5)**
- **Assessment - Controlled activities - All Zones & Overlays (4.0)**
- **Assessment - Restricted discretionary activities - Zones (5.0)**
- **Assessment - Restricted discretionary activities - Overlays (6.0)**
- **Assessment - Development ~~control~~ standard infringements (7.0)**

This version excludes all of the objectives, policies and rules relating to road network activities. This chapter excludes all CMA-related rules.

Comment [CH1]: Global change "control" to "standard" as per para 19 o CH G guidance

1 Infrastructure

1.1 Infrastructure

Background

Infrastructure is critical to the social, economic, and cultural well-being of people and communities and the quality of the environment. This section provides a framework for the development, operation, use, maintenance, repair, upgrading and removal of infrastructure.

As well as benefits infrastructure can have a range of adverse effects on the environment, visual amenity of an area, and public health and safety. The sensitivity of adjacent activities, particularly residential, to these effects can lead to complaints and ultimately constraints on the operation of infrastructure. Managing these reverse sensitivity effects is essential. Equally in some circumstances other activities and development need to be managed in a way that does not impede the operation of infrastructure.

Infrastructure is provided for on the basis of Auckland-wide provisions. Additional infrastructure provisions (zones, overlays and precincts), such as the National Grid Corridor overlay, Auckland Airport precinct and the Strategic Transport Corridor zone are also provided throughout the plan and should be referred to where applicable. Designations may also provide for infrastructure.

Objectives

All of the objectives below are [rp/dp]

1. The benefits of infrastructure are recognised.

1a. The value of investment in infrastructure is recognised.

2. The adverse effects of infrastructure are avoided, remedied or mitigated.

3. Safe, efficient and secure infrastructure is enabled, to service the needs of existing, authorised and planned use and development.

3a. Development, operation, use, maintenance, repair, upgrading and removal of infrastructure is enabled.

4. The resilience of Auckland's infrastructure is improved and continuity of service is enabled.

5. Auckland's infrastructure is appropriately protected from incompatible subdivision, use and development, and reverse sensitivity effects, recognising that some infrastructure requires a greater level of protection from these effects than others.

6. The national significance of the National Grid is recognised, and provided for, and its effective development, operation, use, maintenance, repair, upgrading and removal is enabled.

7. The use and development of renewable electricity generation is enabled.

Policies

Policies 1 – 5B and 7 – 9B are [rp/dp]

Benefits of infrastructure

1. Recognise the positive social, economic, cultural and environmental benefits that infrastructure provides, including:
   a. enabling enhancement of the quality of life and standard of living for people and communities
   b. providing for public health and safety

c. enabling the functioning of businesses
d. enabling economic growth
d1. enabling growth and development
e. protecting and enhancing the environment
f. enabling the transportation of freight, goods, people
g. enabling interaction and communication

Adverse effects on infrastructure

2. Avoid where practicable, or otherwise remedy or mitigate adverse effects on infrastructure from subdivision, use and development, including reverse sensitivity effects, which may compromise the operation and capacity of existing or authorised infrastructure.

Provision of infrastructure

3. Provide for the development, operation, use, maintenance, repair, upgrade and removal of a range of infrastructure throughout Auckland by recognising:
   a. Operational, functional and technical requirements
   b. location, route and design needs and constraints
   c. the complexity and interconnectedness of infrastructure services
   d. the benefits of infrastructure to communities within Auckland and beyond
   e. the need to respond quickly to restore disrupted services to service disruptions
   f. its role in servicing existing, consented and planned development

4. Require the development, operation, use, maintenance, repair, upgrading and removal of infrastructure to avoid, remedy or mitigate adverse effects, including, on the:
   a. health, well-being and safety of people and communities within Auckland and beyond, including nuisance from noise, vibration, dust and odour emissions and light spill
   b. safe and efficient operation of other infrastructure and any constraints on future planned development
   c. visual amenity values of the streetscape and/or adjoining properties
   d. natural and physical environment from temporary and ongoing discharges
   e. values for which a site has been scheduled or incorporated in an overlay.

Comment [CH2]: To address policy gap for assessment criterial 5.3(f) as per Guidance

5. When assessing the effects of infrastructure, consider:
   a. the degree to which the environment has already been modified
   b. the nature, duration, timing and frequency of the adverse effects
   c. the impact on the network and levels of service if the work is not undertaken
   d. the need for the infrastructure in the context of the wider network
   e. the benefits provided by the infrastructure to the communities within Auckland and beyond.

5a. Where new infrastructure or major upgrades to infrastructure are proposed within natural heritage, historic heritage, historic character and Mana Whenua cultural heritage overlays, the following matters must be considered:
   a. the economic, cultural and social benefits derived from infrastructure and the adverse effects of not providing the infrastructure
   b. whether the infrastructure has a functional, technical or operational need to be located in or traverse the proposed location
   c. the need for utility connections across or through such areas to enable an effective and efficient network
   d. whether there are any reasonably practicable alternative locations, routes or designs, which would avoid, or reduce adverse effects on the values of those places~~.~~, while having regard to a-c
   e. the extent of existing adverse effects and potential cumulative adverse effects
   f. how the proposed infrastructure contributes to the strategic form or function, or enables the planned growth and intensification, of Auckland
   g. the type, scale and extent of adverse effects on the identified values of the area or feature, taking into account:

i. scheduled sites and places of significance and value to Mana Whenua
ii. significant public open space areas, including harbours
iii. hilltops and high points that are publicly accessible scenic lookouts
iv. high-use recreation areas
v. natural ecosystems and habitats
vi. the extent to which the proposed infrastructure or upgrade can avoid adverse effects on the values of the area, and where these adverse effects cannot practicably be avoided, then the extent to which adverse effects on the values of the area can be appropriately remedied or mitigated

h. whether adverse effects on the identified values of the area or feature must be avoided pursuant to any NPS, NES, or RPS

5b Within natural heritage, historic heritage, historic character and Mana Whenua cultural heritage overlays, enable:

a. the use and operation of existing infrastructure; and
b. the minor upgrading, maintenance and repair of existing infrastructure, while ensuring that the adverse effects on the values of the area are avoided and where those effects cannot practicably be avoided, minimise any such effects and ensure they are appropriately remedied or mitigated.

[dp]

6. Encourage new linear infrastructure to be located in roads, and where practicable within the road reserve adjacent to the carriageway, and other identified corridors.

Undergrounding of infrastructure in urban areas

7. Require new or major upgrades to electricity and telecommunications lines to be located underground in urban areas unless:

a. there are significant operational, functional, technical or economic reasons that require an aboveground network
b. the additional lines are part of minor upgrading to the network or are service connections

8. Enable the coordinated undergrounding of existing electricity and telecommunications lines in the road and other identified corridors, particularly where the opportunity exists when network improvements are undertaken.

New technologies

9. Provide flexibility for infrastructure operators to use new technological advances that:

a. improve access to, and efficient use of, services
b. allow for the re-use of redundant services and/or structures where appropriate
c. result in environmental benefits and enhancements
d. support a competitive economy.
e. utilise renewable sources

Renewable electricity generation

9a. Provide for renewable electricity generation activities to occur at different scales and from different sources, including small and community-scale renewable electricity generation activities.

National Grid

9b. In relation to the National Grid, in addition to the matters in the above policies, assess the effects having regard to the extent to which actual and potential effects have been avoided, remedied or mitigated by the route, site and method selected

1.1 Network utilities and energy

The rules in this section implement the relevant objectives and policies of chapter C and E in relation to infrastructure, as described in each Activity Table.

1. Activity tables

1. The following tables specify the activity status for activities relating to network utilities, roads and electricity generation facilities.
   a. Activity table 1.1A specifies the activity status for network utilities and electricity generation facilities in zones (including those located in formed and unformed roads).
   b. Activity table 1.1B and 1.1E specifies the activity status for network utilities and electricity generation facilities within the relevant Auckland-wide rules including overlays; Activity Tables 1.1F-I specify the activity status for network utilities and electricity generation facilities within the relevant Overlays.
   c. Activity table 1.2 specifies the activity status for transport related activities and services located in roads (excluding Strategic Transport Corridor).

   These rules do not apply to lighthouses, navigation aids and beacons, which are addressed in the relevant zone rules.

2. ~~These Auckland-wide Network Utilities and Energy rules sit alongside the zone rules and control the construction, installation, operation, use, maintenance, repair, upgrade and removal of network utilities (including roads) and electricity generation facilities, except for activities within the CMA, which are dealt with in the General Coastal Marine zone. However the other Auckland-wide precinct and overlay rules may also apply.~~

   These Auckland-wide Network Utilities and Energy rules apply instead of the zone and precinct rules and control the construction, installation, operation, use, maintenance, repair, upgrade and removal of network utilities and electricity generation facilities, except for activities within the CMA, which are dealt with in the General Coastal Marine zone. Rules in other Auckland-wide and overlay sections only apply where specifically referred to (hyperlinked) in this section.

Comment [CH3]: Change in accordance with Panel Guidance.

3. 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 the road, unformed road and Strategic Transport Corridor.

4. The requirements of the Resource Management (National Environmental Standards for Electricity Transmission Activities "NESETA") Regulations 2009 apply directly to the operation, maintenance, upgrading, relocation or removal of transmission line(s) that were operating or able to be operated on or prior to 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.

5. The Resource Management (National Environmental Standards for Telecommunication Facilities "NESTF") Regulations 2008 provide for:
   a. the planning and operation of a telecommunication facility such as a mobile phone transmitter, that generates radio frequency fields as a permitted activity provided it complies with the New Zealand Standard on Radiofrequency Fields Part 1: Maximum Exposure Levels 3 kHz to 300 GHz (NZS 2772.1: 1999)
   b. the installation of telecommunication equipment cabinets in the road reserve as a permitted activity, subject to specified limitations on their size and location
   c. noise from telecommunication equipment cabinets located in the road reserve as a permitted activity, subject to the specified noise limits

d. the installation or replacement of masts and antennas on existing structures in the road reserve as a permitted activity, subject to specified limitations on height and size.

6. Compliance with the NZECP 34:2001 is mandatory under the Electricity Act 1992. All activities regulated by the NZECP 34:2001, including any activities that are otherwise permitted by the Unitary Plan must comply with this regulation.

7. Connections to a network utility require approval of the relevant network utility operator and works within roads require approval of the relevant road controlling authority.

8. For Activity Tables 1.1A - 1.1I:
   a. 'road' has the same meanings as in s. 315 of the Local Government Act 1974, and also includes motorways as defined in section 2(1) of the Government Roading Powers Act 1989
   b. 'unformed road' means land that is vested or dedicated that has never been formed or maintained
   c. For the purposes of these rules a 'road' does not include any private road. For private roads, the underlying zone rules apply
   d. Unless otherwise provided for any upgrading of existing infrastructure that is not specifically provided as minor infrastructure upgrading, shall be subject to the relevant activity status for that activity specified any Activity Table
   e. The operation, use, maintenance and repair, of network utilities and electricity generation facilities in existence (as at 30 September 2013) or lawfully established or granted resource consent are a permitted activity

9. ...None of Activity Tables 1.1A - 1.1I apply within the CMA. Refer Coastal Zone rules.

Activity Table 1.1A - Network Utilities and Electricity Generation

Activity Table 1.1A gives effect to the objectives and policies of C1.1

Activity	**Roads and Unformed roads** **Strategic Trans. Corridor zone**		**Rural zones, Future Urban zone and Quarry zone**	**Marinas zone (land) and Minor Port zone (land)**	**Residential zones, Maori purpose the Retirement Village zones and School zone**	**Industrial zones and the General Business zones**	**Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone**	**Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone**
General								
The operation, use, maintenance and repair and maintenance of network utilities and electricity generation facilities in existence on 30 September 2013 or which have been lawfully established or granted resource consent[as at the date	P		P	P	P	P	P	P

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
of public notification of the Unitary Plan]								
Minor infrastructure upgrading of existing network utilities	P		P	P	P	P	P	P
Service connections	P		P	P	P	P	P	P
Minor utility structure	P		P	P	P	P	P	P
Electric vehicle charging stations	~~RD~~ P		P	P	P	P	P	P
Removal of network utilities and electricity generation facilities	P		P	P	P	P	P	P
Ancillary telecommunication equipment/devices and networks for supporting the operation of a network utility and/or electricity generation facility, including but not limited to smart meters, antennae and aerials(excludes microwave and satellite dish aerials)	P		P	P	P	P	P	P
Pipes and cables for the conveyance of water, wastewater, stormwater, electricity, gas and telecommunications that are attached to existing structures	P		P	P	P	P	P	P
Pipe and cable bridges for the conveyance of water, wastewater, stormwater, electricity, gas and telecommunications	P		P	P	P	P	P	P
Air quality and meteorological monitoring structures and devices	P		P	P	P	P	P	P
Temporary network utilities operating for less than 12 months	P		P	P	P	P	P	P
Temporary signage	P		P	P	P	P	P	P

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
during the construction of network utilities and electricity generation facilities, which is in place for no longer than 12 months								
Diesel or petrol electricity generators used for the emergency backup of any activities in this Activity Table	P		P	P	P	P	P	P
Network utilities and energy storage inside existing buildings used for network utilities.	P		P	P	P	P	P	P
Network utilities and energy storage within buildings where the network utilities or energy storage services that building.	P		P	P	P	P	P	P
Network utilities and electricity generation facilities not listed in in Activity Table 1.1	D		D	D	D	D	D	D
Electricity transmission and distribution								
Distribution substations	P		P	P	P	P	P	P
Substations within new Buildings *Centres and Mixed use zones	NA		P	P	C	P	C *RD#	RD#
Substations within existing buildings	NA		P	P	P	P	P	P
Substations within existing buildings that require an increase in building platform area or building height. *Centres and Mixed use zones	NA		P	P	C	P	C *RD	RD
Unenclosed Substations *Heavy Industry zone	NA		RD#	D	D	D *RD	D	D
Underground	P	~~P~~	P	P	P	P	P	P

Comment [CH4]: These have been added to selected RDAs in table H1.1A for the purposes of the notification rule

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
electricity lines								
Pole mounted transformer * within areas of the Road, Unformed Road and Strategic Transport Corridor this activity shall have the same status as the adjacent zone *2 Industrial zones *3 within the areas of the Roads and Unformed Roads and Strategic Transport Corridor zone, in rural and coastal towns; and serviced and un-serviced villages.	*		P	P	RD P*3	RDP*2	RD	RD
Overhead electricity lines up to and including 110kV * within areas of the Road, Unformed Road and Strategic Transport Corridor this activity shall have the same status as the adjacent zone; *2 Heavy Industry zone *3 ~~Public Open Space Zones and Cemetery zone where the site is adjoined by a rural zoning on all boundaries.~~ Within areas of the Road, Unformed Road, and Strategic Transport Corridor outside the RUB, or within the RUB when the proposed overhead line passes a Zone surrounded	*		P	P	D P*3	RD P*2	D	D P*3

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
predominantly by a Future Urban Zone.[1]								
Overhead electricity lines greater than 110kV * Heavy Industry zone	D		D	D	D	D P*	D	D
Liquid fuels and Gas transmission and distribution								
Underground gas distribution regulator stations	P	~~P~~	P	P	P	P	P	P
Aboveground gas distribution regulator stations	P	~~P~~	P	P	P	P	P	P
Aboveground gas and petroleum product transmission regulator, valve, or pump stations * Heavy Industrial zone	D	~~D~~	D	D	D	D RD*	D	D
Underground gas distribution pipelines at a gauge pressure not exceeding 2000 kilopascals, including any aerial crossings of streams using bridges or any other structures, and ancillary underground equipment and fittings	P		P	P	P	P	P	P
Underground gas and petroleum product transmission pipelines at a gauge pressure exceeding 2000 kilopascals including any aerial crossings of streams or other low lying areas using bridges or any other structures, and ancillary underground equipment and fittings	D		D	D	D	D	D	D
Telecommunications								
Antennas attached to a	C		NA					

[1] Proposed minor change to reflect Panel direction at Topics 059, 060, 062 and 063 Residential objectives and policies, activities, development controls and controls and assessment to resolve the issue of "pocket zoning" in areas that are predominantly within the Future Urban Zone.

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
replacement utility structure that are subject to and do not comply with Regulation 7 of the NESTF								
Antennas attached to retaining walls, tunnels, bridges and other structures (other than replacement utility structures under the NESTF) in the Road, Unformed Road and Strategic Transport Corridor	P		NA					
Antennas attached to a building and/or structure where the face of the antenna does not exceed 1.5m^2 or 1.2m in diameter for dish antennas (excludes private television antennas and satellite dishes) *Retirement Village zone	NA		P	P	RD P*	P	P	P
Mast and attached antennas * within Local Centres and Neighbourhood Centres *1 within Strategic Transport Corridor zone	RD# P*1	~~P~~	P	P	D	P	P RD*#	RD#
Antennas inside of new or existing buildings	P		P	P	P	P	P	P
Antennas that do not exceed the following dimensions: GPS Antennas: - 300mm high and 130mm in diameter -Small cell units/antennas that do not exceed a volumetric dimension of 0.25m^3 - Omnidirectional antennas: 650mm high and	P		P	P	P	P	P	P

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
60mm in diameter								
Externally mounted telecommunication satellite dishes attached to buildings not exceeding 0.8m in diameter and ancillary components	NA		P	P	P	P	P	P
Telecommunication cabinets and shelters *that meet the permitted standards in NESTF if within a road. ~~, except that this only applies to cabinets in a Strategic Transport Corridor which are part of a Rail Corridor~~	P*		P	P	P	P	P	P
Telecommunication cabinets in roads and Strategic Transport Corridor zone that do not meet the permitted standards in NESTF (excludes rail Corridors)	RD		NA					
Underground telecommunication lines and facilities	P		P	P	P	P	P	P
Overhead telecommunication lines * within areas of the Road, Unformed Road and Strategic Transport Corridor this activity shall have the same status as the adjacent zone *2 Heavy industrial zone *3 Within areas of the Road, Unformed Road, and Strategic Transport Corridor outside the RUB, or within the RUB when the proposed overhead line passes a Zone surrounded	*		P	P	D P*[3]	RD P*[2]	D	D P*[3]

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
predominantly by a Future Urban Zone.[2]								
Telecommunication kiosks	P		P	P	P	P	P	P
Telephone exchanges	P		P	P	P	P	P	P
Installation and operation of equipment inside existing telephone exchanges	P		P	P	P	P	P	P
Amateur Radio								
Amateur radio Configurations *Large Lot and Rural and Coastal Settlement zones.	NC		P	RD	RD P*	RD	RD	RD
Water, wastewater and stormwater structures								
Underground reservoirs	P		P	P	P	P	P	P
Above ground reservoirs	RD		P	P	RD	P	RD	RD
Underground pipelines and ancillary structures for the conveyance of water, wastewater and Stormwater (including above ground ancillary structures associated with underground pipelines)	P		P	P	P	P	P	P
Aboveground pipelines and attached ancillary structures for the conveyance of water, wastewater and stormwater	RD		RD	RD	RD	RD	RD	RD
Water, wastewater and stormwater pump stations	P		P	P	P	P	P	P
Water, wastewater and stormwater storage tanks	P		P	P	P	P	P	P

Comment [CH5]: Council to decide what if any RD should have a # in terms of notification clause, outside scope of AUOG interest

Comment [CH6]: Council to decide what if any RD should have a # in terms of notification clause, outside scope of AUOG interest

[2] Proposed minor change to reflect Panel direction at Topics 059, 060, 062 and 063 Residential objectives and policies, activities, development controls and controls and assessment to resolve the issue of "pocket zoning" in areas that are predominantly within the Future Urban Zone.

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
Water treatment plants	D		P	P	RD	P	RD	RD
Wastewater treatment plants	D		RD	D	D	RD	D	D
Stormwater detention/ retention Ponds/wetlands * Within the Green Infrastructure Corridor zone where the stormwater pond/wetland is to be vested in council, in accordance with a precinct plan or a network discharge consent. *[1] Within the Green Infrastructure Corridor zone where the stormwater pond/wetland is not vested in council or is not in accordance with a precinct plan or a network discharge consent.	C		C	C	C	C	C	C P* RD*[1]
Water, wastewater and stormwater outfalls and ancillary structures	P		P	P	P	P	P	P
Ventilation facilities, drop shafts and manholes	P		P	P	P	P	P	P
Stormwater treatment devices; erosion protection; culverts; measuring devices (flows structures)	P		P	P	P	P	P	P
Electricity generation and its storage								
Small-scale electricity Generation * Solar electricity generation which is ancillary to network utilities located in Roads and Unformed roads	NA P*		P	P	P	P	P	P

Activity	Roads and Unformed roads Strategic Trans. Corridor zone		Rural zones, Future Urban zone and Quarry zone	Marinas zone (land) and Minor Port zone (land)	Residential zones, Maori purpose the Retirement Village zones and School zone	Industrial zones and the General Business zones	Centres and Mixed Use zones, Airport, Major Recreation Facility zone, Healthcare Facility zone Business Park zone and Tertiary Education zone	Public open space zones, Green Infrastructure Corridor zone and the Cemetery zone
and Strategic Transport Corridor zone.								
Community-scale electricity generation *solar electricity generation	NA		P	P	RD# P*	P	RD# P*	RD# P*
Large scale wind farms	NA		RD#	D	NC	RD#	D	NC
Research and exploratory scale investigations for renewable electricity generation activities	D		P	NA	NA	NA	NA	P
Other electricity generating facilities	NC		D	D	NC	D	D	NC
Electricity storage facility that is not a minor utility structure	RD		P	P	RD#	P	RD#	RD#

1.1B - 1.1I Network Utilities and Electricity Generation - Trees, Vegetation Management, Earthworks and Overlays

1. For Activity Tables 1.1B - 1.1I:

   a. Service Connections, Minor Utility Structures, and Minor Infrastructure Upgrading are permitted unless otherwise provided for.

   b. Permitted activities may be subject to different performance standards depending upon the Overlay that applies.

   c. Unless otherwise stated, if an activity is not listed in an activity table, then it is permitted for the purposes of that table.

2. Other Auckland-wide and Overlay rules may apply to network utility operations.

Activity Table 1.1B - Trees and Vegetation Management - Zones and Overlays

Activity Table 1.1B gives effect to the objectives and policies of C4.1 (Trees in streets and public open space), E6.1 (Notable trees), E6.X (ONLs/ONCs), and C5.3 (Vegetation management)

Tree and Vegetation Management for Network Utilities only									
	City wide (Trees)		Overlay (Trees)	City wide (Veg Man	Overlay (Vegetation management)				
	Street trees (RP/DP)	Public open space (RP/DP)	Notable trees (RP/DP)	Rural, Coastal areas and Riparian margins (RP)	SEA (RP)	ONF (DP)	HNC (DP)	ONL (DP)	ONC (DP)
Biosecurity tree works	P	P	P	P	P	P	P	P	P
Dead wood removal	P	P	C	P	P	P	P	P	P
Emergency tree works	P	P	P	P	P	P	P	P	P
Pest Plant Removal *of any tree less than 4m in height and less than 400mm in girth	P	P*	NA	P	P	P	P	P	P
Tree trimming	P	P	P	NA	P	P	P	P	P
Tree trimming of branch diameters greater than 50mm of Notable Trees in accordance with the Electricity (Hazards from Trees) Regulations 2003 up to the growth limit zone.	NA	NA	C	NA	NA	NA	NA	NA	NA
Works within the protected root zone undertaken by trenchless methods at a depth greater than 1m below ground level and associated pilot holes, including for service connections for existing buildings	NA	NA	P	NA	NA	NA	NA	NA	NA
Works within the protected root zone	P	P	C/RD*	NA	NA	NA	NA	NA	NA
Tree alteration	NA	NA	RD	NA	NA	NA	NA	NA	NA
Tree removal	NA	NA	D	NA	NA	NA	NA	NA	NA
Tree alteration and removal on roads adjoining rural zones and on roads adjoining the Future Urban Zone	P	NA	NA	NA	NA	NA	NA	NA	NA
Tree alteration or removal of less than 4m in height and trees 400mm in girth	P	P	NA	NA	NA	NA	NA	NA	NA

Tree and Vegetation Management for Network Utilities only									
	City wide (Trees)		Overlay (Trees)	City wide (Veg Man	Overlay (Vegetation management)				
	Street trees (RP/DP)	Public open space (RP/DP)	Notable trees (RP/DP)	Rural, Coastal areas and Riparian margins (RP)	SEA (RP)	ONF (DP)	HNC (DP)	ONL (DP)	ONC (DP)
Tree alteration or removal of greater than 4m in height and trees 400mm in girth	RD	RD	NA	NA	NA	NA	NA	NA	NA
Tree alteration or tree removal not otherwise provided for in this table as a permitted, controlled or restricted discretionary activity	D	NA	NA	NA	NA	NA	NA	NA	NA
Vegetation alteration or removal for the operation, repair and maintenance or minor infrastructure upgrading of an existing network utility	NA	NA	NA	P	P	P	P	P	P
Vegetation alteration or removal for road network activities or new network utilities within the road or the formation width of the road other than for operation, maintenance and repair.	NA	NA	NA	P	P	P	P	P	P
Other vegetation alteration or removal for the development of new network utility infrastructure subject to a limit of 250m^2 per project in rural zones or 25m^2 in coastal areas or riparian margins for above ground works.	NA	NA	NA	P	NA	NA	NA	NA	NA
Tree trimming, tree alteration and works within the protected root zone, for service connections	P	P	NA	NA	NA	NA	NA	NA	NA
Vegetation alteration or removal for service connections	NA	NA	NA	P	P	P	P	P	P
Vegetation alteration or removal for upgrading of an existing network utility that is not minor upgrading	NA	NA	NA	P	P	P	P	P	P
Planting over network utilities with trees/vegetation with a mature height of more than 4m	P	P	NA	NA	NA	NA	NA	NA	NA

[** Drafting note: Refer to AUOG Legal Subs to Topic 023/025. Status still to be confirmed and dependant on P activity status for specific works within protected root zone in row above*]

Activity Table 1.1C - Network Utilities and Electricity Generation - Earthworks Zones

Activity Table 1.1C gives effect to the objectives and policies of C5.2 (Earthworks)

Earthworks - Zones [dp]							
Activity	**Residential Zones**	**Business Zones and City Centre Zones**	**Future Urban and Rural Zones (excluding Rural Conservation)**	**Green Infrastructure Zone and Public Open Space Zones**	**Rural Conservation and Public Open Space Conservation Zone**	**Quarry Zone**	**All other zones and roads**
Earthworks for maintenance, repair, renewal, minor infrastructure upgrading and ~~road network~~ service connections	P	P	P	P	P	P	P
Earthworks up to 2500m^2 other than for maintenance, repair, renewal, minor infrastructure upgrading ~~and road network activities~~	P	P	P	P	P	P	P
Earthworks greater than 2500m^2 other than for maintenance, repair, renewal, minor infrastructure upgrading ~~and road network activities~~	RD	RD	RD	RD	RD	RD	RD
General earthworks not otherwise listed in this table	Refer Activity Table 4.2.1.1.1						
Earthworks - Lava caves, fossils and sub-fossils [dp]							
Land disturbance for the maintenance, repair, renewal and minor upgrading of	P	P	P	P	P	P	P

Comment [CH7]: Council to decide what if any RD should have a # in terms of notification clause, in general likely to be more relevant to Watercare than AUOG

Earthworks - Zones [dp]							
Activity	**Residential Zones**	**Business Zones and City Centre Zones**	**Future Urban and Rural Zones (excluding Rural Conservation)**	**Green Infrastructure Zone and Public Open Space Zones**	**Rural Conservation and Public Open Space Conservation Zone**	**Quarry Zone**	**All other zones and roads**
infrastructure works that disturb known lava caves of any size and any known fossils or sub fossils							
Land disturbance that disturb known lava caves >1m diameter along any axis or known fossils or sub-fossils.	RD	RD	RD	RD	RD	RD	NA
Land disturbance for new network utilities that disturb any known lava caves >1m along any axis	NA	NA	NA	NA	NA	NA	P
Land disturbance for new network utilities that disturb any known fossils or sub-fossils	NA	NA	NA	NA	NA	NA	P
Earthworks - Zones [rp]							
Activity	**Residential Zones**	**Business Zones and City Centre Zones**	**Future Urban and Rural Zones (excluding Rural Conservation)**	**Green Infrastructure Zone and Public Open Space Zones**	**Rural Conservation and Public Open Space Conservation Zone**	**Quarry Zone**	**All other zones and roads**
Earthworks for maintenance, repair, renewal, minor infrastructure upgrading and ~~road network~~ service connections	P	P	P	P	P	P	P
Earthworks up to 2500m^2 other than for maintenance,	P	P	P	P	P	P	P

Earthworks - Zones [dp]							
Activity	**Residential Zones**	**Business Zones and City Centre Zones**	**Future Urban and Rural Zones (excluding Rural Conservation)**	**Green Infrastructure Zone and Public Open Space Zones**	**Rural Conservation and Public Open Space Conservation Zone**	**Quarry Zone**	**All other zones and roads**
repair, renewal, minor infrastructure upgrading ~~and road network activities~~							
Earthworks from 2500m^2 up to 1ha other than for maintenance, repair, renewal, minor infrastructure upgrading ~~and road network activities~~	C	C	C	C	C	C	C
Earthworks greater than 1ha other than for maintenance, repair, renewal, minor infrastructure upgrading ~~and road network activities~~.	RD	RD	RD	RD	RD	~~RD~~C	RD
General earthworks not otherwise listed in this table	Refer Activity Table 4.2.1.1.2						
Activities ancillary to erosion and sediment control	Refer Activity Table 4.2.1.1.2						

Comment [CH8]: Council to decide what if any RD should have a # in term of notification clause, outside scope of AUOG interest

Activity Table 1.1D - Network Utilities and Electricity Generation - Earthworks Overlays except ONF

Activity Table 1.1D gives effect to the objectives and policies of E6.X (ONLs/ONCs).

1. For Activity Table 1D

   a. Note ***** Land disturbance within a legal road or the formation width of an existing road is a permitted activity

   b. Note ****** Controlled activity where archaeological ~~controls~~ standards apply

	[rp]	[dp]	[rp]	[dp]	[dp]	[dp]	[dp]
Activity	SEA	ONC	WSMA	HNC and ONL	Historic Heritage	SSWM	SVMW
Network utilities and road networks							
Earthworks for maintenance, renewal and repair	P	P	P	P	P*****	P	P
Earthworks for new service connections	P	P	P	P	P*****	~~D~~RD	P
Earthworks for the installation of minor utility structures and minor infrastructure upgrading	P	RD*****	P	P	P*****	P	P
Other ~~E~~earthworks up to $10m^2$ and $5m^3$	P	P	P	P	P*****	~~D~~RD	RD *****
Earthworks from $10m^2$ to $2500m^2$ and from $5m^3$ to $2500m^3$	RD	RD	RD	RD	RD	~~D~~RD	RD
Earthworks greater than $2500m^2$ or $2500m^3$	D	RD	D	RD	D	D	RD
Earthworks associated with temporary activities and land disturbance not otherwise listed in this table	Refer Activity Table 4.2.1.1.2 Overlays (except ONFs)						

Activity Table 1.1E - Network Utilities and Electricity Generation - Overlays Earthworks ONF

Activity Table 1.1E gives effect to the objectives and policies of B4.3.2 E6.X (ONFs)

1. Activity Table 1E is a district plan rule.

Activity	A1	A	V1	V2	B	C	D	E	F1	F2
Network utilities and road networks										
Earthworks for maintenance and repair limited to the area and depth previously disturbed or modified for the same activity	P	P	P	P	P	P	P	P	P	P
Earthworks for network utilities ~~and road networks limited to the area and depth of earth previously disturbed or modified for the same activity~~ within the formation width of roads up to $10m^2$ or $5m^3$	P	P	~~RD~~ P	~~RD~~ P	~~RD~~ P	~~RD~~ P	~~RD~~ P	~~RD~~ P	~~RD~~ P	~~RD~~ P
Earthworks for service connections	P	P	P	P	~~RD~~ P-	~~RD~~ P	~~RD~~ P	~~RD~~ P	~~RD~~ P	~~RD~~ P
Other earthworks for network utilities and road networks within the legal or formation width of roads	P	P	RD	RD	RD	RD	RD	RD	RD	RD
Earthworks for network utilities and road networks not otherwise provided for	RD	RD	RD	RD	RD	RD	RD	RD	RD	RD
General land disturbance not otherwise listed in this table	Refer Activity Table 4.2.1.1.2 Overlays (ONFs)									

Activity Table 1.1F - Network Utilities and Electricity Generation - Historic Heritage, Historic Character and Sites and Places of Significance to Mana Whenua

Activity Table 1.1F gives effect to the objectives and policies of E2 (Historical Heritage), E3.1 and 3.2 (Historic Character), E5.1 (Sites and Places of Significance to Mana Whenua);

1. For Activity Table 1F (Historic Heritage Overlay)

   a. These rules take precedence over any general provisions for modifications to Scheduled Historic heritage places in Activity Tables 1-3 of the Historic Heritage overlay in Section J2.

   b. Note [1] Applies where the new element of the network utility is within the Scheduled Historic heritage extent of place or historic heritage area but is not affixed or attached to a primary feature of a historic heritage place (other than if it is a noted exclusion in Appendix 9.1) or a contributing property or feature in a historic heritage area.

   c. Note [2] Applies where the new element of the network utility is within the Scheduled Historic heritage extent of place or historic heritage area and is affixed to a primary feature of a historic heritage place (other than if it is a noted exclusion in Appendix 9.1) or a contributing property or feature in a historic heritage area.

Overlay Activity	**Activity Status**
Historic Heritage Overlay	
All network utilities and electricity generation facilities	
Minor utility structure outside roads	C[1], RD[2]
Minor utility structure and telecommunication cabinets within roads	P[1]*, RD[2]
~~Network utility~~ Service connections (and including internal building reticulation)	P[1]*, C[2]
Ancillary networks supporting electricity and other networks including but not limited to smart meters, antennas and aerials.	P[1]*, C[2]
New overhead electricity and telecommunication lines	D
Diesel or petrol electricity generators used for emergency backup of any network utilities	P[1]*, RD[2]
Network utilities and electricity generation facilities not otherwise provided for in this activity table or as a permitted activity in H1 Activity Table 1.1A.	RD
Electricity transmission and distribution	
Distribution substations ~~that meet the development controls in H3.1.2~~	RD
New ~~transmission~~ substations	D
Liquid fuels and gas transmission and distribution	
New gas distribution regulator stations	D
Telecommunications	

Overlay Activity	Activity Status
Antennas attached to buildings or existing structures (other than Minor Infrastructure Upgrading)	C[1],RD[2]
New Telecommunications masts and attached antennas	D
Water, wastewater and stormwater	
Aboveground and underground reservoirs	RD
New water and wastewater treatment plants	D
Stormwater detention/retention ponds	RD
Ventilation drop shafts	RD
Electricity generation	
New small- and community-scale electricity generation facilities	RD
Large scale wind farms and other electricity generating facilities	NC
Heritage Character Overlay [***Drafting note: these rules can be significantly reduced if Council confirms Ms Mein's position that the rule is only intended to control equipment on buildings.***]	
All Network utilities and electricity generation facilities not otherwise provided for in this activity table or as a permitted activity in H1 Activity Table 1.1A.	RD
Electricity transmission and distribution	
Substations	D
Unenclosed substations	NC
New overhead electricity lines	D
New overhead electricity lines of 110kV or greater	D
Telecommunications	
Antennas attached to a replacement utility structure that are subject to and comply with regulation 7 of the NESTF.	P
Antennas attached to a replacement utility structure that are subject to and do not comply with regulation 7 of the NESTF, that meet the controlled activity standards in [3.2] of H1	C
New overhead telecommunication lines	D
New Telecommunications masts and attached antennas where P or RD in H1 Activity Table 1.1A	RD
New Telecommunications masts and attached antennas not otherwise provided for as P or RD in H1 Activity Table 1.1A	D

Overlay Activity	Activity Status
Water, wastewater and stormwater	
Aboveground reservoirs	RD
New water and wastewater treatment plants	D
Stormwater detention/retention ponds	RD
Sites and Places of Significance to Mana Whenua	
All network utilities and electricity generation facilities	
Minor Infrastructure Upgrading	P
Upgrading of existing network utilities and electricity generation facilities where the upgrading is beyond the scope of minor infrastructure upgrading	RD
New network utilities and electricity generation facilities where the site is identified as a site exception in Appendix [4.1]	RD
New network utilities and electricity generation facilities	D

Activity Table 1.1G - Network Utilities and Electricity Generation - Volcanic Viewshafts and Height Sensitive Areas, Auckland War Memorial Viewshaft, Local Public Views, Sensitive Ridgelines

Activity Table 1.1G gives effect to the objectives and policies of E6.X (ONLs/ONCs), E4.1 (Auckland War Memorial Museum), 4.3 (Sensitive Ridgelines), and 4.6 (Local views)

Volcanic Viewshafts and Height Sensitive Areas, Auckland War Memorial Viewshaft, Local Public Views, Sensitive Ridgelines	
Structures that will not impact on any of the identified views other than Sensitive Ridgelines	P
Minor infrastructure upgrading	P
Minor Utility Structure within a Sensitive Ridgeline	P
Temporary construction and safety structures	P
Antennas and aerials with a cross-sectional dimension that does not exceed 300mm	P
Upgrading not otherwise provided for	RD
Structures for new activities that are not a permitted activity where the height does not exceed 8m	RD
Structures, other than service connections, not otherwise provided for in these overlays	D

Activity Table 1.1H - Network Utilities and Electricity Generation - Outstanding Natural Landscapes and Outstanding and High Natural Character

Activity Table 1.1H gives effect to the objectives and policies of B4.3.2 (Landscape and Natural Features), and E6.X (ONLs/ONCs).

1. Activity Table 1H

   a. Specifies the activity status of activities in the Outstanding Natural Landscapes and Outstanding Natural Character Area overlay above MHWS (for the rules applying to those overlays in the CMA, refer to the Coastal zone rules)

2. In respect of network utilities and electricity generation activities within this overlay, also refer to:

   a. Table 1.1C for Vegetation management

   b. Table 1.1D for Earthworks

Outstanding Natural Landscapes (ONL) and Outstanding and High Natural Character (ONC and HNC)			
Activity	High Natural Character	Outstanding Natural Landscape areas	Outstanding Natural Character
Buildings and Structures for network utilities and electricity generation facilities			
Underground network utilities	P	P	P
Buildings and structures no greater than the GFA in clause 3.1 below where there is no practicable alternative location outside a Natural Heritage overlay area	P	P	P
New network utilities within an existing building	P	P	P
Antennas and aerials with a cross-sectional dimension that does not exceed 300mm	P	P	P
Upgrading of existing network utilities and electricity generation facilities (where the upgrading is beyond the scope of minor)	RD	RD	RD
Smart Meter Infrastructure	P	P	P
Temporary construction and safety structures	P	P	P
Buildings and structures associated with all other infrastructure works	RD	RD	NC

Activity Table 1.1I - Network Utilities and Electricity Generation - Outstanding Natural Features

1. Activity Table 1.1I

   a. Implements the objectives and policies of [E6.XX]

   b. Specifies the activity status of activities in the Outstanding Natural Features overlay above MHWS (for the rules applying to those overlays in the CMA, refer to the Coastal zone rules)

2. For a description of the features and feature codes in Table 1.1I refer [main ONF overlay]

Outstanding Natural Landscapes (ONF)										
Activity	**A1**	**A**	**V1**	**V2**	**B**	**C**	**D**	**E**	**F1**	**F2**
Network Utilities and Electricity Generation Facilities										
Any activity that is a permitted activity in Chapter H4.2 (land disturbance) and C5.3 (vegetation management), or has a resource consent in respect of the rules in those chapters, and that is not otherwise controlled in this table	P	P	P	P	P	P	P	P	P	P
Service connections P*[1] below ground only P*[2] above ground only	P	P	RD P*[1]	RD P*[1]	RD P*[2]	RD P*[2]	RD P*[2]	RD P*[2]	RD P*[2]	RD P*[2]
Smart Meter Infrastructure	P	P	P	P	P	P	P	P	P	P
~~Any activity within the formation width of roads~~	~~P~~	~~P~~	~~RD~~	~~RD~~	~~RD~~	~~RD~~	~~RD~~	~~RD~~	~~RD~~	~~RD~~
Minor utility structures P* within the formation width of roads only	P	P	RD P*	RD P*	RD P*	RD P*	RD P*	RD P*	RD	RD
Minor infrastructure upgrading of existing network utilities P* within the formation width of roads only	P	P	RD P*	RD P*	RD P*	RD P*	RD P*	RD P*	RD	RD
Pipe and cable bridges for the conveyance of water, wastewater, stormwater, electricity, gas and telecommunications	P	P	RD	RD	RD	RD	RD	RD	RD	RD
Network utilities and electricity generation facilities in a new building or an addition to an existing building	P	RD	RD	RD	RD	RD	RD	RD	NC	NC
Upgrading of existing network utilities and electricity generation facilities (where the upgrading is beyond the scope of minor infrastructure upgrading) RD* within the formation width of roads only	P	RD	RD	RD	RD	RD	RD	RD	NC RD*	NC RD*
New network utilities and electricity generation facilities RD* within the formation width of roads only	P	RD	RD	RD	NC RD*	NC RD*	RD	NC RD*	NC RD*	NC RD*

2. Notification

1. Notwithstanding Chapter G (General Provisions), clause 2.4 (Notification), restricted discretionary activities in Activity Tables 1.1A - 1.1I shall not be publicly notified or served on affected parties except for:
   a. any restricted discretionary activity identified by a # in the activity tables or required by an Overlay rule, in which case the normal notification tests will apply
   ~~a.~~b. any restricted discretionary activity resulting from infringement of a permitted activity or controlled activity development standard
   c. large scale wind farms, which shall be publicly notified

Comment [CH9]: This section is consistent with Chapter G guidance para 24 that a separate notification section should be contained in each chapter. Use of # in table 1.1A addresses Panel's concern of blanket non-notification provisions for RD.

Comment [RMMB10]: The relief above is subject to AUOG being granted its relief in terms of the "bundling rule" - ie not bundling linear network utilities. While it is strictly a matter for Chapter G, we would appreciate the Council confirming its position on this point because we are likely to include the Chapter G relief int this document when it is provided to the Panel.

3. Development ~~controls~~standards

1. Any permitted and controlled activities that do not comply with a development ~~control~~ standard are a restricted discretionary activity, except:
   a. within a Significant Ecological Area, which shall be a discretionary activity
   b. where otherwise expressly provided

3.1 Activities within roads and unformed roads in Activity Table 1.1A

1. Temporary network utilities
   a. All temporary network utilities, buildings and structures must be removed from the site on completion of the works.
   b. The site must be reinstated in accordance with conditions specified in the National Code of Practice for Utility Operators' Access to Transport Corridors (2011).

2. Building area
   a. The maximum aboveground building area for structures, excluding electricity and telecommunication support structures is $2m^2$. This excludes:
      i. telecommunication cabinets permitted under NESTF
      ii. distribution substations and gas distribution regulator stations provided they do not exceed $6m^2$
      iii. distribution substations that specifically connect between networks operating at different voltages or phase angles, and are located outside of urban areas provided they do not exceed $10m^2$. Where these distribution substations are located within roads and unformed roads adjoining Future Urban zones, at the time that the Future Urban land is rezoned, this development ~~control~~ standard will cease to apply, and resource consent will be required or the distribution substation must be removed by the Network Utility Operator.

3. Height
   a. The maximum building height for structures, excluding electricity and telecommunication support structures, telecommunication devices, earth peaks, lightning rods, smart meters and GPS antennas is 1.8m.

   b. The maximum building height for support structures for electricity lines, telecommunication lines, telecommunication equipment/devices, including telecommunication equipment/devices is 25m. This measurement of height of the structure excludes any earth peaks, lightning rods, smart meters and GPS antennas.
   c. The maximum height for of 2.5m applies to:
      i. telecommunication kiosk
      ii. distribution substations that specifically connect between networks operating at different voltages or phase angles, and are located outside of urban areas

3.2 General Activities within Zones in Activity Table 1.1A

1. Temporary network utilities
   a. All temporary network utilities and electricity generation facilities, buildings and structures must be removed from the site on completion of the works

2. Building area
   a. The maximum aboveground building area for structures, excluding electricity and telecommunication support structures, in the Residential zone is 20m^2 and 30m^2 in all other zones. Excludes:
      i. structures in Industrial zones.
      ii. substations or telephone exchanges incorporated within a building complying with the rules for the relevant zone which are provided for as a separate activity.

3. Height
   a. The maximum height for structures, excluding electricity and telecommunication support structures, telecommunication devices, earth peaks, lightning rods, smart meters and GPS antennas, is 2.5m. Excludes:
      i. structures in Industrial zones, where the relevant height ~~controls~~ standards of the zone will apply
      ii. substations and telephone exchanges incorporated within a building complying with the rules for the relevant zone or otherwise approved
      iii. Telecommunication shelters in rural zones, where a maximum height of 3m applies
   b. The maximum building height for support structures for electricity lines and telecommunication lines is 25m.

4. Yards
   a. Electricity and telecommunication support structures must be set back at least 1m from any adjoining site that is zoned Residential, Retirement Village or Maori Purpose zone.

5. Electricity transmission and distribution (Electric and magnetic fields)
   (a) Network utilities that emit electric and magnetic field emissions must comply 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 recommendations from the World Health Organisation monograph Environmental Health Criteria (No 238, June 2007)
   (b) Any activity that does not comply with the above ~~control~~ standard is a non-complying activity.

6. Radio Frequency Fields (RF fields)
   (a) Network utilities should not result in radio-frequency fields produced by the network utility exceeding 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.
   (b) Any activity that does not comply with the above ~~control~~ standard is a non-complying activity.

3.3 Specific Activities within Zones in Activity Table 1.1A

The specific activities listed below are required to comply with the development ~~controls~~ standards in clauses 3.1 and 3.2. Where a development ~~control~~ standard in clause 3.3 for a specified activity varies from a development ~~control~~ standard contained in clause 3.1 or 3.2, clause 3.3 shall apply.

Minor infrastructure upgrading

1. Minor infrastructure upgrading of existing network utilities must comply with the following ~~controls~~ standards (where relevant):
   a. minor re-alignment, configuration, relocation or replacement of electricity, gas distribution, or telecommunication line, pipe, pole, conductors, cross arms, switches, transformers, cabinets or ancillary structures:
      i. that is within 2m of the existing alignment or location
      ii. that is within 5m of the existing alignment or location when associated with road widening reasons or road safety or electricity clearance reasons.
   b alterations and additions to overhead electricity and telecommunication lines on existing poles:
      (i) do not increase the number of conductors or wires/lines by more than 100 percent;
      (ii) or when installing a new low voltage circuit on an existing pole, the total number of new conductors or wires/lines must not exceed 8, consisting specifically of: 4 lines for electricity circuit, 1 hot water pilot line, 1 street light line, and 2 for telecommunication purposes. Where the hot water pilot and street light lines are not required, the maximum number of new conductors must not exceed 6.
      (iii) the provisions in (i) and (ii) above exclude service connections and lateral network connections
      (iv) include additional cross arms that do not exceed the length of the existing cross arm by more than 100 percent, up to a maximum of 4m
      (v) additional or replacement electricity and telecommunication lines that do not exceed 30mm in diameter
   c the addition or replacement of:
      i. earthwires, either overhead or underground, and underground earthgrids, which may contain telecommunication lines, and earthpeaks
      ii. or above-ground insulators on the poles
   d Any pole which replaces an existing pole provided that:
      i. it must not have a diameter or width that is more than the existing pole's diameter or width at its largest point plus 50 percent and in the case of double pole 100 percent, and
      ii. it must not have a height greater than 25m
   e. modification of an existing pole:
      i. only where the mechanical loading requirements make this necessary in order to undertake reconductoring or the reconfiguration of equipment, such as staywires, anchor blocks, on overhead electricity and telecommunication lines, or
      ii. when modifications to structures are required to meet mechanical loading requirements provided that the height and profile of any modified support structure~~s~~ remains the same as existed prior to the improvements.
   f. the installation of new mid-span electricity poles in existing networks to address clearances in NZECP 34:2001
   g. an increase in the power carrying or operating capacity, efficiency or security of electricity lines, gas distribution lines and telecommunications lines, where this uses the existing network utility and meets the requirements of clauses (c)-(f) above
   h. the alteration, replacement or relocation of water, wastewater or stormwater structures (excluding pipes):
      i. there must be no more than a 10 percent increase in the width, length and/or height of the structure
      ii. the structure must be located within the 2m of existing alignment or location
      iii. must not involve a new or relocated outfall structure that discharges to an area outside the influence of the current outfall structure.
   i the alterations or replacement of water, wastewater, stormwater, gas pipes provided that:
      i. above ground pipes must not exceed 300mm increase in diameter of the pipe;
      ii. underground pipes must not exceed a 50 percent increase in the diameter of the pipe

j. the replacement of any antennae with a new antenna provided that the new antenna does not exceed the maximum dimension of the antenna, or the diameter where it is a dish antenna, by more than 20%, and the overall height of the facility to which the antenna is attached either does not increase or that any height increase is as a result of the antenna size increase only.

~~1A Where the development controls above provide for a percent upgrade, it must be measured by reference to the size of the pipes, poles, structures, or number of conductors / lines or antennae existing as at 30 September 2013.~~

2 Any activity that does not comply with the relevant development ~~controls~~ standards for minor infrastructure upgrading above shall have the relevant activity status for that activity specified in either Activity table 1.1 or Activity tables 1.1B or 1.1I where relevant.

Substations

3 Noise from substations ~~in zones must not exceed the noise limits for the zone in which they are located when measured in accordance with the assessment methods for the relevant zone (as provided for in Chapter H6.2.1 Noise and Vibration)~~shall not exceed the following noise limits when measured within the boundary of a Residential zone site or within the notional boundary of a Rural zone site:

a. 55 dB L_{Aeq} between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
b. 45 dB L_{Aeq}/75 dB L_{Amax} for all other times.
c. Noise from substations in other zones shall not exceed the noise limits for the zone in which they are located as provided in Rule H6.2.1 Noise and Vibration.

4 Noise from distribution substations in roads, unformed roads and Strategic Transport Corridor Zone must not exceed 40 dB LAeq at 6m from the distribution substation, provided that the distribution substation is located at least 3m from the facade of a dwelling located within a residential or rural zone.

5. In respect of 3 and 4 above noise levels must be measured in accordance with NZS6801:2008 “Acoustics – Measurement of environmental sound” and assessed in accordance with NZS6802:2008 “Acoustics – Environmental noise”.

Telecommunications antennas attached to buildings

6. Antennas attached to buildings must not exceed the height of the point of attachment to the building by more than the height specified in Table 1 below:

For the purposes of this rule, the following ancillary components are excluded from the height limitations: radio frequency units; GPS antennas; smart meters, lightning rods, shrouds and ancillary equipment such as amplifiers, controller boxes and tilt motors.

Table 1 - Zone group	**Permitted Height**
• Rural zones • Marinas zone (land) and Minor Port zone (land) • Future Urban zone • Quarry zone • Industrial zones • Centres and Mixed Use zones (excluding the Local Centre and Neighbourhood Centre zones) • General Business zone • Airport, Major Recreation, Healthcare Facility and the Business Park zones Tertiary Education zone	5m
• Local Centres and Neighbourhood Centres • Public Open Space zones • Cemetery zone	3.5m

Table 1 - Zone group	Permitted Height
• Retirement Village zone	

Maximum number of antennas

7. These rules apply to individual antennas or clusters of antennas, provided that collectively these do not exceed 600mm in diameter.

8. The maximum number of antennas specified in Rules 8 and 9 do not apply to:
   a. antennas mounted on the fascia of a building below the roofline.
   b. GPS antennas, smart meters, lightning rods, shrouds and ancillary equipment such as radio frequency units, amplifiers, controller boxes and tilt motors

9. The maximum number of antennas in Local Centre and Neighbourhood Centre zones are in Table 2 below:

Table 2 - Roof area (plan view)	Maximum number of antennas per site
300m2 or less	6
Greater than 300m^2 and less than 1,000m^2	8
1,000m^2 or more	12

10. For all other zones the maximum number of antennas is 12 per site.

11. For the Historic Heritage and Historic Character overlays, antennas and associated ancillary electrical devices must be attached to the building so they do not protrude above the roof line of the part of the building to which they are attached. Where attached to the front facade, the antenna and any ancillary electrical devices must be attached so they have a maximum horizontal projection of 450mm from the face of the building. Where attached to the front facade of the building, the antenna and associated ancillary electrical devices must be colour matched to the part of the building to which they are attached.

    The above ~~controls~~ standards do not apply where the antenna and any ancillary electrical devices are not visible when viewed at a height 1.8m above street level from any part of any road which is located within the Historic character or Historic heritage overlays.

Height of masts and attached antennas (excludes NESTF)

12. Masts and attached antennas identified as permitted activities in the activity status table must comply with the following height limits in Table 3, excluding provision for lightning rods and GPS antennas, telecommunication devices and earthpeaks.

Table 3 - Zone groups	Maximum height
- Rural zones - Industrial zones - Strategic Transport Corridor zone - Centres and Mixed Use zones (excluding the Local Centre and Neighbourhood Centre zones) - Airport zone - Major Recreation Facility zone - Healthcare ~~f~~Facility zone - Business Park zone - General Business zone - Minor Port zone (land) - Future Urban zone - Marinas zone (land) - Quarry zone	25m

Electricity generation - wind generation scale and location

13. Meteorological masts for wind research and exploration must not exceed 90m in height.

14. Roof-mounted wind turbines for small-scale electricity generation must:
    a. not exceed the permitted height of the zone by more than 3m
    b. have a rotor diameter no more than 2.5m
    c. be limited to one per dwelling within the residential zones and the Retirement Village zone.

15. Freestanding wind turbines for small-scale electricity generation must comply with the following table:

Table 4 - Zone	Maximum height (m)	Maximum rotor diameter (m)
Residential zones, Retirement Village zone and the Maori Purpose zone	12	2.5
Rural zones, Future Urban zone, Quarry zone and Industrial zones	20	5
All other zones	15	3

16. In residential zones, Maori Purpose zone and the Retirement Village zone, freestanding wind turbines for small-scale electricity generation are limited to one per site.

17 The noise (rating) level from small scale electricity generation must not exceed the noise ~~controls~~ standards specified for activities in the zone in which the small scale electricity generation activity is located (including noise ~~controls~~ standards for any zone interface), following the subtraction of 10 decibels from every applicable A-weighted noise limit in the applicable rule. A penalty for the noise containing Special Audible Characteristics in accordance with NZS6802:2008 Acoustics – Environmental Noise must not be applied

18. Wind turbine towers, either freestanding tubular, lattice or tubular mast supported by guy wires, for community–scale electricity generation facility must not exceed 25m in height.

19. Small and community scale wind turbines on sites adjoining residential zones or the Retirement Village zone must meet the height in relation to boundary ~~control~~ standard for the relevant zone in which they are located.

20. There is no height limit for wind turbine towers associated with large-scale wind farms.

Electricity generation - solar panels

21 For small scale and community scale electricity, solar panels on the roof of a building must not exceed 250mm in height above the existing roof.

Setbacks

22. Wind turbine towers must be set back from the boundary of the site on which the wind turbine is located at a distance equivalent to the length of the turbine blades. The tips of the turbine blades must stay within the site at all times.

Shadow flicker

23. No dwellings on a neighbouring property must be exposed to more than 30 hours of shadow flicker per year based on realistic shadow flicker hours calculations from large-scale wind farms.

Pipe and cable bridges

24 Pipe and cable bridges must not exceed:
a. 25m in length
b. 1m in diameter or width

Underground pipelines for the conveyance of gas, water, wastewater and stormwater

25 Any aboveground section of underground pipelines for the conveyance of gas, water, wastewater and stormwater must not exceed:
a. 25m continuous length of pipe that is aboveground in any one section
b. 300mm in diameter

Pole mounted transformers

26. The maximum dimension for transformers is $2m^3$

Activities within the Green Infrastructure Corridor zone

27. Permitted activities must comply with the following ~~controls~~ standards:

a. Activities must not compromise the ability to:

(i) construct stormwater infrastructure in the locations specified in accordance with a precinct plan or a network discharge consent, if an alternative location has not been approved by the council.

(ii) carry out operational and maintenance activities, both for stormwater infrastructure and within the zone as a whole.

Stormwater management devices

c. Stormwater management devices must be designed, constructed, operated and maintained in a way that:

(i) maintains and enhances natural freshwater systems, including planting or riparian margins

(ii) integrates with the design of adjoining public open space

(iii) does not cause or exacerbate flooding hazards

Amateur Radio Configurations

28. Amateur Radio Configuration activities must comply with the following ~~controls~~ standards:
    a. The configuration must be owned and operated by a Licensed Amateur Radio Operator from their place of residence
    b. The activity must be carried out on a site containing not more than two dwellings.
    c. Aerials attached to buildings must comply with the following:
        (i) An aerial (excluding single wire aerials) attached to a building (excluding a mast) may not exceed the height of the point of attachment to a building by more than 5 metres but may exceed the permitted height limit of the zone.
        (ii) Any dimension (other than height) of an aerial attached to a building (excluding a mast) shall not exceed 5m (excluding the mountings and excluding single wire aerials).
        (iii) Notwithstanding (ii) above, one aerial attached to a building (excluding the mast) per site may have a dimension of up to 11 metres
        (iv) Numbers of aerials may not exceed 6, with the exception of two whip style aerials with a maximum length of 1.5m
    d. Antennas attached to buildings
        (i) One single antenna is permitted on a site with a dimension not exceeding 1.5m2 in area or 1.4m in diameter
        (ii) the antenna must not exceed the height of the point of attachment to the building by more than 3m
        (iii) Yards: an antenna must be subject to the yard ~~controls~~ standards for the zone in which it is located
    e. Pole aerials and supporting poles
        (i) A maximum of two supporting poles are permitted on a single site, provided that one is a primary pole and the other a secondary pole. The diameter of each of the supporting poles must not be greater than 700mm up to 10m and 400mm above this height. The pole may be a simple pole (with or without guys) or be of a lattice construction.
        (ii) A primary pole;
            - must not exceed 15 m in height including any attached pole aerials
            - must not have more than 3 pole aerials affixed to it
            - A pole aerial attached to a primary pole may be up to 11 m in length and all other dimensions must not exceed 5m, unless it is a single wire aerial, in which case the dimension by length is unlimited.
        (iii) A secondary pole must
            1) not exceed the permitted height limit of the zone
            2) not have more than one single wire aerial attached to it
            3) be joined by the single wire aerial to the primary pole

        For the purpose of this rule, a pole aerial means an aerial affixed to a pole that is affixed to the ground and not on a building or structure, and is for private use by a Licensed Amateur Radio Operator for the purpose of licensed amateur radio activities.

    f. Rotator

        One rotating unit ("rotator") with not more than three devices (either aerials or antennas) co-located on it is allowed per site and may be attached to either a building or pole aerial. The rotator must comply with the revolution limit contained within the definition of Moving Aerial and Antenna (i.e. 2RPM)

Electric Vehicle Charging Stations

29. Electric vehicle charging stations must be:
    (a) maximum height of 1.8m
    (b) maximum area of 1.5m^2

~~(c) for non-commercial use only in the Residential, Maori Purpose, Rural and Future Urban zones~~
(d) either have a socket connection, or a fitted cable management accessory.

3.4 Specific activities within Activity Tables 1.1B - 1.1I

1. The following additional permitted activity development ~~controls~~ standards apply to activities within Activity Tables 1.1B - 1.1I.

2. Activity Table 1.1B - Network Utilities and Electricity Generation - Trees and Vegetation Management

a. All works must be carried out in accordance with accepted modern aboricultural practise
b. ~~All tree works carried out by a Network Utility Operator must be for the purpose of development, use, maintenance, repair, and minor upgradeing and removal of existing infrastructure, but includes new infrastructure when located in the road reserve public open space.~~
c. ~~All tree works carried out by a Network Utility Operator must be for the purpose of development, use, maintenance, repair, and upgrade and removal of infrastructure in the road reserve.~~
d. Deadwood Removal for vegetation within Rural or Coastal areas, Riparian margins, SEA, ONF, HNC, ONLs or ONC: All Kauri deadwood removal (including sawdust and woodchips) must be retained on site or disposed of to landfill.
e. Tree trimming of Notable trees or trees within SEA, ONF, HNC, ONLs or ONC
   - The maximum branch diameter must not exceed 50mm.
   - No more than 10 per cent of live growth of the tree is removed in any one calendar year.
   - The trimming must retain the natural shape, form and branch habit of the tree.
f. Other Tree trimming of street trees and trees in public open space: except for tree trimming carried out in order to comply with the Electricity (Hazards from Trees) Regulations 2003 tree trimming must meet the following ~~controls~~ standards:
   - The maximum diameter of any branch removed must be no greater than 100mm.
   - No more than 20 per cent of live growth of the tree must be removed ~~in any one calendar year~~ which can be increased to 30% under the direct supervision of a suitably qualified arborist and if there is an agreed tree management plan in place for trimming between 20 - 30%.
   - Trimming is not required to be in accordance with accepted modern arboricultural practice where otherwise modified by the development ~~controls~~standards.
   - The natural shape, form and branch habit of the tree is retained for trees in public open space.
   - The natural shape, form and branch habit of the tree is retained for trees in streets where practicable.
- Any diseased tree material is to be treated in accordance with the Biosecurity Act 1993.

g. Works within the protected root zone undertaken by trenchless methods at a depth greater than 1m below ground level and associated pilot holes, including for service connections for existing buildings:
   - Excavation undertaken by hand digging or air spade or hydro vac or drilling machine within the protected root zone at a depth of 1m or greater.
   - The surface area of a single excavation shall be equal to or less than $1m^2$.
   - ~~Works involving root pruning~~ Roots being pruned shall be less than 35mm in diameter.
   - Works will disturb less than 10% of the protected root zone.
   - Any machines must operate on top of paved surfaces and/or ground protection measures and must be fitted with a straight blade bucket.
   - All works shall be undertaken under the direction of suitably qualified arborist.

h. Planting of street trees and trees in public open space over network utilities: For trees planted over or within 1 m of underground network utilities, there shall be root protection methodologies employed so as to protect the underground network utilities.
i. Vegetation alteration or removal for the operation, maintenance and repair or ~~minor~~ infrastructure upgrading of an existing network utility:
   - All works to be undertaken must meet accepted modern aboricultural practice except as otherwise specified; and
   - No more than $20m^2$ of vegetation is removed within an SEA per project ~~calendar year~~, or
   - No more than $50m^2$ of vegetation is removed within all other areas per project ~~calendar year~~,

or

- Be undertaken within the legal width or the formation width of existing roads, or
- undertaken within ~~3~~1m of the pole / transformer and within 1m of other network utilities, or for the clearance of existing access tracks provided that it does not include removal of mature trees over 6m in height, or 600mm in diameter, or
- Be undertaken in accordance with the Electricity (Hazards from Trees) Regulations 2003.

j. Vegetation alteration or removal for new network utilities and new network utilities within the road or the formation width of the road (other than for operation, maintenance and repair):

- Does not include removal of mature trees over 6m in height, or 600mm in diameter unless their removal is otherwise permitted by a rule in a plan.
- No more than 10m^2 of vegetation is removed within a SEA per project within the legal or formation width of the road. (For the purposes of this rule "Project" means a separately funded network utility project undertaken by one or more network utility operators contemporaneously.)
- Be undertaken within the legal width or the formation width of existing roads.
- Notwithstanding the above, vegetation clearance of up to 20m^2 per project provided that the excavation is undertaken using trenchless methods and are 800mm or more below ground level and any disturbed areas of vegetation are replanted.

k. Vegetation alteration or removal for service connections: Does not include removal of trees over 6m in height or 600m in girth

l. Works within the protected root zone (Roots under 60mm diameter)

- Excavation undertaken by hand digging or air spade or hydro vac or machine excavator within the protected root zone without direction and/or supervision of a suitably qualified arborist: the surface area of a single excavation shall be equal to or less than 1m x 1m; works involving root pruning shall be less than 35mm in diameter; works will disturb less than 10% of the protected root zone; and any machine excavator must operate on top of paved surfaces and/or ground protection measures and must be fitted with a straight blade bucket.
- Excavation undertaken by hand digging or air spade or hydro vac or machine excavator within the protected root zone with direction and/or supervision of a works arborist: works will disturb less than 20% of the protected root zone; works involve root pruning between 35mm and 60mm in diameter; and any machine excavator must operate on top of paved surfaces and/or ground protection measures and must be fitted with a straight blade bucket.
- Excavation undertaken by trenchless methods must be undertaken at a depth greater than 800mm below ground level, and does not require the direction or supervision of a suitably qualified arborist
- Replacement of existing structures kerbs, and hard surfaces, and does not require the direction or supervision of a suitably qualified arborist provided that: the removal of the surface is carried out without damage to any tree roots; and if working within the protected route zone of a tree the machine excavator must operate on top of paved surfaces and/or ground protection measures and must be fitted with a straight blade bucket

m. Works within the protected root zone (Roots greater than 60mm but less than 80mm)

- Excavation undertaken by hand digging or air spade or hydro vac or machine excavator within the protected root zone with direction and/or supervision of a suitably qualified works arborist: works will disturb less than 20% of the protected root; works involve root pruning between 60mm and 80mm in diameter; any machine excavator must operate on top of paved surfaces and/or ground protection measures and must be fitted with a straight blade bucket; and Manager Parks, Sports and Recreation must be notified prior to commencing work.

n. The above ~~controls~~ standards in (l) and (m) do not apply to any tree works undertaken inside existing infrastructure such a pipes and meter boxes.

2. Activity Table 1.1C - Network Utilities and Electricity Generation - Earthworks - Zones

General ~~controls~~standards

Regional

1. Land disturbance must not, after reasonable mixing, result in any of the following effects in receiving waters:

a. the production of conspicuous oil or grease films, scums or foams, or floatable or suspended materials

b. any conspicuous change in the colour or visual clarity

c. any emission of objectionable odour

d. the rendering of fresh water unsuitable for consumption by farm animals

e. any significant adverse effects on aquatic life.

~~2. To prevent the spread of contaminated soil and organic material with Kauri Dieback disease, vehicle and equipment hygiene procedures must be adopted when working within 3 times the radius of the canopy drip line of a New Zealand kauri tree. Soil and organic material from land disturbance within 3 times the radius of the canopy drip line must not be transported beyond that area unless being transported to landfill for disposal.~~

3. Best practice erosion and sediment control measures must be implemented for the duration of the land disturbance. Those measures must be installed prior to the commencement of land disturbance and maintained until the site is stabilised against erosion.

Note: Best practice in Auckland is generally deemed to be compliance with Auckland Council Technical Publication 90 Erosion and Sediment Control Guideline for Land Disturbing Activities in the Auckland Region or similar design.

4. Dewatering of trenches and other excavations must be done in accordance with best practice and must not result in a discharge of untreated sediment laden water to any stormwater reticulation system or water body.

5. Trenching must be progressively closed and stabilised such that no more than 120m of continuous trench is exposed to erosion at any one time.

6. Only cleanfill material may be imported and utilised as part of the land disturbance.

6a Rule 2.1.7 Accidental Discovery of Contamination in chapter H4.5 Contaminated Land applies if contaminants are encountered (such as discolouration, vapours, asbestos, separate phase hydrocarbons, landfill material or significant odour).

6b. The accidental discovery protocol outlined in clause 1.X of the General provisions must be implemented if, during land disturbance Mana Whenua or historic heritage are uncovered.

7. Earthworks (including filling) within a 100 year AEP flood plain (excluding road network activities):

a. must not raise ground levels more than 300mm, to a total fill volume up to 10m3; or ~~which must not be exceeded through multiple filling operations; and~~

b. the applicant must obtain certification from a suitably qualified person that confirms the earthworks will ~~must~~ not result in ~~any adverse changes in flood hazard beyond the site~~ displacement of flood waters onto adjoining properties, including upstream and downstream.

Note: This ~~control~~ standard does not limit excavation and replacement of fill to form building platforms, where those works do not raise ground levels.

8. Earthworks (including filling) within overland flow paths (excluding road network activities) must maintain the same entry and exit point at the boundaries of a site and not result in any adverse changes in flood hazards beyond the site, unless such a change is authorised by an existing resource consent.

9. Temporary land disturbance and stockpiling of soil and other materials within 1% AEP flood plain and/or overland flow path for up to a maximum of 28 days in any calendar year may occur as part of construction or maintenance activities.

District

10. Land disturbance within Riparian Yards and Coastal Protection Yards are limited to:

a. operation, maintenance and repair (including network utilities);

b. less than $5m^2$ or $5m^3$; for general earthworks;

c. less than $10m^2$ or $5m^3$ for the installation of new network utilities;

~~d. installation of fences and walking tracks;~~

~~e. burial of marine mammals.~~

11. Works must not result in any instability of land or structures at or beyond the boundary of the property where the land disturbance occurs.

12. The land disturbance must not cause malfunction or result in damage to utility services, or change the cover over utility services so as to create the potential for damage or malfunction.

13. Access to public footpaths, berms, private properties, public services/utilities, or public reserves must not be obstructed unless that is necessary to undertake the works or prevent harm to the public.

14. Measures must be implemented to ensure that any discharge of dust beyond the boundary of the site is avoided or limited such that it does not cause nuisance.

17. If during land disturbance, lava caves (>1m diameter along any axis), fossils or sub-fossils (outside the legal road) are discovered, works within 10~~20~~m of the discovery must cease and either the Lava Cave or Fossil Disturbance Accidental Discovery Protocol or an alternative Council Approved Protocol must be implemented. ~~the following accidental discovery protocol implemented:~~

~~a. the site owner or the site manager must immediately advise the council~~

~~b. the council will conduct a site inspection prior to modification, damage or destruction, and determine whether a thorough site investigation is required~~

~~c. plan and other documentation must be produced to provide a satisfactory record of the location, extent and any notable aspects of the feature~~

~~d. arterials of scientific or educational importance must be recorded and if necessary, recovered and preserved~~

~~e. if the site is assessed to be regionally significant reasonable measures must be taken to minimise adverse effects of the works on the scientific values of the site~~

~~f. in the case of a significant lava cave, reasonable measures shall be taken to maintain access to the cave once the works are completed~~

~~g. work within 20m of the discovery must not recommence until any necessary resource consent or other approval has been granted by the council.~~

~~18. Land disturbance around Transpower NZ Ltd electricity transmission line poles must:~~

~~a. be no deeper than 300mm within 2.2m of a transmission pole support structure or stay wire; and~~

~~b. be no deeper than 750mm within 2.2 to 5m of a transmission pole support structure or stay wire; except that:~~

~~c. vertical holes not exceeding 500mm diameter beyond 1.5m from the outer edge of a pole support structure or stay wire are exempt from clauses a and b above.~~

~~19. Land disturbance around Transpower NZ Ltd electricity transmission lines towers must:~~

~~a. be no deeper than 300mm within 6m of the outer visible edge of a transmission tower support structure; and~~

~~b. be no deeper than 3m between 6 to 12m from the outer visible edge of a transmission tower support structure.~~

~~20. Land disturbance within 12m of a Transpower NZ Ltd electricity transmission line pole or tower must not:~~

~~a. create an unstable batter that will affect a transmission support structure; or~~

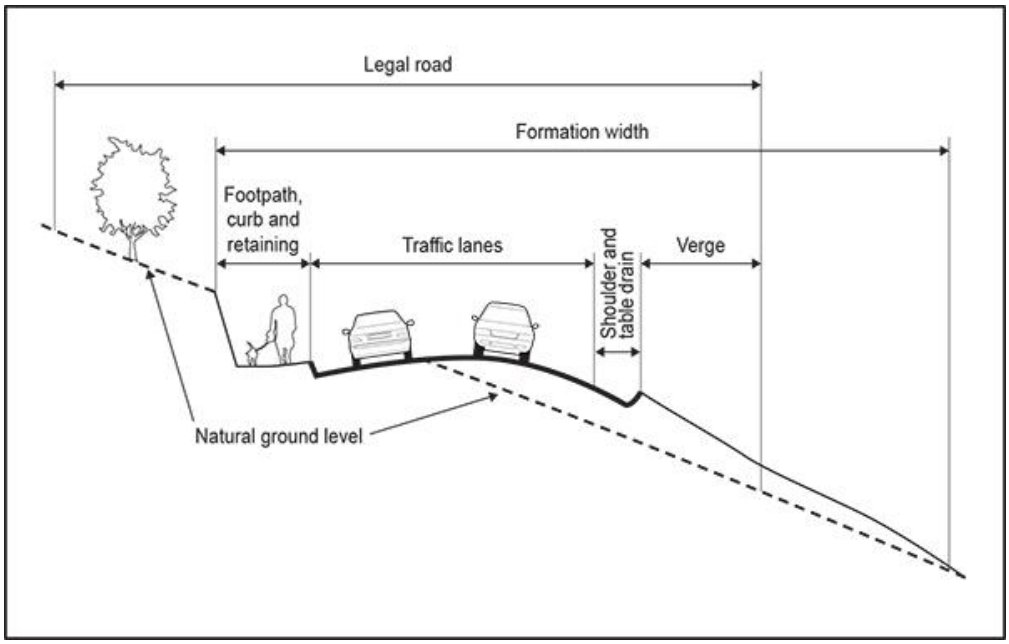
~~b. result in a reduction in the ground to conductor clearance distances as required by NZECP34:2001.~~

Specific ~~Controls~~Standards

Note: 1, 2 and 5 below are district and regional ~~controls~~rules. 3, 4, 6, 7 and 8 are district-only ~~controls~~rules.

1. Any earthworks associated with the operation, repair, renewal, upgrading and maintenance of existing roads, will be undertaken within the legal road or the formation width of existing roads if this extends beyond the legal road width.

Figure 1: Formation width of roads



2. Earthworks for the operation, repair and maintenance of underground utilities within overlays listed in Table H4.2.1.2 will be undertaken either:

a. within whichever is the lesser of either the legal road or the formation width of existing roads; or

b. for land outside the legal road or the formation width of the existing road, within land previously disturbed or modified ~~for the installation of the utility~~

~~3. In addition to the standards above, earthworks for the operation, repair and maintenance of existing roads and underground utilities in ONFs will be limited to the area and depth of earth previously disturbed or modified for the installation of the utility~~

4. Land disturbed for the operation, repair or maintenance of utilities outside the formation width of existing roads or abutments, or within an overland flow path, will be reinstated to the ground level prior to the works being undertaken as soon as practicable after completion of the works.

5. Land disturbed for the operation, repair or maintenance of utilities will be stabilised by revegetation or other suitable means as soon as practicable after completion of the works to avoid erosion and scouring.

~~6. Earthworks for maintenance, repair, renewal, minor infrastructure upgrading and road network activities on a site or place of significance to Mana Whenua or a site or place of value to Mana Whenua shall be limited to the area and depth of earth previously disturbed or modified.~~

~~7. Earthworks within Features E, F1 and F2 for public utilities and road networks not otherwise permitted and outside land within the area and depth of earth previously disturbed or modified for the existing activity shall not exceed a maximum of 2m^3.~~

3 Activity Table 1.1D - Network Utilities and Electricity Generation - Earthworks - Overlays except ONFs

a. Earthworks for the operation, repair and maintenance of underground utilities within overlays listed in Table 1.1D will be undertaken either:

- within whichever is the lesser of either the legal road or the formation width of existing roads; or
- for land outside the legal road or the formation width of the existing road, within land previously disturbed or modified ~~for the installation of the utility~~.

b. Earthworks associated with the operation, repair, renewal, upgrading or maintenance of existing roads within the historic heritage overlay must not include any of the following:

i. land disturbance associated with the renewal or upgrading of existing roads within 20 m of any building or structure within the scheduled historic heritage place

ii. land disturbance associated with the renewal or upgrading of existing roads within the protected root zone of any tree identified in Appendix 9.1 excluding features identified in the exclusions column of Appendix 9.1

~~xx. In addition to the standards above, earthworks for service connections in SEAs will be limited to the area and depth of earth previously disturbed or modified.~~

3. Activity Table 1.1E - Network Utilities and Electricity Generation - Earthworks - ONFs

Refer development ~~controls~~ standards 1.1C (17)

4. Activity Table 1.1F - Network Utilities and Electricity Generation - Historic Heritage, Historic Character and Sites and Places of Significance to Mana Whenua

Historic Heritage

a. The proposed works must not include any of the following:
   i. the trimming, alteration or removal of any tree identified in Appendix 9.1
   ii. the modification of any scheduled building, structure, fabric or feature within the Scheduled Historic heritage place, other than where specifically provided for in Activity Table H1.F (unless identified in the exclusions column in Appendix 9.1).
   iii the substantial or total demolition or destruction of any building, structure, or feature(s) within the Scheduled Historic heritage place.

b. Minor utility structures and telecommunication cabinets within roads shall not exceed a maximum height of 0.9m and a maximum area of 0.5m^2 where within 10m of a Scheduled Historic heritage extent of place or historic heritage area but is not affixed or attached to a primary feature of a historic heritage place (other than if it is a noted exclusion in Appendix 9.1) or a contributing property or feature in a historic heritage area.

c. For antennas attached to buildings within the Historic Heritage overlay, antennas and associated ancillary electrical devices must be attached to the building so they do not protrude above the roof line of the part of the building to which they are attached. Where attached to the front facade, the antenna and any ancillary electrical devices must be attached so they have a maximum horizontal projection of 450mm from the face of the building. Where attached to the front facade of the building, the antenna and associated ancillary electrical devices must be colour matched to the part of the building to which they are attached. However, this does not apply where the antenna and any ancillary electrical devices are not visible when viewed at a height 1.8m above street level from any part of any road which is located within the Historic Heritage overlay.

Historic Character [formally Special Character]

d. For the Special Character Historic Character overlays, antennas and associated ancillary electrical devices must be attached to the building so they do not protrude above the roof line of the part of the building to which they are attached. Where

attached to the front facade, the antenna and any ancillary electrical devices must be attached so they have a maximum horizontal projection of 450mm from the face of the building. Where attached to the front facade of the building, the antenna and associated ancillary electrical devices must be colour matched to the part of the building to which they are attached.

e. The above ~~control~~ standard (e) does not apply where the antenna and any ancillary electrical devices are not visible when viewed at a height 1.8m above street level from any part of any road which is located within the character overlay.

Sites and Places of Significance to Mana Whenua

f. Minor infrastructure upgrading must not increase the size or alter the existing location of the existing footprint within a site or place of significance and is otherwise in accordance with the development ~~controls~~ standards for minor infrastructure upgrading in H1.1 Network utilities.

5. Activity Table 1.1G - Network Utilities and Electricity Generation - Volcanic Viewshafts and Height Sensitive Areas, Auckland War Memorial Viewshaft, Local Public Views, Sensitive Ridgelines

Buildings and Structures

a. Compliance must be confirmed by a report from a registered surveyor that the building will not impact on the identified view from the identified view point or line because of the presence of the landform or an existing building that was in existence on 30 September 2013 or which has been legally established. The presence of existing vegetation, fences and other structures is not to be taken into account when confirming compliance and the report shall include identification of the landform or buildings used to confirm compliance. This ~~control~~ standard does not apply to sensitive ridgelines.

b. Rule X.X.1a above shall not apply to any network utility or electricity generating equipment mounted directly to the fascia or an existing building or structure and which does not extend above the roofline of the part of the building or structure to which it is attached.

Minor Upgrading

c. In respect of minor upgrading works:
- Maximum height no greater than 25m or 10 per cent in addition to the height of the existing structure, whichever is the lesser.
- Replacement pole diameters must be no more than 20% larger than that of the original pole; any new lines attached to the existing poles shall be no higher than the maximum height of the existing lines.
- Any new line attached to existing poles shall be no higher than the maximum height of the existing lines.

6. Activity Table 1.1H - Network Utilities and Electricity Generation - HNC, ONLs or ONC

a. The Gross Floor Area shall be more than: $50m^2$ in High Natural Character and Outstanding Natural Landscapes; and $25m^2$ in Outstanding Natural Character areas.

b. The maximum height does not exceed 5m.

c. The exterior finish of the building or structure has a reflectance value of, or less than, 30 per cent and within Groups A, B or C as defined within the BS5252 standard colour palette. This rule does not apply to aerials operated by a network utility operator and associated fixtures, galvanised steel poles, and GPS antennas.

d. In respect of minor upgrading works:

- Maximum height no greater than 25m or 10 per cent in addition to the height of the existing structure, whichever is the lesser.
- Replacement pole diameters must be no more than 20% larger than that of the original pole; any new lines attached to the existing poles shall be no higher than the maximum height of the existing lines.
- Any new line attached to existing poles shall be no higher than the maximum height of the existing lines.

3.5 Controlled activities

Antennas

1. Antennas attached to replacement utility structures that do not comply with Regulation 7 of the NESTF in roads, unformed roads and the Strategic Transport Corridor zone
   a. The total height of the structure may exceed the limit specified in Regulation 7(2) of NESTF, by an additional 0.5m.
   b The maximum diameter of any shroud is 600mm.
   c There is no limit on the size of antennas where contained within a shroud not exceeding the above limits.

Substations within new or existing buildings

2. Substations within new buildings and Substations within existing buildings that require an increase in building platform area or building height

   a. The substation building must comply with the development ~~controls~~ standards for the relevant zone.

   b. Noise from substations must not exceed the noise limits in rule H1.1 (Substation noise) ~~for the zone in which they are located when measured in accordance with the assessment methods for the relevant zone (as provided for in Chapter H6.2.1 Noise and Vibration)~~

Tree Trimming of Notable Trees of branch diameters greater than 50mm

3 Tree Trimming of Notable Trees of branch diameters greater than 50mm in accordance with the Electricity (Hazards from Trees) Regulations 2003 up to the Growth Limit Zone:

   a. All trimming shall be under the direct supervision of a suitably qualified arborist.

   b. The trimming must retain the natural shape, form and branch habit of the tree, where practicable.

4. Assessment - Controlled activities - Activity Tables H1.1A - H1.1I

4.1 Matters of control

The council will reserve its control to the matters below for the activities listed as controlled in the Activity Tables 1.1A - 1.1I:

1. Antennas attached to replacement utility structure that do not comply with Regulation 7 of the NESTF in roads, unformed roads and Strategic Transport Corridor
   a. Visual effects
   b. Use of shroud to encompass antennas

2. Stormwater detention/retention ponds
   a. Visual effects
   b. Size and location
   c. Access for maintenance
   d. Landscaping and fencing

3. Substations within new buildings and Substations within existing buildings that require an increase in building platform area or building height
   a. ~~External building appearance~~ Exterior materials, articulation and colour
   b. Landscaping and fencing

4. Works within protected root zone of notable trees [** Drafting note: Refer to AUOG Legal Subs to Topic 023/025. This will be deleted if activity status is RD.*]

5. Deadwood removal notable trees
   The extent of the alteration of the tree and the method to be employed

6. Tree trimming greater than 50mm in diameter in accordance with the Electricity (Hazards from Trees) Regulations
   ~~a~~The ~~required Growth Limit Zone clearances required by the Electricity (Hazards from Trees) Regulations 2003~~
   ~~b. the qualifications and experience of the Arborist undertaking the works~~
   c. The methods of disposing of branches and debris from trees of significance to Mana Whenua.
   d. The extent of the alteration of the tree and the method to be employed.

7. Network utilities within Historic Heritage and Historic Character overlays

   Measures to avoid, remedy or mitigate adverse effects on the scheduled Historic Heritage place or heritage character overlay, having regard to functional needs, technical requirements and operational constraints.

8. Earthworks from 2500m^2 up to 1ha (other than for maintenance, repair, renewal, minor infrastructure upgrading and road network activities), refer [Earthworks 5.2.3.1] for matters of control

9. Earthworks between 2,500m^2 and 1 ha in area in the Special Purpose – Quarry Zone.

4.2 Assessment criteria

The Council will consider the relevant assessment criteria below for controlled activities listed in Activity Table 1.1A - 1.1I (where relevant)

1. Visual effects
   a. adverse visual effects (including cumulative adverse effects) on the existing character of an area, should be avoided, remedied or mitigated.

2. Use of shroud to encompass antennas
   a. a shroud should be used to encompass antennas.

3. Size and location of stormwater detention/ retention ponds
   a. the size and location of the proposed stormwater detention or retention ponds should internalise or mitigate the adverse effects.

   b. stormwater detention or retention ponds, located in public open spaces, should minimise any potential interference with public use and enjoyment of the public open spaces.

4. Access for maintenance of stormwater detention/ retention ponds
   a. safe and direct access should be provided to enable maintenance.

5. Landscaping and fencing
   a. landscaping should screen infrastructure to mitigate visual impact on the surrounding natural and built environments.
   b. potential health and safety hazards should be adequately fenced.
   ~~c. For substations, landscaping and fencing should assist with the visual integration of the substation into the surrounding natural and built environments recognising the technical constraints of planting in the vicinity of substations and the functional requirements of fencing and gates.~~

~~6. External building appearance of substations~~

~~The location and external appearance of substation building/s should be coherent, break up the mass of the building/s and contribute positively to the visual quality of the area.~~

6. Substations

a. Exterior materials, articulation and colour

The extent to which exterior materials, articulation and colour contribute positively to the visual identity of the area and the appearance of the building

b. Landscaping and fencing:

The extent to which landscaping and fencing ~~assist with the visual integration~~ visually integrates the substation into the surrounding area while recognizing the technical constraints of planting in the vicinity of substations and the functional requirements of any fencing and gating

9. Historic Heritage Overlay

   a. The extent to which the location and depth of the land disturbance avoids, remedies or mitigates any adverse effects on the scheduled Historic Heritage Place, taking into account the functional need, technical requirements and operational constraints of the works.

10, Historic Character Overlay

The extent to which the design and location of works avoids, remedies or mitigates adverse effects on the heritage character overlay taking into account the functional need, technical requirement and operational constraints of the works.

10. Earthworks

Refer [Earthworks 5.2.3.X] for assessment criteria

11. Earthworks within the Special Purpose –Quarry Zone.

Refer [Earthworks 5.2.3.X] for assessment criteria

12 Works within the Protected Root Zone of Notable Trees [*Drafting note: refer above to Permitted Activity standards. This paragraph to be deleted if becomes P/RD*]

13 Deadwood Removal

a The extent of the alteration of the tree and the method to be employed
b. The tree will not be unduly damaged or its health endangered through the removal of deadwood through imposing conditions to control the method of deadwood removal, where appropriate:
   i. The removal of deadwood is carried out in accordance with accepted modern arboricultural practice
   ii. The timing of deadwood removal
   iii. The size of the wounds
   iv. The position of the wounds

13 Tree trimming greater than 50mm in diameter in accordance with the Electricity (Hazards from Trees) Regulations

a. Methods of disposal of Branches larger than 100mm of a tree scheduled for its cultural significance and whether it is in accordance with any agreed Mana Whenua protocols.
b. The extent to which trimming retains the natural shape, form and branch habit of the tree.

5. Assessment - Restricted discretionary activities - Activity Table H1.1A

5.1 General matters of discretion

The council will restrict its discretion to the matters below for the activities listed as restricted discretionary in Activity table H1.1A:

Comment [RMMB11]: Consistent with Panel Guidance, we have consolidated the matters for discretion. We can discuss this further at the meeting. "Technical" deleted as per the recent Definitions evidence.

(a) ~~technical,~~ operational and functional need of, and benefits derived from, infrastructure
~~(b) the benefits derived from infrastructure~~
(~~c~~b) visual effects, (which may include landscaping ~~including~~ design, scale, ~~and~~ height and separation from residential dwellings)
(~~d~~c) operation and function of road network activities, and amenity of the streetscape where located within a road (where relevant)
~~(e) the integrity of the infrastructure and network~~
(~~f~~d) health and safety effects
~~(g) landscaping~~
(~~h~~e) electrical interference (where relevant)
(~~i~~f) noise effects (where relevant)
~~(j) measures required to avoid, remedy or mitigate adverse effects~~
~~(k) function and amenity of the streetscape, where located in a road.~~
(~~l~~g) odour (where relevant)
~~(m) separation from existing residential dwellings (where relevant)~~
(~~n~~h) Shadow flicker (where relevant)
(~~o~~i) In Future Urban Zones - potential to constrain future planned development (where relevant)

5.2 Specific matters of discretion

The council will restrict its discretion to the matters below for the following specific activities listed as restricted discretionary in the Activity tables.

1. **Substations within new buildings and Substations within existing buildings that require an increase in building platform area or building height**
   a. External building appearance and design
   b. Landscaping and fencing

5.3 General assessment criteria

Comment [CH12]: Criteria consolidated as per above.

The council will consider the relevant general assessment criteria below for all the restricted discretionary activities listed in Activity table 1.1A.

(a) ~~technical~~, operational and functional needs of, and benefits derived from, infrastructure~~.~~

i. The extent to which the technical and operational requirements of the proposed infrastructure affects or necessitates its location, height and size

ii. Whether there is a functional need for the infrastructure to be in the particular location

iii. the extent to which the infrastructure or upgrade proposed will benefit and contribute to the social, economic, cultural and environmental wellbeing of businesses, people and communities.

Comment [CH13]: Consistency with Pol 1

iv. the extent to which the proposed infrastructure improves the resilience and security of the network or utility service provided.

~~(b) the benefits derived from the infrastructure~~

~~ii. the infrastructure or upgrade proposed should benefit and contribute to the economic, social and cultural wellbeing of businesses, people and communities.~~

(b) visual effects (which may include landscaping design, scale, height and separation from residential dwellings)

i. the extent to which the cumulative adverse visual effects of additional infrastructure on the existing character of an area, are avoided, remedied or mitigated.

ii. the effects of the design, scale and height of the proposed infrastructure and the extent to which it is practicable to internalize, modify or mitigate any adverse effects.

iii. any proposed landscaping where appropriate to mitigate visual impact on the surrounding natural and built environments.

(c) the operation and function of the road network, and amenity of the streetscape where located within a road

i. the extent to which ~~B~~buildings, structures or piplelines ~~should not~~ impede, restrict or compromise the safe and efficient movement and function of transport activities within a road.

ii. For Electric vehicle charging stations, the extent to which the parking function of the existing and future road network ~~, should not be~~ is compromised.

iii. the effects of infrastructure in a road on the visual amenity values of the streetscape and the function of public amenities.

~~(d) visual effects, including design, scale and height~~

~~the cumulative adverse visual effects of additional infrastructure on the existing character of an area, should be avoided, remedied or mitigated.~~

~~ii. the effects of the design, scale and height of the proposed infrastructure and the extent to which it is practicable to internalize, modify or mitigate any adverse effects.~~

(d~~e~~) health and safety

i. the extent to which the proposed infrastructure will provide for or adversely affect the health and safety of people and communities

Comment [CH14]: Pol 1 – providing for health and safety, Pol 4 protect health and safety

~~(f) potential to constrain future planned development~~

~~i. proposed infrastructure should not constrain future, planned development.~~

(g~~e~~) electrical interference:

i. ~~i.~~ the extent to which proposed infrastructure ~~should not~~ creates electrical interference.

~~(i) function and amenity of the streetscape, where located in a road~~

i. ~~infrastructure in a road should not detract from the visual amenity values of the streetscape or compromise the function of public amenities.~~

~~(j) landscaping~~

i. ~~landscaping should screen infrastructure to mitigate visual impact on the surrounding natural and built environments.~~

(~~f~~k) noise

i the extent to which noise emitted by proposed infrastructure ~~should not~~ adversely affects the amenity values of the surrounding land uses.

~~(l) the integrity of the infrastructure and network~~

~~i. the proposed infrastructure should improve the resilience and security of the network or utility service provided.~~

(g~~m~~) Odour

i. the extent to which any odour emissions from the proposed infrastructure ~~and should not~~ adversely affects the amenity values of surrounding land uses.

ii. Whether there is separation from existing dwellings.

(h~~n~~) shadow flicker:

i. the extent of any shadow flicker effects ~~should be minimised.~~

(i) In the Future Urban Zones - potential to constrain future planned development

i. the extent to which proposed infrastructure constrains future, planned development.

Comment [CH15]: No specific policy in this section that promotes this. Suggested edit to Pol 4 to address (e.g "flip" this criteria as per Mark St Clair advice)

(j) measures required to avoid, remedy or mitigate adverse effects where relevant to the above criteria

i. measures should be proposed to avoid, remedy or mitigate the adverse effects where relevant to the above criteria.

5.4 Specific Assessment criteria

The council will consider the assessment criteria below for specific restricted discretionary activities listed in Activity table 1.1A

1. Substations within new buildings and Substations within existing buildings that require an increase in building platform area or building height
   a. External building appearance and design

      The location, external appearance and design of substation building/s should be coherent, break up the mass of the building/s and contribute positively to the visual quality of the area.

   b. Landscaping and fencing

      For substations, landscaping should ensure visual integration of the substation building into the surrounding area and contribute to the site's surrounding area amenity while recognising the technical constraints of planting in the vicinity of substations and the functional requirements of fencing and gates.

6. Assessment - Restricted discretionary activities - Activity Tables H1.1B - H1.1I

6.1 General matters of discretion

The council will restrict its discretion to the matters below for the activities listed as restricted discretionary as follows:

- H1.1B - refer [cross reference hyperlink]
- H1.1C – H1.1E- refer [5.2.4.1]

- H1.1F - refer [cross reference hyperlink]
- H1.1G - refer [cross reference hyperlink]
- H1.1H - refer [cross reference hyperlink]
- H1.1I - refer [cross reference hyperlink]

6.2 General assessment criteria

The council will consider the relevant general assessment criteria below for all the restricted discretionary activities in the following Activity Tables.

- H1.1B - refer [cross reference hyperlink]
- H1.1C – H.1.1E - refer [5.2.4.2]
- H1.1F - refer [cross reference hyperlink]
- H1.1G - refer [cross reference hyperlink]
- H1.1H - refer [cross reference hyperlink]

H1.1I - refer [cross reference hyperlink]

7. Assessment - Development ~~control~~ standard infringements for activities in zones in Activity Table 1.1A

7.1 Matters of discretion

In addition to the general matters of discretion in 5.1 above, ~~in Rule 2.3 of Chapter G (general provisions),~~ the council will restrict its discretion to the matters below for the listed development ~~control~~ standard infringement.

Comment [CH16]: Updated to remove cross reference to Chapter G for matters of discretion

1. Temporary network utilities
   i. Visual effects
   ii. Measures required to avoid, remedy or mitigate adverse effects
   iii. Function and amenity of the streetscape (in roads only)
2. Building area
   i. Visual effects
   ii. Design and scale
   iii. Measures required to avoid, remedy or mitigate adverse effects
   iv. Function and amenity of the streetscape (in roads only)
3. Height
   i. Visual effects
   ii. Design and height
   iii. Measures required to avoid, remedy or mitigate adverse effects

7.2 Assessment criteria

In addition to the general ~~matters of discretion in Rule 2.3 of Chapter G (general provisions)~~ assessment criteria in 5.3 above, the council will consider the relevant criteria below for the listed development ~~control~~ standard infringement.

Comment [CH17]: As per above

1. Temporary network utilities
   i. Visual effects
      - the extent to which cumulative adverse visual effects of additional infrastructure on the existing character of an area ~~should be~~ are avoided, remedied or mitigated.
   ii. measures required to avoid, remedy or mitigate adverse effects
      - the extent of measures ~~should be~~ proposed to avoid, remedy or mitigate the adverse effects.
   iii. Function and amenity of the streetscape (roads only)
      - The extent to which new infrastructure in a road ~~should not~~ detracts from the visual amenity values of the streetscape or compromise the function of public amenities

2. Building area
   i. Refer to assessment criteria in 1 above.
   ii. Design and scale
      • The extent to which the design and scale of the proposed infrastructure will internalise or mitigate the adverse effects, as far as practicable

3. Height
   i. Refer to assessment criteria in 1 above.

   ii. Design and height
      • the extent to which design and height of the proposed infrastructure ~~should~~ internalises or mitigates the adverse effects

4. Specific activities in ~~3.1.3~~3.3 above
   a. The particular effects the infringement will have on the environment.
      i. the extent to which measures ~~should be~~ are proposed to avoid, remedy or mitigate the adverse effects the infringement may have on the environment.

Comment [CH18]: Cross reference did not make sense. Section 3.3 of this Chapter includes the development standards for specific activities within zones in Table 1.1A