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14. Network Utilities and Designations

14.1 Introduction

The successful functioning of the city and its many services depends on a complex network of utilities and designations including water and wastewater reticulation; electricity transmission, distribution networks; telecommunication networks (including privately owned aerials and antennas); gas networks; the wastewater treatment plant; landfills; defence; public hospitals; and schools. Some of these network utilities are implemented by way of resource consent, and others by way of designation.

Network Utilities

1. *Network utilities are provided for under the Act by way of Permitted activity or by resource consent. The part of this Section 14 comprising objectives, policies, rules and assessment criteria apply where network utility operators do not intend, or are unable, to operate under the designation*

procedures of the Act. Section 14 will also be used by Council to help assess any outline plans submitted for new network utilities or activities on designated sites, or where an area is designated but works are conducted which are not in accordance with the designation.

In managing the effects of network utilities, recognition should be given to the essential role that these networks play and the services they provide in the functioning of the city. It is also recognised however that the nature of some network utilities and works can detract from the amenity of an area and in some cases may impinge upon public health and safety. In some circumstances, the effects of network utilities are addressed by other instruments (for example, health and safety provisions, statutory requirements and industry standards and guidelines). Where environmental effects are not fully addressed by other instruments, the District Plan supplements these and establishes a resource management framework for balancing these competing demands and conflicting requirements.

Designations

Public works and some private projects or works are provided for under the Act by way of designation. Certain organisations are able to 'require' land for the purposes of a designation. This is referred to as a 'requirement'. The organisation making the requirement is referred to as a 'requiring authority'. Organisations that are 'requiring authorities' include Ministers of the Crown, local authorities and also private bodies who are network utility operators and who have obtained status as a requiring authority under Section 167 of the Act. Status as a requiring authority provides the power to require land, including private land, to be set aside for designated activities for which the requiring authority is financially responsible.

Following Council assessment of the requirement, the requirement is included in the Plan and becomes a designation. The effect of designating land is to authorise the use of that land for a particular work (e.g. school, police station, electricity substation). Once a designation is in place it takes precedence over the zoning of the land, but it can only be used for the purpose for which it has been designated, unless a resource consent is sought and obtained. Nor may other people, without the prior written consent of the requiring authority, do anything in relation to the designated land that would impede the designated activity. The zoning of the land that is covered by the designation is then called the underlying zoning, and this zoning applies for works that are not in accordance with the designation or where a designation is removed. Any reference to 'network utilities' in this Section therefore may also apply to designations.

The provisions of this Section 14 apply to network utilities and designations throughout all parts of the city. Roads, as public works, have been addressed in this section but are dealt with further, and in more detail, in the Transportation Section.

14.2 Network Utilities and Designations: Issues

The following resource management issues relating to network utilities and designations have been identified:

- 14.2.1 Network utilities provide a network of services that are essential to the maintenance and enhancement of the quality of life of the community. Failure to facilitate the provision of an adequate network of network utilities, including facilitating the development, operation and maintenance of those network utilities, has the potential to undermine this quality of life.**

Network utilities are fundamental to the operation of many activities throughout the city. Subject to the Act's requirement to avoid remedy or mitigate any adverse effects of network utilities, it is essential that these services be provided and maintained in an efficient and effective manner and to a standard that is adequate to support the many activities that rely on them. This standard can be adversely affected by conflicts if sensitive uses are allowed to develop near significant utility structures or if the network utility is inappropriately located.

- 14.2.2 The potential for adverse environmental effects and the degradation of landscape, streetscape and residential amenity values resulting from the construction, operation and maintenance of network utilities.**

Many network utilities are part of a network system with operational requirements and design features that can cause adverse effects. The location, size and design of some buildings and structures can have an adverse visual effect on landscape, streetscape and residential and public amenity. Network utilities also have the potential to affect other amenity values through the emissions of noise, odour and vibrations.

- 14.2.3 The potential for adverse effects on the health and safety of the community resulting from the construction, operation and maintenance of network utilities.**

There is potential for network utilities to adversely affect the health and safety of the community. Some network utilities in the road reserve present hazards to vehicles and pedestrians. There are risks associated with accidental spillage or leakage of hazardous substances. Electricity transmission and distribution generates the risk of electrocution and also electric and magnetic fields which may be a risk to health. Telecommunication facilities generate radio frequency emissions which may, at levels above the New Zealand standard, have detrimental effects on health.

14.3 Network Utilities and Designations: Objectives and Policies

The development of objectives and policies for networking utilities and designation has been guided by the following resource management goals as set out in Section 6: Natural Environment, Built Environment, Employment and Economic Growth and Managing Change. These goals enable and promote the purpose of the Resource Management Act 1991.

14.3.1 Objectives

1. The construction, operation and maintenance of an efficient and effective network of utilities that meets the needs of the community, and recognises reverse sensitivity effects of other uses locating in close proximity to utility structures.
2. To avoid, remedy or mitigate any adverse environmental effects of network utilities, including effects on amenity, landscape, streetscape and heritage values, arising from the construction, operation, and maintenance of network utilities.
3. An environment where the health and safety of the community is not adversely affected by the construction, operation and maintenance of network utilities.

14.3.2 Policies

1. To have regard to the operational and technical requirements of network utilities in the assessment of resource consent applications for network utilities.
2. By recognising that there are potential adverse effects on network utilities when sensitive uses are allowed to develop near utility structures, and that such sensitive uses should be avoided, remedied or mitigated.
3. Network utilities shall be designed, sited, operated and maintained in such a way that avoids, remedies or mitigates adverse effects on other network utilities.
4. Network utilities, shall be designed, sited, operated and maintained in such a way as to avoid, remedy or mitigate adverse effects on the environment of emissions of noise, light, vibration, odour or hazardous substances.
5. Network utilities shall be designed, sited, operated and maintained so that they avoid, remedy or mitigate any adverse effects on the area. This includes, but is not limited to, any adverse effects on;
 - a) any site, building, place or area, and
 - b) the landscape or streetscape, and
 - c) any site, building, place or area of heritage and archaeological value, and
 - d) the amenity values of any of these places.
6. To recognise that reserve land, and land zoned Recreation 1 in particular, is intended to be open public space free from the adverse effects of buildings, structures and activities not linked to the purpose of the zone. Siting of network utilities should avoid, remedy or mitigate adverse effects on;
 - a) The amenity of the reserve, and
 - b) Public use and enjoyment of the reserve, and
 - c) The potential for future development of the reserve.
7. To encourage the co-location of structures, the shared use of structures, and the use of existing network utility corridors, subject to;
 - Technical and operational feasibility, and
 - Recognition that the positive effects can be outweighed by the adverse cumulative effects.
 - Avoiding, remedying or mitigating any adverse effects.
8. To encourage the location of aerials and antennas on buildings, and the location of antennas on street lights, to reduce the need for masts and to avoid, remedy or mitigate the adverse visual effects of aerials and antennas.
9. To;
 - a) Require the undergrounding of electric and telecommunication lines in newly developing areas and for infill and redevelopment in established areas, and
 - b) Encourage these outcomes in established areas, especially when other street improvement works make this aesthetically desirable, and
 - c) Encourage the undergrounding of above ground network utilities in the road reserve.
10. Network utilities, and in particular those network utilities emitting radiofrequency fields or generating electric and magnetic fields, should be designed, sited, operated and maintained in such a way as to avoid, remedy or mitigate potential adverse effects on the health, safety and wellbeing of people and communities.

14.3.3 Methods

- i) Policies 1-10 will be implemented by rules
- ii) Policies 1-2 and 4-5 will be implemented by the Code of Practice for Working in the Road
- iii) Policy 9 will be implemented by Council initiatives
- iv) Policy 10 will be implemented by using Industry Standards to guide the administration of rules in the District Plan
- v) Policies 1-2, 4, 8 and 9 will be implemented using the North Shore City Council Infrastructure Design Standards to guide the administration of rules in the District Plan.

Explanation and Reasons

The primary means of achieving the objectives and policies of Section 14 is through the operation of the rules within the Plan. The rules are intended to ensure that network utilities are provided for and established but at the least environmental and amenity cost to the community. Development and Activity controls are baseline rules that apply to all network utilities to ensure that amenity values and the quality of the environment in the City are maintained. Development controls are specific controls that apply to network utilities and activity controls provide a cross reference to controls in other sections of the Plan to ensure that network utilities adhere to the baseline standards set out in those sections of the Plan. As well as these controls, the activity status of the various network utility activities may vary in different zones of the City in recognition of the effects that each activity has on areas of different character and sensitivity.

The Council supplements the use of rules by using tools that lie outside the District Plan. These include Road Opening Notices and the Code of Practice for Working in the Road.

Many network utilities are located within the road reserve because legislation (for example the Telecommunications Act 2001, the Electricity Act 1992 and the Gas Act 1992) allows network utility operators access to Council administered roads to install and maintain the relevant network utilities. Any utility operator (or private individual) wishing to work in the road must submit to Council a Road Opening Notice. This provides Council with details of the planned work and enables Council to set 'reasonable conditions' (according to the terms of the relevant legislation) of access to the road reserve. These conditions are primarily related to 'operational matters' that concern the protection of Council's road asset and its primary function as a transport resource. Examples might include conditions relating to reinstatement of the road and the safe and efficient flow of traffic. Theoretically, such operational conditions should not directly address environmental effects such as amenity considerations, as these should be imposed through resource consents or District Plan provisions. Such operational matters often have the consequential effect of addressing amenity values, however. Although Permitted activities in the road reserve are not heavily regulated in the District Plan - because they are judged to have few environmental effects - in the road reserve this ensures they are still subject to a process that minimises any negative environmental effects on the amenity of the City.

Council has also agreed with network utility operators on the provisions of the Code of Practice for Working in the Road. This agreement is based on the concept of partnership and prioritises co-operation and working together in a dependable and trustworthy manner. It also sets out the technical standards to which work in the road reserve is to be carried out, including position of services, site construction and reinstatement. The engineering specifications contained in Council's Infrastructure Design Standards are also relevant to network utility activities, particularly those concerning the water supply, wastewater and storm water, and those network utilities located in the road reserve.

Industry Codes and Standards can be useful tools for setting an acceptable benchmark for evaluating environmental effects. The rule relating to emissions of radio frequency fields and extremely low frequency electric and magnetic fields is set in the District Plan by reference to such Industry Standards. Another Industry Code to which the District Plan has regard is NZECP 34: 2001, a Code of Practice for Electrically Safe Distances.

14.3.4 Environmental Results Anticipated

The anticipated environmental results from the implementation of the above objectives, policies and methods are;

- A city with network utilities that are provided in an efficient and effective manner and to a standard that is adequate to support the activities that rely on them, without significant adverse environmental effects.
- Avoidance of the adverse effects of network utilities on the health and safety of people, as measured by regional health assessments.
- Increasing the quantity of network utilities that are undergrounded. This will be measured by the length of electric and telephone lines and the numbers of minor utility structures that are undergrounded.

14.4 Rules: Network Utility Activities

14.4.1 Underlying zoning

14.4.1.1 Activities within road reserve

In the case of any activities within road reserve, including designated road that is not yet legal road, the underlying zoning is deemed to be that of the immediately adjacent land extending to the mid point of the road.

14.4.1.2 Zoning on road stopping

Where roads or access ways are stopped and the designation is uplifted, the subject land will take on the underlying zoning that applied when the designation was in force.

Explanation and Reasons

Roads, proposed roads, road closures, access ways and service lanes are shown as designations on the District Plan maps, and accordingly, have underlying zonings.

14.4.2 Activity Status

The activity statuses of network utilities are set out in Table 14.1.

An activity status set out in Table 14.1 may be changed by provisions elsewhere in Chapter 14, and in other parts of the Plan identified in section 14.5.

Unless Structure Plan zones are separately referred to in this Section 14, all references to Residential zones include Structure Plan zones.

Explanation and Reasons

'Network Utilities' is defined in Section 21. This includes the works of network utility operators and for the purposes of this Plan also includes;

- *those parts of the telecommunication networks that are privately owned, including privately owned aerials and antennas.*
- *any activity emitting radio frequency fields, whether owned privately or by network utility operators.*

The activity status of the different network utilities is set out in Table 14.1. This activity status may be changed by provisions in other parts of the Plan. For example, although an activity may be listed in Table 14.1 as being a Permitted activity, if it does not comply with rules elsewhere in the Plan (restricted to those sections identified in section 14.5), this activity status will change and a resource consent will be required.

The table is organised by the type of network utility activity (for example, Telecommunications, Electricity, Gas). There is also a Miscellaneous section that applies to those activities that do not fit under one of the types of network utility activity. Some activities which are generic in nature and apply across all types of network utilities are also contained in this section, including minor utility structures.

For some activities the rules that apply in the road reserve differ from those applying outside the road reserve. In these cases the rules state whether it applies to areas within the road reserve (RR) or outside the road reserve (not RR). Where the road reserve is not mentioned, the rule applies to areas both in and outside the road reserve.

Each activity is specified as being Permitted, Controlled, Limited Discretionary, Discretionary or Non complying, with the following abbreviations being used;

P	Permitted activity
C	Controlled activity
LD	Limited Discretionary activity
D	Discretionary activity
NC	Non complying activity

In the Activity Table, those terms that are defined in Section 21 of this Plan are written in uppercase text.

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
	Miscellaneous					
1	The operation of NETWORK UTILITIES in existence on 17 October 1994	All zones				
2	UPGRADING of existing network utilities excluding HIGH VOLTAGE TRANSMISSION LINES supported by steel tower structures and the replacement of low pressure gas lines with HIGH PRESSURE GAS LINES	All zones				
3	NOT RR - Underground NETWORK UTILITIES not covered in other sections of this Table 14.1	All zones other than Recreation 1			Recreation 1	
4	RR - Underground NETWORK UTILITIES not covered in sections of this Table 14.1	All zones				

Table 14.1 Activity Status

	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
5	RR - Any MINOR UTILITY STRUCTURE, which has a total ground coverage not exceeding 0.5m ² in area and has a height not exceeding 1m above NATURAL GROUND LEVEL	All zones other than Recreation 1			Recreation 1	
6	RR - Any MINOR UTILITY STRUCTURE which <ul style="list-style-type: none"> • does not exceed 1.8m in height above NATURAL GROUND LEVEL, and • has a maximum length of 2.5m and a maximum depth of 1.2m, and • which in any case does not exceed 3.5 cubic metres in total volume 	All other zones	Recreation 2-4 and Residential 3		Recreation 1	
7	RR - Any minor utility structure that complies with the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2008	All zones				
8	NOT RR - Any MINOR UTILITY STRUCTURE which complies with Rule 14.5.2-14.5.4, and <ul style="list-style-type: none"> • does not exceed 1.8m in height above NATURAL GROUND LEVEL, and • with a maximum length of 2.5m and maximum depth of 1.2m, and • which in any case do not exceed 3.5 cubic metres in total volume 	All other zones		Residential 3 zone	Recreation zones	

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
9	NOT RR - Any MINOR UTILITY STRUCTURE which complies with Rule 14.5.2-14.5.4 and exceeds any of the above dimensions	Business 2-11, Rural and Special Purpose 1-4 and 12 zones		All other zones	Recreation and Residential 3 zones	
10	Any MINOR UTILITY STRUCTURE, which: <ul style="list-style-type: none"> exceeds the sizes for Permitted or Controlled activities, or does not comply with any of the Rules 14.5.2-14.5.4 			All zones other than Recreation 1	Recreation 1	
11	Temporary above ground SERVICE/ CONNECTION LINES to BUILDINGS and sites; <ul style="list-style-type: none"> for the period of construction only, or in an emergency 	All zones				
12	RR - Street furniture and street landscaping where approved by Council	All zones				
13	NOT RR - PUBLIC LETTERBOX	All zones other than Recreation zones		Recreation zones		
14	RR - PUBLIC LETTERBOXES		All zones			
15	NOT RR - POSTAL HOLDING BOXES	All zones other than Recreation zones			Recreation zones	
16	RR - POSTAL HOLDING BOXES				All zones	
17	Any NETWORK UTILITY which is a Permitted or Controlled activity and does not comply with any of the Rules 14.5.2-14.5.4, where the circumstance is not specifically provided for				All zones	

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
	Transport					
18	Parking areas associated with transport infrastructure such as bus stops, transfer stations and "park and ride" facilities		All Business zones except Business Local 1		All other zones including Business Local 1	
19	TRANSPORT EQUIPMENT	All zones				
20	NOT RR - Bus shelters	All zones				
21	RR -Bus shelters	All zones provided activity complies with Rule 14.5.3.8			All zones where activity does not comply with Rule 14.5.3.8	
	Telecommunications					
22	All ACTIVITY EMITTING RADIO FREQUENCY FIELDS	All zones provided activity complies with Rule 14.5.1.1				All zones where activity does not comply with Rule 14.5.1.1
23	NOT RR - Underground NETWORK UTILITIES for Telecommunication networks	All zones other than Recreation 1			Recreation 1	
24	RR - Underground NETWORK UTILITIES for TELECOMMUNICATION networks	All zones				
25	NOT RR - TELECOMMUNICATION KIOSKS	All zones other than Recreation zones		Recreation zones		
26	RR - TELECOMMUNICATION KIOSKS		All zones			
27	AERIALS	All zones provided activity complies with Rule 14.5.3.1		All zones where activity does not comply with Rule 14.5.3.1		

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
28	The activities of LICENSED AMATEUR RADIO OPERATORS that are solely for the purposes of operating an amateur radio station	Where the activity complies with Rule 14.5.3.4 and is located in Residential or Rural Zones only (excluding residential 3)			Where the activity does not comply with Rule 14.5.3.4 or is located in any other zone	
29	A MOVING AERIAL OR ANTENNA			All zones		
30	An ANTENNA attached to a BUILDING (excluding a MAST) that does not exceed 1m ² in area or 1.2m in diameter	All zones				
31	An ANTENNA attached to a BUILDING (excluding a MAST) that does not exceed 1.5m ² in area or 1.4m in diameter	All other zones	Residential, Recreation, Business 1 and Special Purpose 3-11 and 13 zones			
32	An ANTENNA attached to a BUILDING (excluding a MAST) that does not exceed 2.5m ² in area or 2m in diameter		All other zones	Residential, Recreation, Business 1 and Special Purpose 3-11 and 13 zones		
33	ANTENNAS attached to a BUILDING (excluding a MAST), that are Permitted or Controlled activities and do not comply with Rule 14.5.3.2			All zones		
34	MASTS	Business zones 2-11 up to the permitted height limit of the zone or 15 metres (whichever is lowest)	Business zones 2 -11 and Special Purpose 1,2 and 12 zones up to 20 metres	All other zones (including Business 1 where not adjacent to Residential 3 zone) in accordance with the height limits in 14.5.3.3	Recreation zones	Business 1 (where adjacent to Residential 3 zone) and Residential 3 zone

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
35	ANTENNAS attached to a MAST that do not exceed 1m ² in area (or 1.2m ² when covered with a shroud) or 600mm in diameter	Business zones 9-10, excluding those parts in the Buffer Strip	Business zones 2-8, 9-10 where located in the Buffer Strip, Business 11 and Special Purpose 1,2 and 12 zones	All other zones	Residential 3	
36	ANTENNAS attached to a MAST, not exceeding 2.5m ² in area or 2m in diameter		Business zones 9-10, excluding those parts in the Buffer Strip	Business zones 2-11 (including Business 9-10 where located in the buffer strip), Special Purpose 1,2 and 12 zones	All other zones	Residential 3
37	Up to 8 ANTENNAS attached to a MAST provided that only two may be dish ANTENNAS and each may not have a diameter greater than 600mm	Business zones 9-10, excluding those parts in the Buffer Strip	Business zones 2-8, 9-10 where located in the Buffer Strip, Business 11 and Special Purpose 1,2 and 12 zones	All other zones	Recreation zones	Residential 3
38	RR - ANTENNAS attached to replacement utility structure that comply with Regulation 7 of the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2008	All zones				

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
39	RR - ANTENNAS attached to replacement utility structures that do not comply with Regulation 7 of the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2008			Business 2-11, Rural zones and Special Purpose 1,2 and 12 zones	All other zones	
40	ANTENNAS, AERIALS and MASTS not otherwise provided for in this Table				All other zones	Recreation and Residential 3
41	Closed-circuit television cameras	All zones				
42	Telephone exchanges not exceeding 100m ² gross floor area		Business and Rural 1,3 and 3A zones		All other zones	
43	Telephone exchanges exceeding 100m ² gross floor area				All zones	
44	New above ground TELECOMMUNICATION SERVICE/ CONNECTION LINES where the existing distribution service to which the connection is made is underground.			Rural zones	All zones other than Rural zones	
45	Other new above ground TELECOMMUNICATION SERVICE/ CONNECTION LINES	All other zones		Recreation zones and Residential 3		
46	New above ground TELECOMMUNICATION LINES			All other zones	Residential 3 and Recreation zones	

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
	Electricity					
47	All activities emitting extremely low frequency electric and magnetic fields	All zones provided activity complies with Rule 14.5.1.2				All zones where activity does not comply with Rule 14.5.1.2
48	NOT RR - Underground NETWORK UTILITIES for Electricity networks	All zones other than Recreation 1			Recreation 1	
49	RR - Underground NETWORK UTILITIES for Electricity networks	All zones				
50	NOT RR - Electricity SUBSTATIONS. For the purposes of this rule SUBSTATION does not include MINOR UTILITY STRUCTURES up to 1.8m high or 10m ²		Business 9 and 10, and Rural zones		All other zones	
51	NOT RR - Electricity SUBSTATIONS which do not comply with Rule 14.5.2-14.5.4. For the purposes of this rule SUBSTATION does not include MINOR UTILITY STRUCTURES up to 1.8m high or 10m ²				All zones	
52	New above ground electricity SERVICE/ CONNECTION LINES where the existing distribution service to which the connection is made is underground			Rural zones	All zones other than Rural zones	
53	Other new above ground electricity SERVICE/ CONNECTION LINES	All other zones		Recreation zones and Residential 3		
54	New above ground ELECTRIC LINES, excluding HIGH VOLTAGE TRANSMISSION LINES			All other zones	Residential 3 and Recreation zones	

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
55	Maintenance and/or MINOR UPGRADING of existing HIGH VOLTAGE TRANSMISSION LINES, supported by steel tower structures.	All zones				
56	Tower replacement on existing HIGH VOLTAGE TRANSMISSION LINES supported by steel tower structures where replacement occurs wholly within that area defined in the diagram set out in Part A of Appendix 14K, or increase in tower height according to Part B of Appendix 14K		All zones			
57	Tower replacement on existing HIGH VOLTAGE TRANSMISSION LINES supported by steel tower structures where any part of the replacement tower is outside that area defined in the diagram set out in Appendix 14K			All zones		
58	Changes to HIGH VOLTAGE TRANSMISSION LINES, supported by steel tower structures, not provided for as Permitted, Controlled or Limited Discretionary Activities				All zones	
59	New above ground HIGH VOLTAGE TRANSMISSION LINES				All zones	
	Water Services, Wastewater, Stormwater					
60	NOT RR - Underground NETWORK UTILITIES for water networks except for all activities specifically addressed in this Water Services section of Table 14.1	All other zones			Recreation 1 and Structure Plan zones	

Table 14.1 Activity Status						
	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
61	RR - Underground NETWORK UTILITIES for water networks excluding all activities specifically addressed in this Water Services section to Table 14.1	All zones other than Structure Plan zones			Structure Plan zone	
62	Pipe bridges			All zones other than Recreation 1	Recreation 1	
63	NOT RR - Pipe bridges where attached to an existing bridge or structure		All zones other than Recreation 1		Recreation 1	
64	RR - Pipe bridges where attached to an existing bridge or structure		All zones			
65	Stormwater detention ponds				All zones	
66	Sewage pumping stations, water pumping stations and wastewater storage tanks, provided that; i) they are underground , and ii) any above ground structure does not exceed 30m ² area	Special Purpose 1, 3	All other zones		Recreation 1	
67	Other sewage pumping stations, water pumping stations and wastewater storage tanks	Special Purpose 1, 3			All other zones	
68	WATER SUPPLY RESERVOIRS, provided they are completely underground		All other zones		Recreation 2 and 3	Recreation 1
69	Stormwater pumping stations and other WATER SUPPLY RESERVOIRS				All zones other than Recreation 1	Recreation 1

Table 14.1 Activity Status

	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
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	Gas					
70	NOT RR - Underground NETWORK UTILITIES for Gas networks excluding HIGH PRESSURE GAS LINES	All other zones			Recreation 1 and Structure Plan zones	
71	RR - Underground NETWORK UTILITIES for Gas networks excluding HIGH PRESSURE GAS LINES	All zones other than Structure Plan zones			Structure Plan zones	
72	Gas gate stations		Business 9 and 10, and Rural zones		All other zones	Recreation and Residential
73	Gas gate stations which do not comply with Rule 14.5.2-14.5.4				All other zones	Recreation and Residential
74	Gas regulator stations not exceeding 20m ² gross floor area		All zones other than Recreation 1		Recreation 1	
75	Gas regulator stations exceeding 20m ² gross floor area				All zones	
76	HIGH PRESSURE GAS LINES, replacing low pressure gas lines with HIGH PRESSURE GAS LINES, and necessary incidental equipment for all gas networks, including compressor stations				All zones	

Table 14.1 Activity Status

	RR - Rules apply for activity in the road reserve NOT RR- Rules apply for activity outside the road reserve No reference - Rules apply for activity in all areas	P	C	LD	D	NC
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	Meteorological Activities					
77	<p>Meteorological activities provided that;</p> <ul style="list-style-type: none"> the height of the anemometer mast does not exceed 10 metres the height of the ancillary building does not exceed 3 metres the total floor area does not exceed 5m², and the total site area of occupancy does not exceed 500m² 		Rural and Business zones		Residential and Special Purpose zones 1,2,3,4,8,10	All other zones

14.5 Further Rules and Development and Activity Controls

14.5.1 Radio-frequency and Electric and Magnetic Fields

14.5.1.1 Radio-frequency fields

a) Compliance

Exposures to radio-frequency fields produced by any activity emitting radio frequency fields shall not exceed the maximum exposure level for the general public in the *New Zealand Standard NZS 2772.1: 1999 Part 1 - Maximum Exposure Levels - 3 kHz to 300GHz* measured at all places reasonably accessible to the general public.

b) Reporting

Any proposal to undertake a new activity emitting radio-frequency fields which will result in public exposure, or existing activity that proposes to increase existing levels, should submit a report as required in Rule 3.10.7.1.6.

14.5.1.2 Electric and Magnetic Fields

a) Compliance

Exposures to ELF electric and magnetic fields shall always comply with the

guidelines specified by the International Commission on Non-Ionising Radiation Protection (ICNIRP) 1998

b) Reporting

Any proposal to undertake a new activity producing extremely low frequency (ELF) electric and magnetic fields, or to modify an existing activity that increases existing ELF field levels, which will exceed specified reference levels, should submit a report as required in section 3.10.7.1.6

Explanation and Reasons

An activity emitting radio-frequency fields includes activities such as radio and television broadcasting activities, cell phone sites and antennas. These are distinguished from the ELF electric and magnetic fields that are found around power lines and electrical cabling and equipment. Although they are both electromagnetic in origin, the way they interact with the body is fundamentally different as they operate at very different frequencies. For this reason, different standards apply to each type of field.

The accepted standard operating in New Zealand for radio-frequency fields is the New Zealand Standard NZS 2772.1: 1999 Part 1 - Maximum Exposure Levels - 3kHz to 300GHz. There is no independent New Zealand standard addressing exposure guidelines for the ELF electric and magnetic fields. Many countries have accepted the guidelines published by ICNIRP in 1998 and the Council also uses these guidelines in the District Plan as a health and safety benchmark.

The New Zealand Standard and the ICNIRP guidelines have established levels of exposure to radio-frequency fields and ELF electric and magnetic fields below which adverse effects are thought to be negligible. Activities that comply with these Standards and Guidelines are therefore deemed to have no significant environmental effects in respect of the health, safety and wellbeing of the community. To verify that activities that propose to emit radio-frequency or ELF electric or magnetic fields comply with the respective Standards and Guidelines, Rule 3.10.7.1.6 requires that applications for these activities should include a report verifying compliance with the New Zealand Standard or the ICNIRP. A report is only required where the radiofrequency emissions exceed 25% of the New Zealand Standard or where the ELF electric or magnetic fields exceed 50% of the ICNIRP guidelines. Amateur radio operators are not required by Rule 3.10.7.1.6 to furnish such a report.

14.5.2 Development Controls

These controls in 14.5.2 shall apply to all Permitted and Controlled activities in Table 14.1, provided that;

- a) any network utility located entirely within the road reserve shall not be required to comply with the following:
 - Landscaping controls in 14.5.2.2
 - Parking, loading and access controls
 - Height, height to boundary and yard controls, subject to the Coastal Conservation Area rules in 8.4.1.1 and the Foreshore Yard rule in 16.6.1.5A
- b) minor upgrading and tower replacement on existing high voltage transmission lines shall not be required to comply with the following:
 - i) Landscaping controls in 14.5.2.2
 - ii) Height, height to boundary and yard controls in 14.5.2.4.
- c) The following utility structures shall not be subject to Height in Relation to Boundary controls
 - i) Aerials (including pole aerials) and antennas with a diameter not exceeding 600mm
 - ii) Antennas and aerials being attached to permitted and lawfully existing utility masts where the height of the mast to which it is attached is lawfully established but exceeds permitted height of the relevant zone, as long as the antenna does not increase the non-compliant height of the structure.

- iii) Those aerials, masts and antennas provided for as permitted activities for the purposes of Licensed Amateur Radio Operators as defined in Section 21

Explanation and Reasons

It is unnecessary for some of the following rules to apply to Permitted and Controlled activities in certain situations. Landscaping requirements in the road reserve for below ground network utilities and minor utility structures are one example of this. It is considered that in some cases the coastal conservation area and foreshore yard controls are also unnecessary, for example, where underground network utilities in the foreshore yard are located under or immediately adjacent to the carriageway, as this area is already heavily modified. A similar argument applies to above ground network utilities within the coastal conservation area. It is not intended however that these coastal conservation area and foreshore yard exclusions apply to the areas of road reserve that have no formed carriageway, for example near the coast where the formed road ceases but the road reserve continues to the coastal edge. See Rule 8.4.1.1 and 16.6.1.5A for these rules.

Utility structures such as those listed in (c) above are likely to have minimal effect on amenity and making them subject to Height in Relation to Boundary controls is considered unduly onerous. The sizings given provide for normal sky dishes and smaller utility antennas and aerials. Normal yard controls and height controls where relevant continue to apply to protect the amenity of adjacent sites.

14.5.2.1 Reinstatement

Where the establishment or maintenance of a network utility involves the disturbance of the ground, the body responsible for that work must reinstate the ground to at least the condition existing prior to commencement of the work taking place.

Explanation and Reasons

Reinstatement in the road reserve is an important goal of the Code of Practice for Working in the Road. For work carried out in the road reserve Council uses the principles of reinstatement as summarised in the Code as a standard to assess whether reinstatement has been sufficiently completed.

14.5.2.2 Landscaping

For amenity purposes, where practicable the visual impact of above ground structures shall be remedied or mitigated by landscaping, screening or similar remedial measures.

Explanation and Reasons

The visual appearance of the buildings and structures of network utilities can have a detrimental effect upon the amenity values of an area. This rule has the purpose of enhancing the appearance of such buildings and structures as viewed from the road and neighbouring properties by requiring that landscaping be carried out. It is not always considered practicable to landscape or screen the parts of utility structures that by their design are elevated (for example antennas attached to masts and aerials attached to buildings), although other remedial measures can still be taken, for example sensitive placement or painting.

14.5.2.3 Maintenance

Network utility operators shall maintain and regularly upkeep any above ground structures so as to protect the amenity of an area and prevent any health and safety issues arising. The operator must remove any graffiti or posters from the above ground structure within five working days of notification by the Council. Where above ground structures located in road reserve are redundant or obsolete they must be removed. Where underground structures located in the road reserve are redundant or obsolete, a utility operator shall, when requested, supply details to Council concerning those redundant structures, to enable that space to be used.

Explanation and Reasons

Above ground network utilities are common activities and (particularly when located in a road reserve), they are highly visible. This rule has the purpose of ensuring that their appearance is maintained so that they do not detract from the amenity of an area. Those underground network utilities that are located in the road reserve are allocated their own

corridors according to the provisions of the Code of Practice for Working in the Road and the Infrastructure Design Standard. Where a pipe or wire is being replaced, the replacement should be located as near as practicable to the designated position in the North Shore City Council Infrastructure Design Standards.

14.5.2.4 Height, Height to Boundary and Yard Controls

All activities in Table 14.1 shall comply with any relevant height, ground coverage or dimension controls specified in that Table with the exception of those listed in Rule 14.5.2 (a)-(c). Where no such control is specified for an activity located outside the road reserve and above ground, all structures greater than 1.8m high or 10m² shall comply with the development controls for the zone in which they are located.

14.5.3 Additional Controls for Specific Activities

14.5.3.1 Aerials

14.5.3.1.1 Aerials attached to a Building

All aerials identified as Permitted Activities in Table 14.1 Activity Status shall comply with the following;

i) Height

The aerial shall not exceed the height of the point of attachment to the building by more than the following;

Zone	Height
Residential and Recreation	3m
Rural	4m
Business	5m
Special Purpose 1,2 and 12	5m
Other Special Purpose zones	3m

An aerial may exceed the permitted height limit of the zone.

ii) Numbers

In Residential zones;

- a) Each residential unit in a single building that contains not more than 2 residential units may have;
 - not more than 6 aerials attached to it provided that the 5th and 6th aerial may only be single wire aerials, and
 - all aerials that are not single wire aerials must be co-located on not more than 2 mountings that attach them to the building.
- b) Each residential unit in a single building that contains 3 or more residential units may have not more than 2 aerials attached to it, provided that the aerials must be co-located on the same mounting that attaches them to the building.
- c) Other uses in residential zones such as schools, community buildings, local shops and other business uses (not including home occupantions) may have 2 aerials per site (in addition to any aerials permitted for residential units).

iii) Dimensions

Any dimension of an aerial (excluding the mountings and excluding single wire aerials) shall not exceed 3m.

14.5.3.1.2 Aerials attached to a Mast

- i) No more than two aerials are permitted per mast.

- ii) Any dimension of an aerial (excluding the mountings) shall not exceed 1.5m

14.5.3.2 Antennas attached to Buildings

14.5.3.2.1 Antennas attached to buildings in Residential, Recreation, Business 1 and Special Purpose 3-11 and 13 zones

All antennas attached to buildings and identified as Permitted and Controlled Activities in Table 14.1 and located in Residential, Recreation, Business 1 and Special Purpose 3-11 and 13 zones shall comply with the following;

- iii) Height

The antenna shall not exceed the height of the point of attachment to the building to which it is attached by more than 3m. An antenna may exceed the height of the zone.

- iv) Numbers

- a) Each residential unit in a single building that contains not more than 2 residential units may have not more than two antennas attached to it.
- b) Each residential unit in a single building that contains 3 or more residential units may have not more than 2 antennas attached to it, provided that the second antenna may not be bigger than 0.15m² or 0.4m in diameter.
- c) Other uses such as schools, community buildings, local shops and other business uses (not including home occupations) may have 3 antennas per site (in addition to any antennas permitted for residential units).

- v) Yards

An antenna shall not be located closer than 1m to a site boundary.

14.5.3.2.2 Antennas attached to buildings in Business 2-11, Rural, Special Purpose 1,2 and 12 zones

All antennas attached to buildings and identified as Permitted and Controlled Activities in Table 14.1 and located in Business 2-11, Rural, Special Purpose 1,2 and 12 zones shall comply with the following;

- i) Height.

The antenna shall not exceed the height of the point of attachment to the building by more than the following;

Zone	Height
Business 2-11	5m
Special Purpose 1,2 and 12	5m
Rural	3m

An antenna may exceed the permitted height limit of the zone.

- ii) Numbers

There shall be no more than two antennas attached to the facade of each residential unit in Business zones 2-11 (not including the roof), provided that the second antenna may not be bigger than 0.15m² or 0.4m in diameter.

- iii) Yards

An antenna shall be subject to the yard controls for the zone in which it is located.

Explanation and Reasons

These rules specify controls for antennas attached to buildings. In Business 2-11 zones it is intended that not more than two antenna should be attached to the facade of each

residential unit (not including the roof). However this does not limit the placement of antennas on the roof, where the number is not restricted.

14.5.3.3 Height of masts and antennas attached to masts

Masts (including any antennas and aerials attached to masts but excluding lightening rods) in Table 14.1 Activity Status shall comply with the following height limits:

Zone	Height
Business 1	10m
Rural 1 zone	15m
Rural 2-4 zone	10m
Residential zones	Height of zone
Special Purpose zones 3-11, 13 and 13a	10m

14.5.3.4 Activities of Licensed Amateur Radio Operators

14.5.3.4.1 General Requirements

An amateur radio configuration must meet all of the following criteria;

- 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.

14.5.3.4.2 Aerials attached to buildings

- a) 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.
- b) 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).
- c) Notwithstanding (b), one aerial attached to a building (excluding the mast) per site may have a dimension of up to 11 metres
- d) Numbers of aerials may not exceed 6, with the exception of two whip style aerials with a maximum length of 1.5m.

14.5.3.4.3 Antennas attached to buildings

- a) One single antenna is permitted on a site with a dimension not exceeding 1.5m² in area or 1.4 m in diameter. This antenna is permitted in addition to any antennas permitted under Rule 14.5.3.2 and all other development controls identified in Rule 14.5.3.2 apply.

14.5.3.4.4 Pole aerials and supporting poles

- a) A maximum of two supporting poles are permitted on a single site, and are called a primary pole and a secondary pole. The diameter of any supporting pole shall not be greater than 700mm up to 10m and 400mm above this. The pole may be a simple pole (with or without guys) or be of a lattice construction.
- b) A primary pole;
 - i) Shall not exceed 15 m in height including any attached pole aerials
 - ii) Shall not have more than 3 pole aerials affixed to it

- iii) 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.
- c) A secondary pole shall;
 - i) not exceed the permitted height limit of the zone
 - ii) not have more than one single wire aerial attached to it
 - iii) be joined by the single wire aerial to the primary pole

For the purpose of this section, 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.

14.5.3.4.5 Rotator

- a) 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)

Explanation and Reasons

Licensed Amateur Radio Operators have an important role in civil defence activities in North Shore City. In recognition of this, this section provides aerials and antennas used by Licensed Amateur Radio Operators for the purpose of amateur radio activities with a wider envelope of entitlements as a permitted activity than aerials and antennas used by persons who are not licensed amateur radio operators.

14.5.3.5 Location of minor utility structures

14.5.3.5.1 Minor utility structures within the road reserve

All minor utility structures located in the road reserve and identified as Permitted or Controlled activities in Table 14.1 Activity Status shall not be located more frequently than one structure every 30 metres on each side of the road reserve unless it is impracticable to do so. This rule excludes;

- i) Minor utility structures that have a ground coverage not exceeding 0.5m² in an area and a height not exceeding 1m above natural ground level
- ii) Minor utility structures in Business zones 7-10
- iii) Those minor utility structures located on Primary arterials as identified in Appendix 1 of the District Plan maps, regardless of the underlying zoning.

Explanation and Reasons

Where they are located in close proximity to each other minor utility structures can create a 'wall' of structures that is visually unattractive. When utility structures are located in the road reserve, this rule requires that they are spaced apart where practicable. This rule does not apply in areas where amenity is of less importance, such as in Business 7-10 zones on Primary arterials.

14.5.3.5.2 Minor utility structures that serve only one site

Where a minor utility structure (excluding Permitted activities that have ground coverage not exceeding 0.5m² in area and has a height not exceeding 1m above natural ground level) is designed to service only one site it must not be located in the road reserve.

Explanation and Reasons

For some industrial activities one minor utility structure may be required to service only the one site. In these situations the benefit of the minor utility structure is only for that site and should be located on the property rather than in the road reserve.

14.5.3.6 Underground service/connection lines

For all underground service/connection lines that are connected to above ground distribution lines, the colour of the above ground portion of the service/connection line shall be recessive (including the colours white and grey). The line may be tagged with coloured markers to indicate the type of line.

14.5.3.7 Bus shelters

All bus shelters identified as Permitted Activities in Table 14.1 Activity Status shall comply with the following standards, terms and conditions:

- a) Advertising and passenger information: Bus shelters must not contain any general commercial advertising. Display cases (or similar) containing timetables or other passenger transport services information may be electronic (variable message type) and may contain commercial symbols provided the display is only readable by users of the shelter or pedestrians passing by (and not by motorists or occupiers of properties in the vicinity).
- b) Bus shelter siting and design: Bus shelters must conform to the the following:
 - Shelters shall be a maximum height of 2.7 metres and a maximum coverage often (10) m² measured one (1) metre above the pad;
 - The shelter structure design, finishes and colour shall, when viewed as a whole, not generate any significant detractor from the visual amenities of the immediate locality nor be a distraction to motorists, and no part of the structure shall have a reflectivity greater than 37% with the reflectivity of any glass component of the shelter being measured at a normal angle of incidence;
 - Shelters shall only contain or employ lighting sufficient for illuminating passenger transport services information and creating a sense of security for users. The nature of lighting shall not detract from the existing amenity of the area and must not compromise road safety. The downlit lighting standard shall be up to a maximum of 40 lux as measured at the floor of the shelter, with no more than 4 lux light spill at any private property boundary;
 - Shelters shall be located so there is generally a maximum of 10 metres distance between the shelter and the head (front) of the bus stop;
 - Shelters shall have sufficient unobstructed space for safe and convenient pedestrian and passenger movement around the shelter. In general the bus shelter should be located a minimum of 1.4 metres from any vehicle crossing or roadside kerb. However, in high density pedestrian or vehicular traffic areas, greater setbacks should be achieved to respond to the increased need for safety and convenience. There should wherever practicable be a minimum of 1.4 metres of unobstructed footpath and a continuous paved surface between the shelter and the kerb at the head of the bus stop.
- c) Prior bus stop approval: Bus shelters shall only be positioned adjacent to bus stops authorised by the Council acting as road controlling authority.
- d) Bus shelter approval under other legislation: Bus shelters must have prior approval under the Local Government Act or such other legislation as may apply to their establishment.

Explanation and Reasons

Council has a bus shelter policy (Policy 4.2.9 Bus Shelters) that outlines an approval process for bus shelters under local government legislation. Included in the policy is a process for consideration of any objections to proposed bus shelters. Council's policy provides for appeals to the relevant standing committee of Council by persons not satisfied with the first decision on their objection. Policy 4.2.9 Bus Shelters also includes criteria for the siting and design of bus shelters and these will be upheld unless there are unusual circumstances.

The policy will be reviewed from time to time, through reports to committee meetings that are open to the public, and specifically if Local Government legislation changes. Policy 4.2.9 Bus Shelters can be found in the Council Policy Manual. Further information is available from Council's Transportation and Roading Group.

The above rule has been written in a way which sets out the standards, terms and conditions which need to be achieved and two of these are complemented by technical controls. This format has been followed to ensure both clarity and certainty of expected environmental outcome. The technical controls are explained below.

The reflectivity maximum of 37% is to ensure that the shelter is not a significant detractor from the visual amenity of the immediate locality nor be a distraction to motorists. A key aspect of achieving this is to limit the amount of reflection from the shelter and therefore a reflectivity maximum of 37% has been set. The maximum of 37% reflectivity is, by way of example, about the same reflection from a caucasian skin tone. Since part of the shelter may be glass and at certain acute angles the reflectivity may exceed 37% from the glass, the reflectivity for the glass will be measured at a normal angle of incidence. Normal incidence of entry is light entering at right angles to the surface it is entering and reflecting off. Light striking the glass at anything other than normal incidence of entry does not therefore have to meet the 37% reflectivity limit.

The rule also sets maximum lighting lux levels. The intention of the rule is to ensure sufficient lighting for illuminating passenger services information and creating a sense of security. In addition consideration must be had for the bus drivers being able to see waiting passengers in the shelter and the level of lighting for waiting passengers which must not be too bright as this can create disorientation and limit visibility from within the shelter. In addition to the passenger considerations the lighting levels must not compromise road safety and detract from the existing amenity of the area. To achieve this, maximum lighting levels (illuminance) in the shelter and at property boundaries have been set. This has been set at up to 40 lux as measured at the floor of the shelter and no more than 4 lux light spill at any private property boundary. Illuminance is the term for the amount of light falling on something. Light levels are generally specified on a horizontal plane usually at ground level. The unit for illuminance is Lux. By way of comparison a full moon has an illuminance of 0.1 lux, twilight an illuminance of 10 lux and direct sunlight an illuminance of 100 000 lux.

14.5.4 Activity Controls

All Permitted and Controlled activities shall comply with relevant rules specified in the following General Sections. The rules contained in these Sections may change any activity status specified in Table 14.1.

Section 8: Natural Environment

Section 9: Subdivision and Development (including Soil and Water Protection)

Section 10: Pollution and Waste Management (including Noise, Hazardous Substances, Air Emissions, Odour, Dust, Vibration, Lighting)

Section 11: Cultural Heritage

Section 12: Transportation

Section 13: Signs

14.6 Controlled Activities - Reservations and Assessment Criteria

Controlled activities must comply with all relevant controls of the Plan, including the Development and Activity controls in 14.5. In addition, the Council may impose conditions under Section 108 of the RMA and for this purpose reserves control over the matters specified below for General and Specific Controlled activities.

14.6.1 Reservations and Assessment Criteria for General Controlled Activities

14.6.1.1 Reservations for General Controlled Activities

The Council reserves control over the following matters for all Controlled activity resource consent applications;

- i) Design and external appearance
- ii) Siting
- iii) Visual impact including landscaping and screening

- iv) Effects on streetscape and amenity
- v) Natural and built heritage values
- vi) Noise, vibration, odour, glare, dust, air emissions, lighting
- vii) Vehicle movements, access and parking
- viii) Risk of contamination or other hazards
- ix) Effects on overland flow paths and/or water courses
- x) Land stability and ground conditions
- xi) Technical constraints and operational considerations
- xii) Safety and convenience of road users
- xiii) Appropriateness of activities within recreation zones
- xiv) Effects on the natural character and integrity of flood plains and/or riparian margins

14.6.1.2 General Assessment Criteria

The Council shall assess applications using the following criteria;

- i) The nature of the locality in which the activity is located. This includes consideration of the streetscape of the area, the character of the coastal or rural environment, any significant landscape values of the area (including the natural form and character of visually prominent ridgelines and landforms), and the amenity values of the surrounding area.
- ii) Whether the design and external appearance of buildings and structures for network utilities are sympathetic to the character of the locality. This will include assessment of the extent to which the network utility dominates, or is overbearing in relation to adjacent activities. In applying this criterion the Council will recognise that some utility structures need to be of certain forms or dimensions and there is limited ability to alter those dimensions.
- iii) Whether the proposed siting, landscape design, screening and site layout will internalise or mitigate the effects of the network utility to the site as far as practicable.
- iv) The effect on any significant views (as defined in Appendix 8F) will be avoided or mitigated, including those from the Coastal Marine Area.
- v) Whether the heritage values of any identified buildings or places would be adversely affected by the structure.
- vi) All adverse effects on amenity values of an area from potential nuisance factors including noise, vibration, odour, glare, dust, air emissions and lighting will be avoided, remedied or mitigated.
- vii) Whether the effects on the overland flowpath and/or watercourse are more than minor and whether and proposal may impede the flow of water in the 1% AEP Stormwater Event.
- viii) Whether the potential for contamination or hazards resulting from equipment failure, accidents or discharges have been addressed, including taking into account the nature of adjoining land use activities.
- ix) Whether it is technically, economically and practically reasonable to co-locate structures.
- x) The extent to which these criteria are constrained by operational or technical issues.
- xi) Whether structures located in the road reserve will be sited so that;
 - a) the potential for traffic and pedestrian safety problems is avoided and recommended clearance distances for pedestrians thoroughfare is preserved (as detailed in North Shore City Councils Infrastructure Design Standards). This assessment must take account of any likely proposed upgrading or improvements of the road

- b) there is sufficient space in the road reserve for planting and maintenance of street trees, the provision of lighting, street furniture and parking, where reasonably practicable.
- c) access to the road reserve is preserved.
- xii) For any activity that is proposed to take place on reserve land;
 - a) Whether the activity can readily be provided outside the reserve
 - b) Whether locating the network utility on recreation land is consistent with the objectives and policies of the relevant Recreation zone
 - c) The anticipated impact on the amenity of the reserve, including natural and recreational amenity
 - d) Whether the proposed location of the activity has potential to limit or prevent options for the development of the reserve in the future
 - e) Any potential interference with the public use and enjoyment of the reserve
 - f) Recognising that land zoned Recreation 1 possesses high natural amenity and is regarded as suitable for the location of network utilities only in unusual circumstances
 - g) Recognising that land in the road reserve that is zoned Recreation, especially in areas of natural amenity, provides a transition zone between the public open space and the carriageway.
- xiii) Whether the provision of stormwater detention ponds is in accordance with the objectives of the relevant Catchment Management Plan, and recognition that ponds form part of a treatment train approach to stormwater management in combination with on-site stormwater management.
- xiv) Where any activity is proposed within a flood plain and/or riparian margin, whether any potential adverse effects on their natural function and integrity have been considered.

14.6.2 Reservations and Assessment Criteria for Specific Controlled Activities

14.6.2.1 Replacement of Electricity Transmission Towers

The Council reserves control over the height, location and appearance of the replacement tower.

The Council shall assess applications for tower replacement in terms of any additional or changed effects using the following criteria;

- i) the extent to which alternatives to a proposed tower replacement siting have been evaluated and a comparison of each alternative undertaken, taking into account the operational efficiency and technical requirements of the network utility and the financial implications to the applicant.
- ii) the extent to which there are any significant mitigating factors or significant adverse effects that can be avoided or remedied with an alternative tower siting proposal.
- iii) the extent of which the streetscape of the area, the character of the coastal or rural environment, the significant landscape values of the area (including the natural form and character of visually prominent ridgelines and landforms), or the amenity values of surrounding properties or public spaces, would be affected.
- iv) the likely impacts on the security of North Shore's electricity supply in the event of the applicant proceeding or not proceeding with the principal alternative tower relocation proposal.
- v) the extent to which a pole structure or a tower of an alternative design or colour would have a lesser or greater environmental effect.
- vi) the extent to which the location of tower structures will have adverse effects on the safety of road users.
- vii) whether the location would have adverse effects on conservation, cultural or archaeological values.

- viii) whether there are native bush or wildlife habitats that could be adversely affected by the proposal.

14.6.2.2 Gas Regulator Stations

The Council reserves control over the matters specified in 14.6.1.1.

The Council shall assess applications for those gas regulator stations identified as Controlled activities in Table 14.1 using the criteria identified in 14.6.1.2, and the following:

- i) All such facilities shall be housed in a secure, enclosed building or compound and should be of a colour that will minimise the visual intrusiveness of the building.
- ii) The area surrounding the facility should be landscaped with the purpose of screening the facility from surrounding activities.

14.6.2.3 Minor utility structures, public letterboxes and telecommunication kiosks within the road reserve

The Council reserves control over the matters specified in 14.6.1.1 and the following;

- a) The necessity for the structure to locate in the road reserve, depending on the user or users that the structure will serve
- b) Whether the structure can be located underground
- c) With respect to public letterboxes and telecommunication kiosks, the height of the structures

The Council shall assess applications for minor utility structures, public letterboxes and telecommunication kiosks within the road reserve identified as Controlled activities in Table 14.1 using the criteria identified in 14.6.1.2, and the following;

- i) Who the structure is designed to serve. Where the structure is designed to serve only one site it must not be located in the road reserve.
- ii) The proposed location of the equipment or structure in relation to any planned road widening, or vertical and / or horizontal realignment of the road.
- iii) Whether there are difficult ground conditions or technical constraints that make placement underground impracticable.
- iv) Whether the proposed location of the structure has been considered in relation to any existing structure already in the vicinity.

14.6.2.4 Water Supply Reservoirs, Wastewater Storage Tanks and Pumping Stations

The Council reserves control over the matters specified in 14.6.1.1.

The Council shall assess applications for Water Supply Reservoirs, Wastewater Storage Tanks and Pumping Stations identified as Controlled activities in Table 14.1 using the criteria identified in 14.6.1.2 and the following;

- i) Whether the structure will be located and designed to harmonise with the natural or built features of the area in which it is situated by one or more of the following means:
 - Undergrounding the structure
 - Partial or complete backfilling of reservoir walls
 - Screening using earth mounding and planting
 - Locating the reservoir so that it is not visible from a Residential or Recreation zone
- ii) Where the above treatments are not possible for hydraulic, topographical or other reasons, visual impacts will be avoided, remedied or mitigated through:
 - Appropriate screening and/or planting
 - Colour treatment to reduce visual dominance; or

- Design modifications such as domed roofs where reservoirs are situated on hills

14.6.2.5 Pipe Bridges

The Council reserves control over the matters specified in 14.6.1.1 and also the location of pipe bridges in respect of the risk of failure.

The Council shall assess applications for Pipe Bridges identified as Controlled activities in Table 14.1 using the criteria identified in 14.6.1.2, and the risk of failure of the pipe bridge, including the risk of the footings of the pipe bridge, or the pipe bridge itself, being undermined by flooding.

14.6.2.6 Antenna and Masts

The Council reserves control over the matters specified in 14.6.1.1.

The Council shall assess applications for Antennas, and Masts identified as Controlled activities in table 14.1 using the criteria identified in 14.6.1.2 and the following;

- a) The extent to which any adverse visual effects of the mast or antenna can be avoided or mitigated by:
 - i) screening or landscaping
 - ii) alternative siting
 - iii) alternative colour or finish selection
- b) Where antennas are proposed to be sited on a building, the extent to which they can be designed, screened or sited so that they form an integral part of the total building design.
- c) The extent to which the mast or antenna can be co-located with similar structures or other buildings to avoid, remedy or mitigate their visual impact, and the extent to which the potential for co-location has been addressed.

14.7 Limited Discretionary Activities - Restrictions and Assessment Criteria

14.7.1 Restrictions and Assessment Criteria for Specific Limited Discretionary Activities

Council may grant or refuse consent for Limited Discretionary activities, and if granted may impose conditions under Section 108 of the RMA. For the purpose of making these decisions Council has restricted the exercise of its discretion in respect of the activities identified below.

14.7.1.1 Restrictions and Assessment criteria for minor utility structures

The Council restricts its discretion to the matters identified in 14.6.2.3 and to height, scale and cumulative effects.

The Council shall assess applications for minor utility structures using the criteria identified in 14.6.2.3.

14.7.1.2 Restrictions and Assessment criteria for public letterboxes and telecommunication kiosks

The Council restricts its discretion to the matters identified in 14.6.1.1 and to height, scale and cumulative effects.

The Council shall assess applications for public letterboxes, postal holding boxes and telecommunication kiosks using the criteria identified in 14.6.1.2.

14.7.1.3 Restrictions and Assessment criteria for above ground service/connection lines and above ground electricity and telecommunication lines

The Council restricts its discretion to the matters identified in 14.6.1.1 and to height and cumulative effects.

The Council shall assess all applications for above ground service/connection lines and above ground electric and telecommunication lines using the criteria identified in 14.6.1.2 and the following:

- i) The adverse visual effect with respect to neighbouring dwellings primarily when viewed from habitable rooms should be avoided, remedied or mitigated where practicable.
- ii) Any potential for co-location, subject to technical limitations, should be pursued so as to minimise the number of structures.
- iii) The extent to which technical and physical constraints and their associated costs restrict the ability to underground any line.

14.7.1.4 Restrictions and Assessment criteria for Replacement of Electricity Transmission Towers

The Council restricts its discretion to the height, location and appearance of the replacement tower.

The Council shall assess applications for tower replacement using the criteria identified in 14.6.2.1.

14.7.1.5 Restrictions and Assessment criteria for Pipe Bridges

The Council restricts its discretion to the matters identified in 14.6.2.5 and to the following;

- The availability of alternative locations and options to a pipe bridge, and amenity effects.

The Council shall assess applications for pipe bridges using the criteria identified in 14.6.2.5 and the following;

- i) The suitability of alternative locations for the pipe bridge
- ii) The suitability of alternatives to a pipe bridge including locating the pipe bridge under the stream bed using trenchless technology, using other devices or possible re-routing to avoid the need for a bridge
- iii) The effect on the amenity of the surrounding area and the integration of the pipe bridge into the surrounding environment by the use of neutral colours, vegetation for screening, and the potential for co-location with existing or proposed bridges or other infrastructure.

14.7.1.6 Restrictions and Assessment criteria for Aerials, Antennas, and Masts and replacement utility structures

The Council restricts its discretion to the matter identified in 14.6.2.6 and to the following;

- a) The maximum height of the mast, the area or diameter of any aerial or antenna, and the numbers of antennas or aerials attached to masts, buildings or replacement utility structures.

The Council shall assess all applications for aerials, antennas, masts and replacement utility structures using the criteria identified in 14.6.2.6 and the following;

- i) If the structure is likely to result in an adverse effect on the environment, whether the location and scale are appropriate having regard to alternative locations or other options.
- ii) These structures are discouraged on prominent ridgelines and hilltops. Where the proposed structure is so located and where significant adverse effects are likely, whether the structure can be placed elsewhere without a disproportionate loss in functionality. Where it is considered necessary that the proposed structure be

located on a ridgeline or hilltop, Council encourages the co-location of network utilities to help reduce the effect on visual amenity.

14.8 Underlying Zoning of Roads

Where a public work or network utility is proposed to be located within the road reserve the underlying zoning shall be deemed to be that of the immediately adjacent land extending to the mid point of the road.

Explanation and Reasons

Roads, proposed roads, road closures, preferred roads, building line restrictions, accessways and service lanes are all indicated on the District Plan maps. All existing roads are designated.

14.9 Designations

14.9.1 Information to be Provided with a Requirement

In the case of any notice of requirement for a designation under Section 168 of the RMA or notice of requirement to alter a designation where information is required under Section 181 of the RMA, the following information shall be provided:

- a) Information specified in the regulations of the RMA, as follows:
 - A statement of reasons why the designation is needed
 - A description of the site, the proposed work and any proposed restrictions
 - A description of the effects the work will have on the environment and how these are to be mitigated (refer to [Appendix 3A: Schedule of Effects](#))
 - A statement of any alternative sites, routes, or methods considered
 - A statement of the consultation with affected persons
 - A statement of resource consents required and if these have been applied for.
- b) The following additional information:
 - Where the requiring authority is a network utility operator as defined in Section 166 of the RMA; a copy of the Gazette notice approving the applicant as a requiring authority, including any specified terms and conditions
 - Sufficient information to be able to understand the nature of the proposed works, that information showing the height, shape and bulk of the work, its location on the site, and vehicular access
 - A statement as to how the work impacts on any relevant provisions of national, coastal and regional policy statements and regional and district plans
 - In the case of designations for state highways, arterial or principal roads; a Noise Management Plan detailing any anticipated additional noise impacts and the measures to be taken to avoid and/or mitigate unreasonable levels of traffic noise. Transit New Zealand's *Guidelines for the Management of Road Traffic Noise* should be used as the basis for assessing noise effects and determining avoidance and/or mitigation measures
 - The proposed sequence and timing of implementation of the work or project shall be provided
 - Proposals for the use and maintenance of those parts of the land which will not be developed for five or more years.

14.9.2 Conditions

After considering a requirement for a designation, the Council may recommend to the requiring authority such conditions as the Council considers appropriate to the work.

14.9.3 Work to be Undertaken on Designated Land

- a) Prior to commencing any work for which a requiring authority has financial responsibility, the information detailed in Section 176A(3) of the RMA shall be provided to the Council, except where:
- The work has been otherwise provided for under the RMA, or
 - The details of the proposed work are incorporated into the designation, or
 - The Council waives the requirement for an outline plan, provided that:
 - i) The requiring authority makes a written application for such a waiver explaining the nature of the proposed work/s. In determining whether to waive the provision of an outline plan of works, Council will have regard to the following assessment criteria:
 - Whether the activity is a Permitted activity for the underlying zone of the designated site, and
 - To what extent there is non-compliance with the provisions of the relevant underlying zone, and
 - Whether the effects resulting from the proposed activity, if any, can be considered to be minor.
 - ii) Any emergency work which the body or person responsible for its construction considers is immediately necessary to meet an emergency situation may be constructed without first advising the Council, if outline drawings of the work are submitted to the Council as soon as practicable after the work has been commenced.
- b) After considering the proposals detailed in the information and drawings, the Council may request the requiring authority to make changes to all or any of the proposals that will, in Council's opinion, avoid, remedy or mitigate any adverse environmental effects.

14.9.4 Activities Not in Accordance with Designation

- a) In accordance with Section 176(1) of the RMA, no person may, without the prior written consent of the requiring authority, do anything in relation to the land that is the subject of the designation that would prevent or hinder the public work or project or work to which the designation relates.
- b) In accordance with Section 176(2) of the RMA, where a proposed activity on designated land is not in accordance with the designated purposes, it shall comply with:
- i) the Rules of the underlying zoning of the land; or
 - ii) be otherwise provided for within this Plan (e.g. as a Temporary activity).

14.9.5 Schedule of Designations

[Appendix 14A](#) identifies the public work, project or work for which land in North Shore City has been designated. The designations are also shown on the District Plan maps.

14.10 Development Controls Relating to Specific Designations

14.10.1 RNZAF Airbase Flight paths

14.10.1.1 Height Restriction Controls

The following controls apply:

- a) Notwithstanding any height controls specified elsewhere in this Plan, no building, structure, mast, pole or tree or other object in the areas identified in Appendix 3 to the District Plan maps shall penetrate any of the surfaces specified in [Appendix 14B](#) and [Appendix 14C](#) to this Plan.
- b) Where two or more height restrictions apply at the same place, the lowest height restriction shall prevail provided that the following shall be excepted from these controls:
 - i) Where terrain penetrates any surface or where terrain is within eight metres of any surface, an object is permitted with a maximum height of eight metres above the ground level.
 - ii) The following additional exemptions apply in respect of electric lines:
 - Nothing in these rules shall prevent the erection of electric lines to a height of not more than 10 metres above ground level
 - Nothing in these rules shall prevent the erection of electric lines to a height of not more than 20 metres above ground level where the centreline of those electric lines are within 5 metres of the centreline of existing electric lines which run between the Albany substation and Glenfield via Greenhithe. (The approximate alignment is indicated on Appendix 3 to the District Plan maps). Provided that, prior to the erection of any lines along this alignment, the RNZAF Operations Group shall be notified. Hazard lighting or marking may be required.

Explanation and Reasons

Height Restrictions

To ensure that the continued operation of aircraft from the NZ Defence Force airfields at Whenuapai and Hobsonville will not be adversely affected by new development which may interfere with the airfield approach and take-off paths and horizontal surfaces, airfield protection measures are imposed on the use of land in the vicinity. The extent of the protection measures is described in Appendix 3 to the District Plan Maps. The measures involve restrictions on the height of buildings and other objects.

1. Need for Restrictions

Height controls are necessary to avoid impairment of the safe operation of aircraft by the penetration of objects or structures into the flight path. The controls are imposed on the height of buildings and objects above mean sea level (i.e. on their altitude).

2. Area Affected

Areas affected are beneath and within the imaginary surfaces shown on Appendix 3 of the District Plan maps and are defined below.

3. Explanation of Imaginary Surfaces

i) Climb and Transitional Surfaces

Climb surfaces are wedge-shaped and rise at specified gradients from their origin at the end of the airfield. As a result, maximum permitted altitude of buildings and objects increases with distance from the airfield.

Transitional surfaces, which restrict altitudes of buildings and objects near the climb surfaces, are imposed on either side of the climb surfaces.

The effect of these surfaces on maximum building altitude is illustrated in [Appendix 14B](#).

ii) Horizontal and Conical Surfaces

Whenuapai Airfield

The horizontal surface is a circular plane extending 4,000 metres out from the centre of the airfield at an altitude of 71.01 metres above mean sea level (AMSL). A sloping plane extends outward to 6,000 metres from the centre of the airfield and upward to an altitude of 171.01 metres AMSL from the edge of the horizontal surface. This is the conical surface.

Hobsonville Airfield

The conical surface is a sloping plane which extends outward and upward from the periphery of an inner circle which has a radius of 400 metres from the centre of the airfield and an altitude of 20 metres AMSL. This conical surface extends 1,750 metres out from the centre of the airfield and to an altitude of 65 metres AMSL. Extending from the edge of the conical surface, a distance of 4,000 metres from the airfield's centre, is another circular plane, the horizontal surface.

The effect of these surfaces on maximum permitted altitude of buildings and other objects is illustrated in [Appendix 14C](#).

4. Detailed Specification

A more detailed specification outlining the layout of the runways, approach and take-off paths and surfaces, horizontal and conical surfaces and airfield reference points, has been lodged with the Council and is available for inspection.

Sub-Clause (ii) is intended to provide for the possible future upgrading of the line.

14.10.1.2 Proposals Which Exceed Height Restrictions

Any person who wishes to carry out any work which is contrary to [Section 14.10.1.1](#) above may make an application under Section 176 of the RMA to the Royal New Zealand Air Force (see below for procedure).

Explanation and Reasons

Underlying Zoning

It is important to note that these height restrictions are separate from and do not replace the controls of the underlying zoning. Where necessary, a resource consent must be sought from the North Shore City Council in the usual manner.

Applications for Consent

Consent under Section 176 of the RMA to carry out works which exceed height controls can be requested through sending applications to the RNZAF Base at Whenuapai.

14.11 Conditions Attached to the Designation of Auckland Prison

Refer to [Appendix 14M](#) for the conditions attached to Designation 120, Auckland Prison.

Explanation and Reasons

The conditions seek to ensure that the penal institution development at Paremoremo is compatible with the Council's objectives for the rural area.

14.12 Refuse Disposal

Explanation and Reasons

There are three public facilities for refuse disposal, refuse transfer and recycling on the North Shore. These are the Devonport Transfer Station and Recycling Centre located along Lake Road opposite the Waitemata Golf Club; the Rosedale Landfill located between Rosedale Road and Greville Road; and the Constellation Drive Refuse Transfer and Recycling Station in Mairangi Bay.

The Rosedale landfill and Constellation Drive Transfer Station are designated by the Auckland Regional Council pursuant to the powers given to it by Section 707AA of the Local Government Act 1974. Operation and management of these facilities is vested in Northern Disposal Systems Ltd, a LATE of the Auckland Regional Services Trust.

The Rosedale landfill currently receives all of the refuse from within the city, from within the North Shore and from various localities beyond the North Shore. The landfill has sufficient capacity to continue operations past the turn of the century. The Council has long held the view that the Rosedale Landfill is not well located to serve as a regional refuse facility because of its impact on local residential properties, its likely effect upon the planned development of the Greville Road area for housing and upon the Council's desire to achieve high urban environmental standards throughout the Albany Basin. Consequently, the Council has resisted proposals for major extensions to the Rosedale landfill, and has instead given planning consent to two limited extensions only. These consents recognised and sought to overcome the short-term difficulties facing the Auckland Regional Council in disposing of the North Shore's refuse. The planning approval given by the Council to the second extension stipulated that there was to be no further expansion of the Rosedale landfill beyond the limits of that consent and imposed a number of conditions on the establishment, operation and management of the landfill.

Issues relating to the landfill designation were again considered in 1996 during the hearing of submissions to the proposed District Plan. As a result, consent to dispose of refuse in the Rosedale landfill expires during the year 2005. The Development Plan for the landfill, showing the finished landform, and the conditions attached to its operation and management are incorporated within the District Plan as [Appendix 14H](#). A Management Plan for the landfill is being prepared by Northern Disposal Systems Ltd in consultation with the Council. This Plan will set out the approved guidelines for the management and operation of the landfill.

The Council's longterm intention for the site as a reserve is indicated by a policy in [Section 19.3.2](#). A possible end use proposal is shown in [Appendix 14I](#). The Council does, however, reserve its right to develop and use the facility in a manner appropriate to the circumstances existing at the time in the future when development and use of the landfill for urban type purposes is possible.

The Council's approval to the second extension was also linked to the establishment of a refuse transfer station at Constellation Drive. The site is suitable in terms of its accessibility and the opportunities it affords for alternative forms of refuse disposal, particularly for composting organic refuse in association with the Albany Sewage Treatment Works. However, although alternative forms of refuse disposal are likely to have a role in a future North Shore refuse strategy, no alternative process will entirely remove the need for some disposal of refuse by landfill. It is necessary, therefore, that the ARC use its lead-time to establish a suitable northern refuse disposal site.

14.13 Exclusion from the Resource Management Act

Section 4(2)(b) of the Resource Management [Act](#) 1991 provides that this Act does not apply to any work or activity of the Crown which the Minister of Defence certifies is necessary for reasons of national security.

A copy of a certificate received in relation to part of a Defence Area at Onetaunga Bay (known as the Royal New Zealand Naval Armament Depot Kauri Point) is included as [Appendix 14L](#).

Appendix 14A Schedule of Designations

The following summarises all of the designations of land identified on the planning maps. Information pertaining to each of the following designations is contained in files available from the Council. Some designations may be subject to conditions relating to matters such as the bulk and location of structures, noise, or other matters to avoid, remedy or mitigate any adverse effects. Reference to the files is recommended in respect of any proposals relating to the designated sites.

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
1	Sunnybrae Normal Primary School Minister of Education	Sunnybrae Road	Residential 4A	25
2	Willow Park Primary School Minister of Education	Eban Ave/ Compton Street	Residential 4A	25
3	Onepoto Primary School Minister of Education	Fraser Avenue	Residential 4A	25
4	Northcote Intermediate School Minister of Education	Lake Road	Residential 4A	25
5	Northcote Primary School Minister of Education	Onewa/Lake Roads	Residential 4A	25
6	Northcote College - School Minister of Education	Kauri Glen Road	Residential 4A	25
7	Vauxhall Primary School Minister of Education	Morrison Avenue	Residential 3A	32
8	Devonport Primary School Minister of Education	Kerr Street	Recreation 2, Residential 3A	32A
9	Stanley Bay School Minister of Education	Glen Road	Residential 3A	31
10	Glamorgan Primary School Minister of Education	Glamorgan Drive	Residential 4B	8
11	Torbay Primary School Minister of Education	Deep Creek Road	Residential 4B	8
12	Northcross Intermediate School Minister of Education	Sartors Avenue	Residential 4B	13
13	Sherwood Primary School Minister of Education	Sartors Avenue	Residential 4B	13,14
14	Browns Bay Primary School Minister of Education	Browns Bay Road	Residential 4B	14
15	Rangitoto College Minister of Education	East Coast Road	Residential 4A	14

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
16	Murrays Bay Primary School and Murrays Bay Intermediate School Minister of Education	Clematis Avenue Sunrise Avenue	Residential 4B	14
17	Albany Senior High School Years 11-13 Minister of Education	536 & 546 Albany Highway	Residential 5	12
18	Mairangi Bay Primary School Minister of Education	Agathis Avenue/ Galaxy Drive	Residential 4B	14,20
19	Birkenhead Primary School Minister of Education	Birkenhead Avenue/ Highbury Bypass/ Mokoia Road	Business 2	24A
20	Beach Haven Primary School Minister of Education	Tramway Road/ Rangatira Road	Residential 4B	23
21	Birkdale North Primary School Minister of Education	Birkdale Road	Residential 4B	23
22	Birkdale Intermediate School Minister of Education	Tiri Tiri/ Birkdale Roads	Residential 4B	23
23	Birkenhead College Minister of Education	Birkdale Road	Residential 4B	23
24	Birkdale Primary School Minister of Education	Birkdale Road/ Salisbury Road	Residential 4B	23
25	Kauri Park Primary School Minister of Education	Kia Ora Road Rangatira Road	Residential 4B	23
26	Chelsea Primary School Minister of Education	Onetaunga Road/ Chelsea View Drive	Residential 4B	29
27	Education Purposes (years 0-8), Sports Field for Educational Purposes (years 0-13) and Early Childhood Education Centre Minister of Education	Ralph Eagles Place	Long Bay 1B/ Long Bay 2	8
28	Long Bay College Minister of Education	Ashley Avenue	Long Bay 2	8
29	Albany Primary School Minister of Education	Bass Road	Residential 5	12

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
30	Ridge View School Minister of Education	Cutts Crescent	Rural 1	17
31	Greenhithe Primary School Minister of Education	Isobel Road/ Greenhithe Road	Residential 1	17,18
32	Designation removed as of 29 October 2012			
33	Bay View Primary School Minister of Education	Bayview Road	Residential 4A	19
34	Manuka Primary School Minister of Education	Manuka Road	Residential 4A	19
35	Glenfield Intermediate School Minister of Education	Chivalry Road/Avalon Place	Residential 4A	19,20,24 25
36	Sunnynook Primary School Minister of Education	Lyford Crescent/ Wylie Avenue	Residential 4A	20
37	Wairau Intermediate School Minister of Education	Becroft Drive	Residential 4A	20
38	Target Road Primary School Minister of Education	Target Road/ Sunnynook Road	Residential 4A	20
39	Wairau Valley Special School (IHC) Minister of Education	Hillside Road	Residential 4A	20
40	Campbells Bay Primary School Minister of Education	Aberdeen Road	Residential 4A	20,21
41	Forrest Hill Primary School Minister of Education	Forrest Hill Road	Residential 4A	20
42	Westlake Boys High School Minister of Education	Forrest Hill Road	Residential 4A	20,25
43	Milford Primary School Minister of Education	Shakespeare Road	Residential 4A	21
44	Glenfield Primary School Minister of Education	Chivalry Road	Residential 4A	24
45	Marlborough Primary School Minister of Education	Wykeham Place/Archers Road	Residential 4A	24, 25
46	Verran Road Primary School Minister of Education	Verran Road	Residential 4A	24
47	Windy Ridge Primary School Minister of Education	Seaview Road	Residential 4A	24

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
48	Glenfield College Minister of Education	Kaipatiki Road	Residential 4A	24
49	Takapuna Normal Intermediate School Minister of Education	Northcote Road	Residential 4A	25
50	Westlake Girls High School Minister of Education	Wairau Road	Residential 4A	25
51	Hauraki Primary School Minister of Education	Jutland Road	Residential 4A	26
52	Belmont Intermediate School Minister of Education	Lake Road Winscombe Street Belmont	Residential 4A	26,27
53	Bayswater Primary School Minister of Education	Bayswater Avenue Roberts Avenue	Residential 4A	26,27
54	Takapuna Grammar School Minister of Education	Lake Road St Leonards Road	Residential 4A	26,27
55	Takapuna Primary School Minister of Education	Anzac Street/ Killarney Street	Residential 4A	26A
56	Belmont Primary School Minister of Education	Harrison Avenue/ School Road	Residential 4A	27
57	Primary School Minister of Education	Spencer Road	Residential 4A	13
58	Motorway Administration and Maintenance (TNZ, NZ Police), Transit New Zealand and Minister of Police	28 Sulphur Beach Road	Residential 7	30
59	Police Purposes Community Policing Centre Minister of Police	365 Glenfield Road	Residential 6A1	24
61	Police Purposes Albany Police Centre Minister of Police	Library Lane	Albany Centre Expansion	12
62	Browns Bay Police Station Minister of Police	Clyde Road/ Browns Bay	Business 2	14
63	Future Substation United Networks Limited	Bush Road	Business 10	19
64	Substation - Browns Bay United Networks Limited	Andersons Road	Area D - Varied Residential	13

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
65	Substation -Belmont United Networks Limited	161/167 Bayswater Avenue	Residential 4A	26
66	Substation - Birkdale United Networks Limited	Eskdale Road	Recreation 1	24
67	Substation - Balmain Road United Networks Limited	5A Balmain Road	Residential 2A	24
68	Substation - East Coast Road United Networks Limited	497 East Coast Road	Residential 4B	14
69	Substation - James Street United Networks Limited	James Street	Residential 4A	19
70	Substation United Networks Limited	Kyle Road Greenhithe Road	Area D - Varied Residential	18
71	Substation - Hauraki United Networks Limited	Jutland Road	Residential 4A	26
72	Substation - Highbury United Networks Limited	Highbury By- Pass	Business 2	24A
73	Substation - Milford United Networks Limited	East Coast Road	Residential 4A	21
74	Substation - Northcote United Networks Limited	Lake Road, Northcote	Recreation 2	25
75	Substation - Sunset Road United Networks Limited	Sunset Road	Business 9	19
76	Substation - Hillcrest United Networks Limited	33/35 Northcote Road	Residential 2B	25
77	Substation - Torbay United Networks Limited	40A Glenvar Road	Residential 4B	8
78	Substation - Wairau Road United Networks Limited	Wairau Road	Recreation 4	25
79	Substation - Waiake United Networks Limited	53 Carlisle Road	Residential 4B	8
80	Substation - Forrest Hill United Networks Limited	248A East Coast Road	Residential 4A	20
81	Substation - Takapuna United Networks Limited	29 Huron Street	Residential 6A	26A
83	Communications Hut (Radio) United Networks Limited	State Highway 1	Rural 2	11
85	Electricity Substation Transpower NZ Ltd	Bass Road	Residential 5	12

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
88	Defence Purposes (see Appendix 14N) Minister of Defence	Vauxhall Road	Residential 6C Recreation 1	32
89	Defence Purposes (see Appendix 14N) Minister of Defence	Torpedo Bay	Recreation 3	32
90	Defence Purposes (see Appendix 14N) Minister of Defence	Kauri Point	Recreation 1	28,29
91	Defence Purposes (see Appendix 14N) Minister of Defence	South Yard/ Calliope Road/Queens Parade	Residential 7 Residential 3A,3C Business 9	31,32, 32A
92	Defence Purposes (see Appendix 14N) Minister of Defence	North Yard/ Jim Tichener Parade	Residential 7 Recreation 4 Recreation 1	31,32, 32A
93	Buildings, masts, antennae, aerials and lines and other land uses for telecommunication and radiocommunication purposes Telecom New Zealand Limited Telecom Mobile Limited	Mokoia Road	Business 2	24A
94	Buildings, masts, antennae, aerials and lines and other land uses for telecommunication and radiocommunication purposes Telecom New Zealand Limited Telecom Mobile Limited	5 Birkdale Road	Residential 4B	24
95	Buildings, masts, antennae, aerials and lines and other land uses for telecommunication and radiocommunication purposes Telecom New Zealand Limited Telecom Mobile Limited	Lake Road/ Mozeley Avenue	Residential 3A	32A
96	Water Supply Purposes - Reservoir and Pumping Station Watercare Services Limited	Corner Albany Highway and Sunset Road	Residential 5	19
97	Water Supply Purposes - Water Pumping Station and Future Reservoirs Watercare Services Limited	Schnapper Rock Road	Rural 3	18
98	Water Supply Purposes - Reservoir and Pumping Station Watercare Services Limited	106 Pupuke Road	Residential 4A	25
99	Water Supply Purposes - Pumping Station Watercare Services Limited	Killarney Street	Recreation 1	26

Section 14: Network Utilities and Designations

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
100	Water Supply Purposes - Reservoirs Watercare Services Limited	Waipa Street/ Verran Road	Recreation 4	24
101	Water Supply Purposes - Reservoir Watercare Services Limited	Corner of Albany Highway and Upper Harbour Drive	Rural 3A	19
102	Water Supply Purposes - Reservoir Watercare Services Limited	Corner Browns Bay Road and East Coast Road	Residential 4B	14
103	Water Supply Purposes - Reservoir Watercare Services Limited	Corner of Kowhai Road and East Coast Road	Residential 4B	20
104	Water Supply Purposes - Reservoir and Pumping Station Watercare Services Limited	Forrest Hill Road	Recreation 2	20
105	Water Supply Purposes - Proposed Reservoir Watercare Services Limited	Spencer Road	Recreation 2, Business 7C	13
107	Works Depot: Auckland Harbour Bridge Transit NZ Authority	Princes Street	Residential 3C	30
108	North Anchorage: Auckland Harbour Bridge. Transit NZ Authority	Princes Street	Recreation 2	30
109	Works Access: Auckland Harbour Bridge Transit NZ Authority	Princes Street	Residential 3C	30
110	Auckland-Waiwera Motorway (State Highway One), including planning, design, supervision, construction and maintenance in accordance with the Transit New Zealand Act 1989. Transit NZ Authority		Various	13,19,20, 25,26,30
111	Proposed Motorway (Auckland/Waiwera Motorway State Highway One), including planning, design, supervision, construction and maintenance in accordance with the Transit New Zealand Act 1989. Transit NZ Authority		Area D - Varied Residential, Albany Centre Expansion, Business 6,7C, Residential 5 Area A - Environmental Protection	7,13

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
112	State Highway One, including planning, design, supervision, construction and maintenance in accordance with the Transit New Zealand Act 1989. Transit NZ Authority		Various	11,12,13
113	State Highway 18: the control, management and improvement of the State Highway, including planning, design, research, construction, operation and maintenance relating to all land within the State Highway designation and in accordance with the Transit New Zealand Act 1989. Transit NZ Authority		Various	19,20
114	State Highway 18: the control, management and improvement of the State Highway, including planning, design, research, construction, operation and maintenance relating to all land within the State Highway designation and in accordance with the Transit New Zealand Act 1989. Transit NZ Authority		Various	18,19,22, 23
115	Designation removed as at 6 June 2006			
116	Refuse Disposal Purposes Auckland Regional Council	Rosedale Road/Greville Road	Residential 5 Recreation 4	13
117	Regional Park Auckland Regional Council Long Bay Regional Park Management Plan	Beach Road/ Long Bay	Recreation 1,2,3	4,8
119	Auckland Prison Reservoir Minister of Corrections	Attwood Road/ Paremoremo Road	Rural 1	17
120	Auckland Prison Minister of Corrections (see Appendix 14M)	Paremoremo Road	Rural 1	16,17
121	Proposed Service Lane North Shore City Council	Rothesay Bay Shopping Centre	Business 1	14
123	Proposed Service Lane North Shore City Council	Highbury Commercial Centre	Business 2	24A

Section 14: Network Utilities and Designations

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
125	Proposed Service Lane North Shore City Council	Between Clarence Street and Fleet Street, Devonport	Business 2	32A
126	Proposed Service Lane North Shore City Council	Browns Bay Shopping Centre	Business 2	14
127	Proposed Service Lane North Shore City Council	Highbury Commercial Centre	Business 2	24A
128	State Highway 18: the control, management and improvement of the State Highway, including planning, design, research, construction, operation and maintenance relating to all land within the State Highway designation and in accordance with the Transit New Zealand Act 1989. Transit NZ Authority		Various	18,19
129	Public Car Parks North Shore City Council	Highbury Commercial Centre	Business 2, Special Purpose 9, Recreation 2	24A
130	Public Car Park North Shore City Council	Beach Haven Shops	Business 1	23
131	Public Car Park North Shore City Council	Anzac Road, Browns Bay	Business 2	14
132	Proposed Public Car Park North Shore City Council	Anzac Road, Browns Bay	Business 2	14
133	Proposed Public Car Park North Shore City Council	Bute Road, Browns Bay	Business 2	14
134	Public Car Park North Shore City Council	Beach Road, Murrays Bay	Business 1	14
135	Public Car Park North Shore City Council	Montrose Terrace, Mairangi Bay	Business 2	14
136	Public Car Park North Shore City Council	Northcote Commercial Centre	Business 2	25
137	Public Car Park North Shore City Council	Hauraki Corner	Business 2	26
138	Designation removed as at 6 June 2006			
139	Public Car Park North Shore City Council	Northcroft Street	Business 3	26A

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
140	Public Car Park North Shore City Council	Anzac Street, Lake Road	Business 3	26A
141	Public Car Park North Shore City Council	Kitchener Road, Milford	Business 2	21
143	Pedestrian Mall North Shore City Council	Northcote Commercial Centre	Road	25
144	Pedestrian Mall North Shore City Council	Howard Road	Road	25
145	Public Car Park North Shore City Council	Fleet Street, Devonport	Business 2	32A
154	Proposed Road North Shore City Council	Kaipatiki Bridge Link	Recreation 2	23,24
156	Proposed Road North Shore City Council	Between Remu Place and Tauhinu Road, Greenhithe	Residential 1	22
157	Substation - Albany Centre United Networks Ltd	Corner of Don McKinnon Drive and Civic Crescent, Albany	Special Purpose 11	13
158	Primary School Ministry of Education	Oteha Valley Road	Area D - Varied Residential	13
159	Junior High School (Years 7-10) [and for the 2009 academic year only] Albany Junior High School (Years 7-10) and Albany Senior High School (Year 11) [and for the 2010 academic year only] Albany Junior High School (Years 7-10) and Albany Senior High School (Year 11-12) Ministry of Education	Appleby Road Albany Highway	Residential 5, Area D - Varied Residential	18
160	State Highway 18: the control, management and improvement of the State Highway, including planning, design, research, construction, operation and maintenance relating to all land within the State Highway designation and in accordance with the Transit New Zealand Act 1989. Transit NZ Authority		Various	18, 19, 22, 23

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
161	Constellation Bus Station: to construct, operate and maintain a busway station and park-and-ride facility. North Shore City Council	Constellation Drive, Parkway Drive	Business 9	19
162	Albany Bus Station: The construction, operation and maintenance of a busway station, park-and-ride facility, public car-parking as a secondary purpose as long as it does not negatively affect the primary park-and-ride facility, and associated works.	Pt Lot 4 DP 10351, Pt Lots 2 and 3 DP 51023 and Pt Lot 4 DP 198079 in Albany between Oteha Valley Road, McClymonts Road and the Northern Motorway.	Business 11 (Albany Sub-Regional)	13
163	Wastewater Treatment Plant Odour Buffer	Rosedale Park, and reserves, roads and motorway in the vicinity of the Wastewater Treatment Plant	Recreation 4, Recreation 2, Special Purpose 3, Road	19, 13, 20
164	Wastewater Treatment Plant	Wastewater Treatment Plant and underground route of outfall to Mairangi Bay via various properties and roads including Maxwellton Drive, Ramsgate Terrace and Sidmouth Street	Special Purpose 3, Recreation 2, Recreation 3, Recreation 4, Residential 4A and road	13, 14, 19, 20
166	To widen Esmonde Road between Lake Road and the Little Shoal Bay Bridge. North Shore City Council	Esmonde Road between Lake Road and the Little Shoal Bay Bridge	Various	26
167	To widen Lake Road between Jutland Road and Esmonde Road North Shore City Council	Lake Road between Jutland Road and Esmonde Road	Residential 4A	26
168	Primary School and Facilities for Early Childhood Education Ministry of Education	140 Kyle Road Greenhithe	Area D Varied Residential	18

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
169	The North Shore Busway: For the construction, operation and maintenance of a State highway with provision for bus and high occupancy vehicle rapid transit facilities. Transit New Zealand	Land on the eastern side of the existing northern motorway, between the Auckland Harbour Bridge and Constellation Drive	Various	19, 20, 25, 26, 30 (Also Appendix 9 of the District Plan Maps)
170	Constellation Drive Station: For the construction, operation and maintenance of roads, buildings, facilities and amenities and park and ride facilities (including a Busway control room and any ancillary structures, works and activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles. Transit New Zealand	Land adjacent to the Northern Motorway (East side) at Constellation Drive Interchange	Business 9	19 (Also Appendix 9 of the District Plan Maps)
171	Onewa Rd/Sylvan Avenue Intersection: To enable modifications to be undertaken in the vicinity of the Onewa Rd/Sylvan Ave intersection, to provide priority access to the Busway for buses/high occupancy vehicles, and improving the safety and efficiency of the intersection and the Onewa Interchange. North Shore City Council	The vicinity of the Onewa Rd/Sylvan Ave intersection	Residential 2B and Residential 4A	30 (Also Appendix 9 of the District Plan Maps)
172	Akoranga Station: for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles. North Shore City Council	Barrys Point Reserve, adjacent to the northern motorway	Recreation 1	26 (Also Appendix 9 of the District Plan Maps)
173	Akoranga Station Link Rd: for the construction, operation and maintenance of a road. North Shore City Council	Barrys Point Reserve, between Akoranga Bus Station and Fred Thomas Drive	Recreation 2 and Recreation 1	26 (Also Appendix 9 of the District Plan Maps)
174	Akoranga Pedestrian Overbridge: for the construction, operation and maintenance of a pedestrian overbridge. North Shore City Council	Land and airspace next to and above the Northern Motorway, in the vicinity of the Esmonde Rd/Akoranga Drive Motorway Interchange	Special Purpose 2 and Recreation 1	25, 26 (Also Appendix 9 of the District Plan Maps)

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
175	Westlake Station: for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles. North Shore City Council	Smales Farm/ Westlake Girls High School	Business 7A and Residential 4A	25 (Also Appendix 9 of the District Plan Maps)
176	Sunnynook Station: for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles. North Shore City Council	The eastern side of the Northern Motorway at Sunnynook Rd	Residential 4A and Residential 6A	20 (Also Appendix 9 of the District Plan Maps)
177	Constellation Drive Station: for the construction, operation and maintenance of roads, buildings, facilities and amenities and park and ride facilities (including a Busway control room and any ancillary structures, works and activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles. North Shore City Council	Next to the motorway, at the Constellation Drive Interchange	Business 9	19 (Also Appendix 9 of the District Plan Maps)
178	Fred Thomas Drive Extension: for the construction, operation and maintenance of a road. North Shore City Council	Barrys Point Reserve	Business 9 and Recreation 2	26 (Also Appendix 9 of the District Plan Maps)
179	The installation, maintenance, repair, replacement, inspection and operation of one 110kV underground electricity transmission line and associated telecommunication cables and the minor above ground structures associated therewith, within a corridor indicated on the District Plan maps. Vector Limited	From Albany Highway (opposite substation) to Rosedale Road via George Pannill Reserve, across WWTP site and Rosedale Park North and South to northern motorway SH1 (at Constellation Drive); and along Currys Lane (south of Tristram Avenue)	Various	12, 13, 19, 20

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
179A	The installation, maintenance, repair, replacement, inspection and operation of two 220kV underground electricity transmission lines (two cable circuits comprising six single core cables) and associated telecommunication cables and the minor above ground structures associated therewith, within a corridor indicated on the District Plan maps Transpower New Zealand Limited ("Transpower")	From Albany Highway (opposite substation) to Rosedale Road via George Pannill Reserve, across WWTP site and Rosedale Park North and South to northern motorway SH1 (at Constellation Drive)	Various	12, 13, 19
180	Regional Park Purposes Auckland Regional Council	Beach Road/ Long Bay	Residential Expansion Zone	8
181	Auckland University of Technology - Akoranga Campus Educational and associated activities Ministry of Education	Akoranga Drive	Special Purpose 2 - Education	25
182	Kohanga Reo and Composite School (Kura Kaupapa and Wharekura) Ministry of Education	Ceres Court, Albany	Business 7B	14
183	Wairau Road/Taharoto Road/ Transport Corridor widening and associated works North Shore City Council	Forrest Hill Road Intersection/ Wairau Road/ Taharoto Road/ Shakespeare Road intersection	Various	25
184	Broadcasting and Telecommunications Facility including ancillary and associated purposes. Kordia™ Limited Note: Designation 184 overlays Designation 102	192 Browns Bay Road, Browns Bay	Residential 4B	14
185	Substation - Glenvar Rd, Torbay Vector Limited	Glenvar Rd Torbay	Rural 2	7
186	Library Purposes: To provide for the redevelopment, operation and maintenance of the Devonport Library and ancillary activities Auckland Council	R2 Victoria Road, Devonport	Recreation 1	32A

Section 14: Network Utilities and Designations

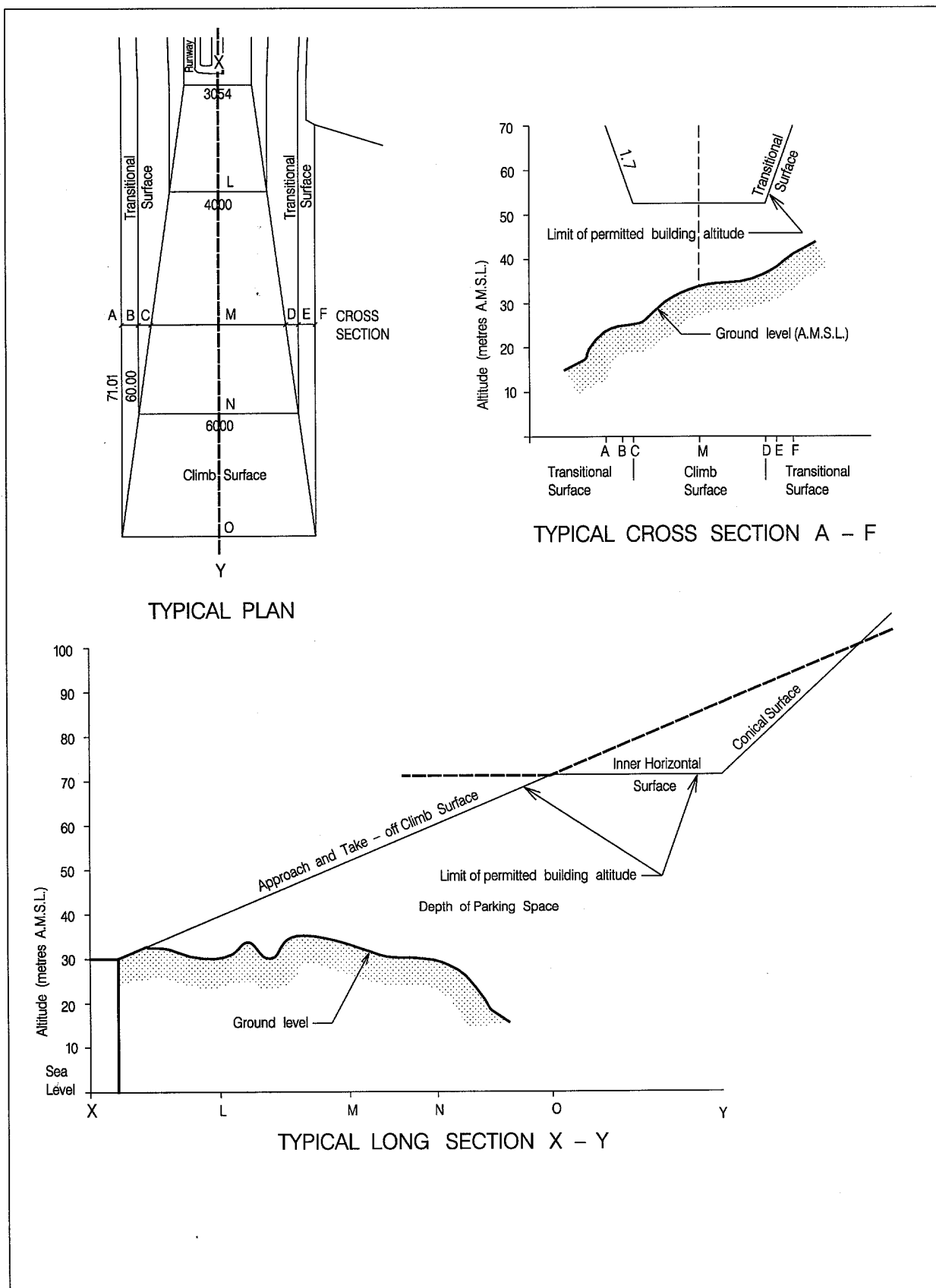
Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
187	To amend existing road designation to provide for road widening to improve traffic flow at the Diana Drive/Chivalry Road/Chartwell Avenue Intersection, Glenfield Auckland Council	Diana Drive/ Chivalry Road/ Chartwell Road Intersection, Glenfield	Residential 4A	24
188	To amend existing road designation to provide for road widening to improve traffic flow at the intersection of Kaipatiki Road and Glenfield Road, Glenfield Auckland Council	2 Kaipatiki Road, Glenfield (portion of Lot 2 DP 45657)	Residential 7	24
189	Anzac Street Upgrading Auckland Council	Between Auburn Street and Taharoto Road, Takapuna	Various	26
190	Road - to widen and upgrade Albany Highway between Schnapper Rock Road/Bush Road to State Highway 17 and all associated works. Auckland Transport Conditions apply to this designation. Refer to Auckland Council to view the conditions.	Albany Highway from Schnapper Rock Road/ Bush Road to State Highway 17, Albany	Various	12, 18
192	Torbay Kindergarten Ministry of Education Conditions apply to this designation. Refer to Auckland Council to view the conditions.	141 Deep Creek Road, Torbay	Residential 2B	8
194	Electrical Works (Substation) Vector Limited Conditions apply to this designation. Refer to Auckland Council to view the conditions.	115 Rosedale Road, Pinehill	Business 10	13
195	Chorus (subject to secondary designation by Telecom)	356 Glenvar Road, Torbay	Residential 4B	7
196	Telecom (secondary designation)	356 Glenvar Road, Torbay	Residential 4B	7
197	Chorus (subject to secondary designation by Telecom)	634 Beach Road, Browns Bay	Residential 4A	14
198	Telecom (secondary designation)	634 Beach Road, Browns Bay	Residential 4A	14
199	Telecom	69 Stredwick Drive, Torbay	Residential 4B	8

Section 14: Network Utilities and Designations

Reference Number	Purpose and Authority	Location	Underlying Zoning	Map Reference
200	Chorus (subject to secondary designation by Telecom)	363 Albany Highway	Business 9	12
201	Telecom (secondary designation)	363 Albany Highway	Business 9	12
202	Telecom	9 Mayfield Road, Glenfield	Residential 4A	19
203	Telecom	1 Akoranga Drive, Northcote	Business 9	25
204	Chorus	161 Forrest Hill Road, Forrest Hill	Residential 4A	20
205	Chorus	43 Greenhithe Road, Greenhithe	Residential 1	18
206	Chorus	187 Hurtsmere Road, Takapuna	Residential 6a	26A
207	Wastewater Purposes- Pump Station and Storage Tank	37 Fred Thomas Drive, Takapuna	Business 9	26
208	The construction, operation and maintenance of a new road and improvements to the existing Gills Road Auckland Transport	Between Gills Road, Albany (south of Living Stream Road) to Oteha Valley Road (opposite Appian Way), from south of Living Stream Road along Gills Road to east of Lucas Creek bridge	Various	12, 13
209	Construction, operation and maintenance of a new road link and associated wetland and improvements to the existing Glenvar Road Auckland Transport	Glenvar Ridge Road	Long Bay 1B, Long Bay 2, Long Bay 3A, Long Bay 6	7, 8
210	Construction for educational purposes Minister of Education	Ashley Reserve	Recreation 4	8

Refer to Legend of District Plan maps	All existing roads, service lanes and accessways which are vested in Council but which are not indicated by a designation number on the District Plan maps
Refer to Legend of District Plan maps	All proposed roads to be closed where the road is vested in Council but which are not indicated by a designation number on the District Plan maps
Refer to Legend of District Plan maps	All proposed reserves which are not indicated by a designation number on the District Plan maps

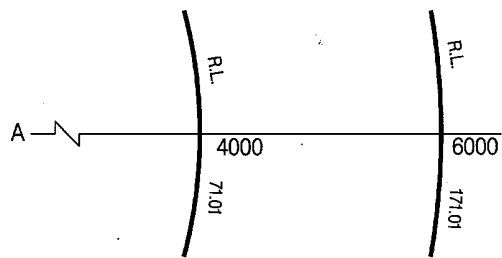
Appendix 14B: Approach and Take-Off Climb Surfaces and Transitional Surfaces



Appendix 14C: Horizontal and Conical Surfaces

WHENUAPAI AIRFIELD

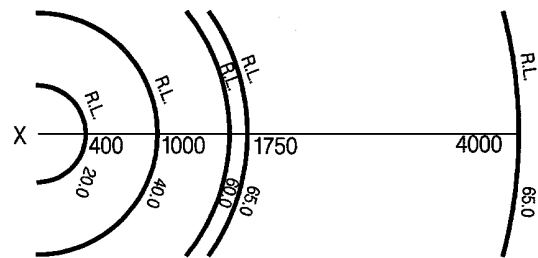
Horizontal and Conical surfaces



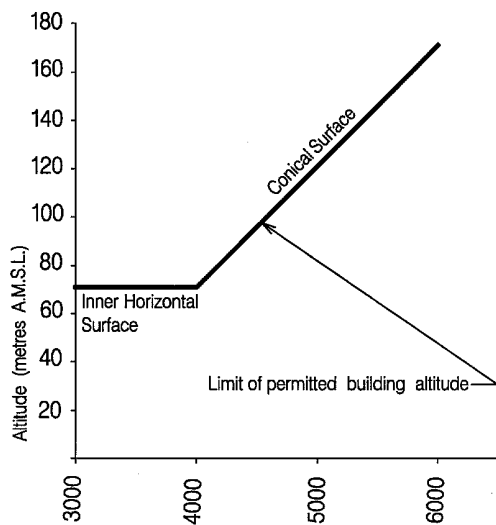
A = The centre of Whenuapai Airfield

HOBSONVILLE AIRFIELD

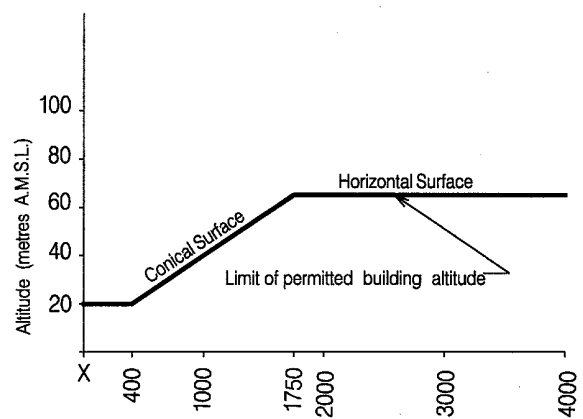
Horizontal and Conical surfaces



X = The centre of Hobsonville Airfield

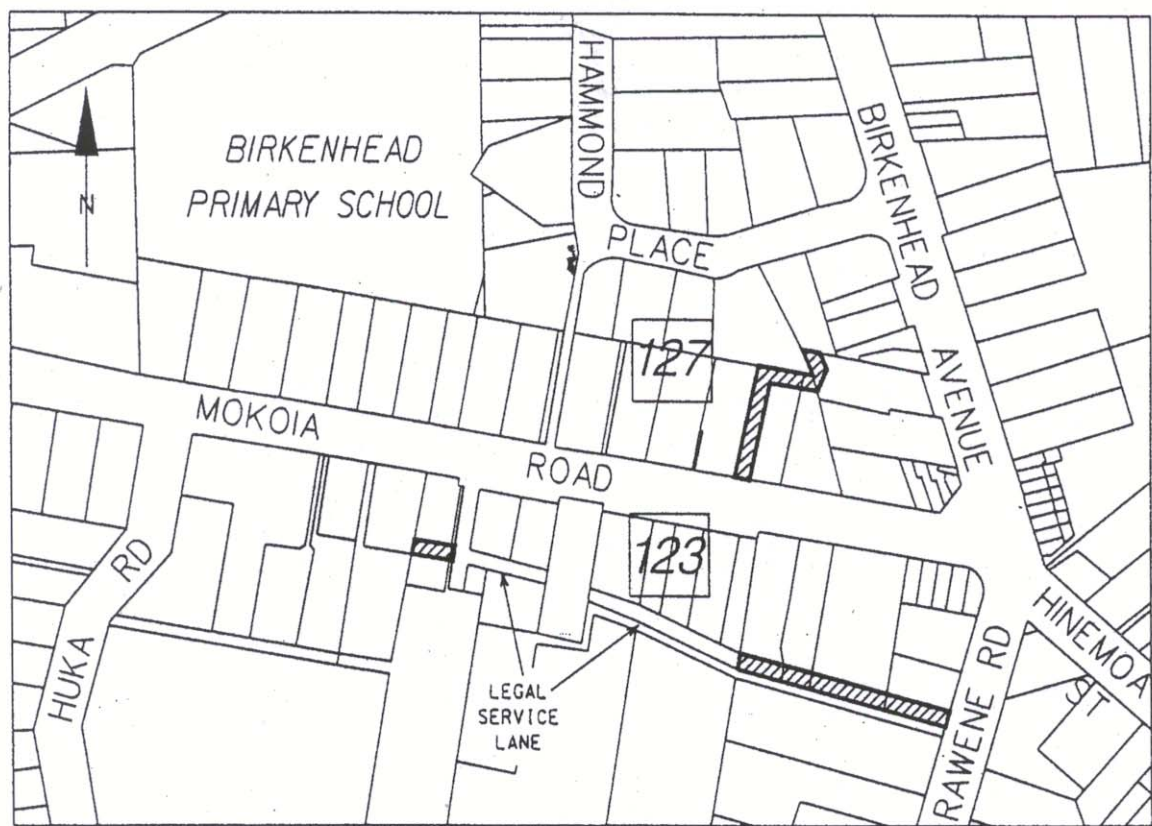


DISTANCE FROM CENTRE OF
WHENUAPAI AIRFIELD



DISTANCE FROM CENTRE OF
HOBSONVILLE AIRFIELD

Appendix 14D: Proposed Service Lanes



HIGHBURY Map 24 & 29

Scale 1 : 3000

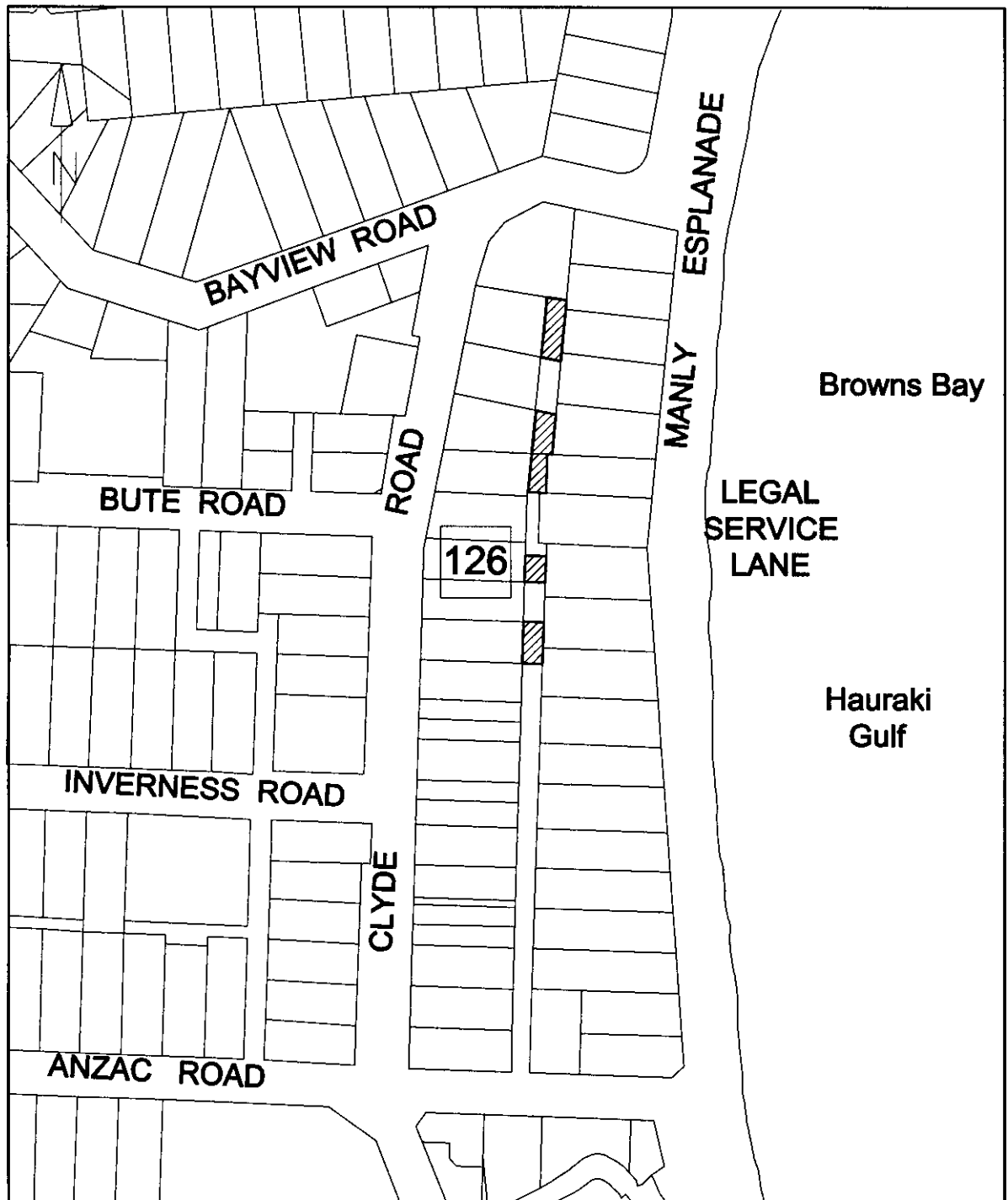
LÉGEND

 Proposed service lanes

 123

Designation number

Appendix 14E: Proposed Service Lane



BROWNS BAY MAP 14

Scale 1:3000

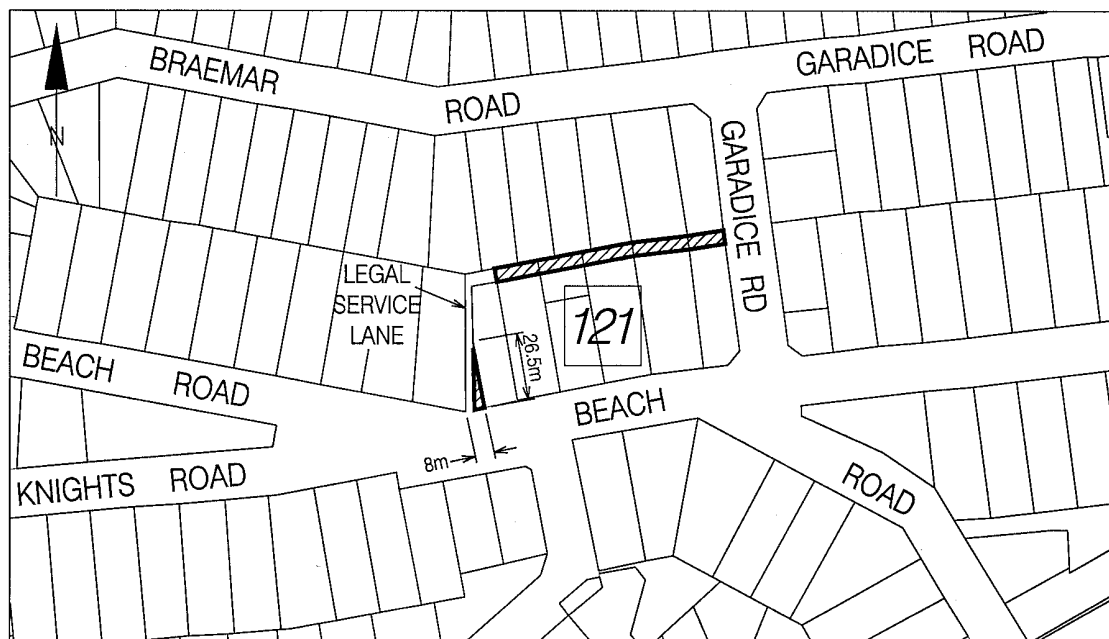
LEGEND

 Proposed service lanes

126

Designation number

Appendix 14F: Proposed Service Lanes



ROTHESAY BAY Map 14

Scale 1 : 3000

LEGEND

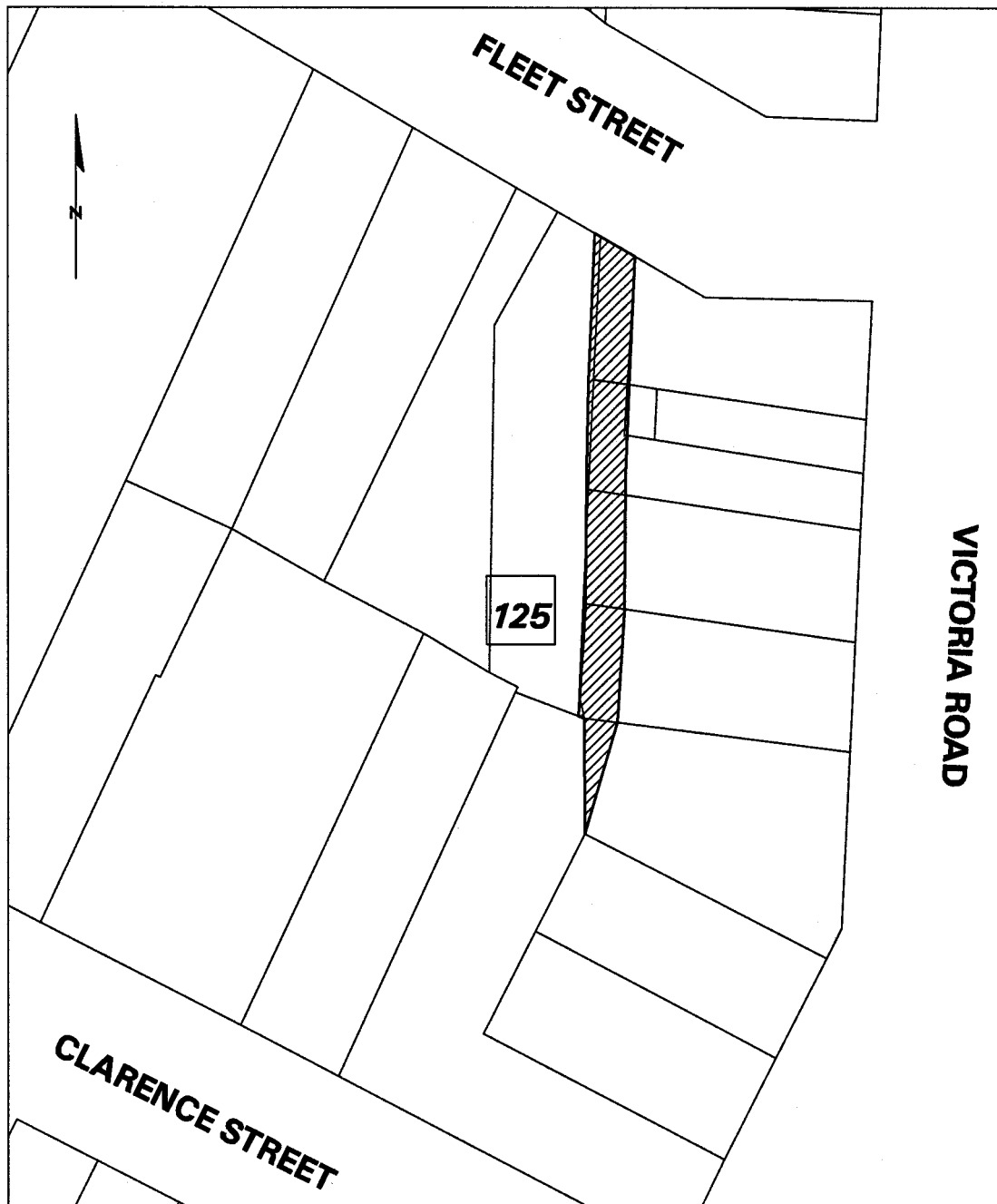


Proposed service lanes

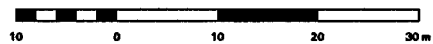


Designation number

Appendix 14G: Proposed Service Lane



DEVONPORT MAP 32



LEGEND

 Proposed Service Lanes

125

Designation Number

Appendix 14H: Development Plan For the Designation of Refuse Disposal Purposes at Rosedale Road

i) Operation and Management Conditions Attached to the Designation.

1.0 Major Control Requirements

- 1.1 The development of the Rosedale Landfill (hereinafter referred to as the 'landfill') shall proceed in accordance with the provisions of the Development Plan included in [Appendix 14H](#).
- 1.2 The landfill shall be operated in conjunction with a refuse transfer station and shall not be open to the general public except in an extreme emergency.
- 1.3 All vehicles shall enter and leave the landfill from Greville Road and no vehicle access shall be permitted from Rosedale Road.
- 1.4 Except insofar as is necessary to construct vehicle access as soon as practical from the Stage 1 extension to Greville Road, as required in Condition 4 of Major Control Requirements of the Consent Order for the Rosedale Landfill Stage 1 Extension, the Auckland Regional Council shall not commence landfill until both the present landfill and the Stage 1 extension are full.
- 1.5 There shall be no consent given at any stage in the future to the further extension of refuse disposal facilities at or within the vicinity of Rosedale Road.
- 1.6 That refuse disposal on the landfill site shall cease in the year 2005.
- 1.7 The landfill shall be operated and developed so that the final levels of refuse landfill and restoration works shall comply with the levels depicted on the Development Plan, except insofar as any modification may be agreed between the ARC and the city Council. It is acknowledged that this obligation shall be satisfied as soon as practicable after the refuse landfill is complete and following satisfaction of the obligation at that time, the ARC shall not have a continuing obligation in this regard.
- 1.8 All works of an engineering nature shall require approval of the city Engineer.

2.0 Establishment Works

- 2.1 The ARC shall obtain all necessary water rights from the Regional Water Board for the collection and disposal of leachate and shall comply with the terms and conditions of these rights.
- 2.2 The ARC shall obtain all necessary water right and engineering approvals from the city Council for sediment erosion and silt collection, and for the construction of the proposed culvert to carry the flow of the tributary to the Oteha Stream through the landfill site, as well as for such connecting pipes as are required for the tributary stream in the culvert beneath Greville Road, the runoff from existing landfill areas, natural seepage and the like.
- 2.3 The ARC shall place a seal of clay compacted to a minimum depth of one metre over the top of the culvert. This clay seal shall be provided to the satisfaction of the Regional Water Board to ensure that leachate is directed to the leachate drain, and to the satisfaction of the city Council to ensure that sound engineering practice is followed.
- 2.4 The ARC shall obtain engineering approval from the city Council for an overland flow path for the tributary stream, this flow path being maintained at each stage in the operation of the landfill as well as in the ultimate development of the land for recreational purposes. However, the ARC is advised that it may be necessary for the Council

to obtain the approval of the Regional Water Board to a modification of Water Right No. 833824 held by the Council.

- 2.5 The overland flow path shall be designed to come into operation immediately the upstream detention pond has reached its design peak level.
- 2.6 The ARC shall construct drains for the collection of leachate. These drains shall be provided to the satisfaction of the Regional Water Board to convey leachate from the landfill to a proposed leachate recirculating system or to the existing 80mm leachate pumping main to the North Shore Drainage Board treatment plant and to the satisfaction of the city Council to ensure that sound engineering practice is followed.
- 2.7 The entrance and access road off Greville Road, including such widening of the carriageway as may be necessary, shall be designed, constructed and sealed to the satisfaction of the city Council.
- 2.8 The internal road giving access to the disposal site shall be sealed from Greville Road to the wheelwash.
- 2.9 The wheelwash facility shall be designed to the satisfaction of the city Council and maintained in a manner that at all times ensures the effective cleaning of vehicles leaving the landfill.
- 2.10 The excavation of cover material by earthmoving machinery shall only occur between the hours of 7.00 am and 8.30 pm, Mondays to Saturdays. There shall be no excavation on Sundays.
- 2.11 The ARC shall ensure that all earthmoving machinery is equipped with effective mufflers.
- 2.12 Screen planting along the Greville Road frontage and eastern boundary of the landfill shall commence during the first planting season after the requirement is finally confirmed. In this regard a planting plan shall be prepared by the ARC and approved by the city Council prior to planting commencing. The planting plan shall determine which existing trees and vegetation shall be retained.
- 2.13 Such fire breaks shall be provided around the edge of the disposal site as may be required by the New Zealand Fire Service.
- 2.14 All signage shall be the subject of separate planning approval.

3.0 Landfill Management and Operations

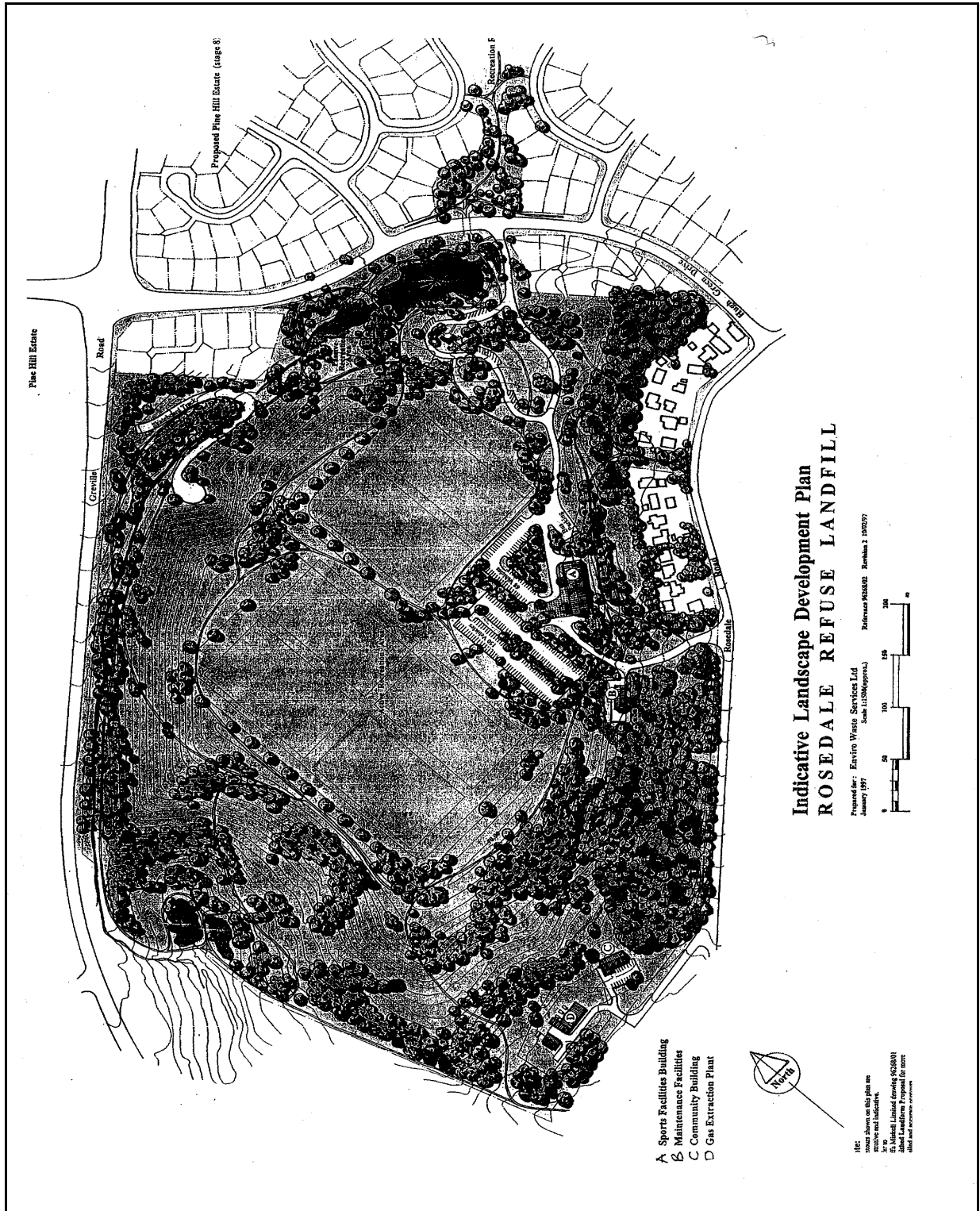
- 3.1 All landfill operations shall be under the direct supervision of the ARC.
- 3.2 At the end of each day refuse shall be covered either with soil or fine mesh netting. The manner for dealing with refuse left overnight shall be monitored and the Medical Officer of Health shall have the right to direct that it be covered with soil should he/she consider that this practice is necessary.
- 3.3 The ARC shall deal with hazardous wastes in accordance with its Refuse Disposal Baylaw 1976.
- 3.4 Immediate and effective action shall be taken to deal with refuse that is particularly objectionable because of smell.
- 3.5 Immediate and effective action shall be taken to eliminate vermin or insect infestation should this become evident. Where necessary, this action shall include an ongoing programme of eradication.
- 3.6 Should the ARC devise an acceptable technique for effectively stopping seagulls from gathering at the landfill, it shall apply this technique immediately.

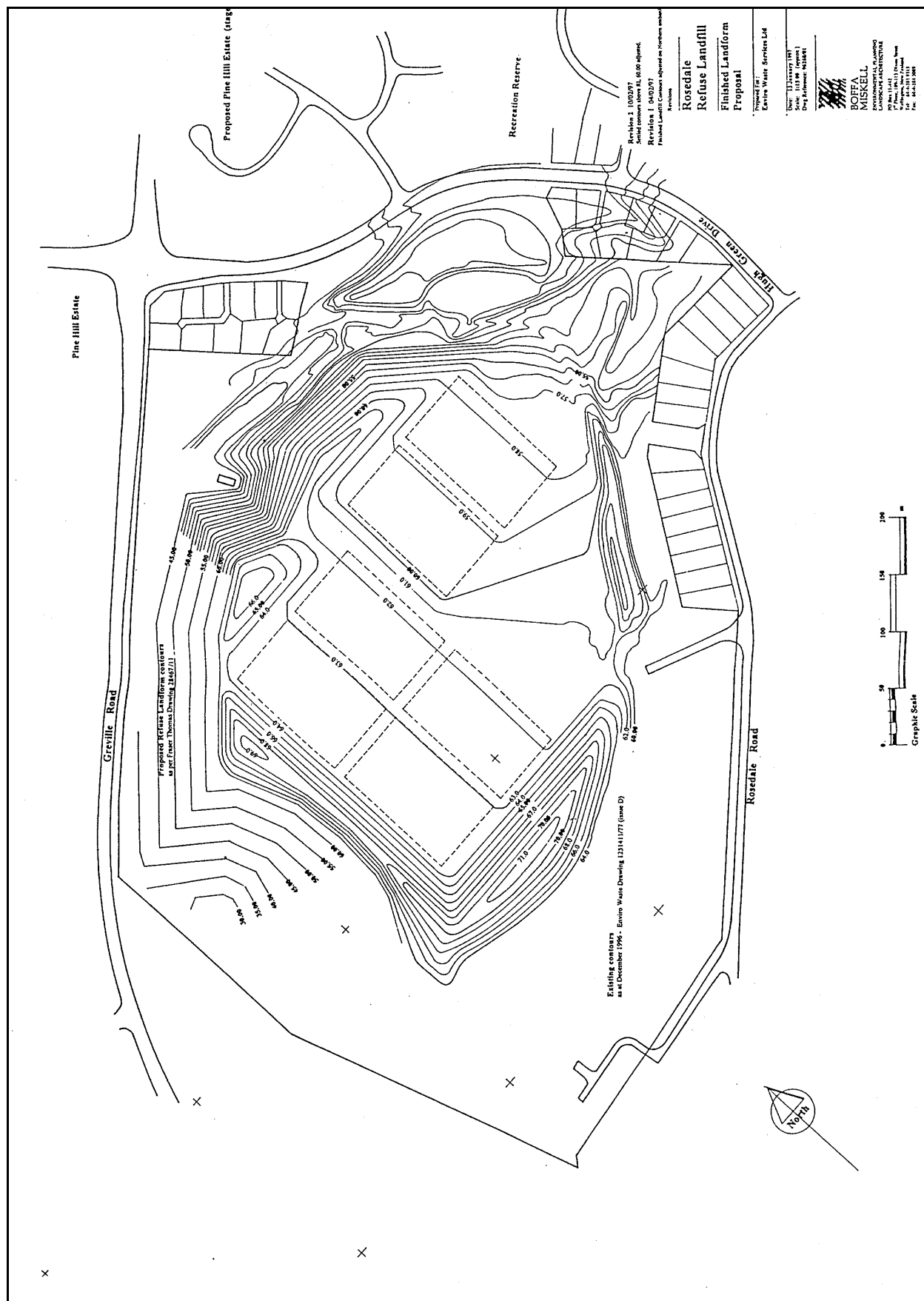
- 3.7 Temporary contour drains shall be formed around the landfill to the satisfaction of the city Council to intercept stormwater flowing from higher ground and areas of covered refuse.
- 3.8 Permanent stormwater drainage for the completed landfill shall be installed as required to the satisfaction of the city Council.
- 3.9 Landfill operations including earthworks associated with land-filling shall be carried out under the supervision of an appropriately qualified person who shall ensure that these works are undertaken in a manner that ensures the stability of the land and all pipelines contained therein.
- 3.10 Refuse shall be conveyed to the landfill in totally enclosed vehicles. The only exception to this shall be in the event that the landfill is opened to the general public in an extreme emergency. In this event, the ARC shall charge an additional fee for loads which, in the opinion of the ARC staff, are insecure.
- 3.11 Windblown litter shall be contained effectively within the landfill by the erection of nets and screens, and these shall be cleared of litter at weekly intervals or more frequently as necessary.
- 3.12 The ARC shall carry out patrols along the Greville Road and State Highway 1 frontage of the landfill to pick up:
 - a) litter blown beyond the nets and screens at weekly intervals or more frequently as necessary; and
 - b) refuse illegally deposited at the roadside as required.
- 3.13 The ARC shall ensure that all operating equipment used on the landfill is equipped with effective mufflers.
- 3.14 That the operation of the landfill shall comply with the rules of the proposed District Plan with regard to Odour ([Rule 10.4.2](#)), Dust ([Rule 10.4.3](#)) and Noise ([Rule 10.5](#)).

4.0 Completion Works

- 4.1 The ARC shall place a minimum of 500mm of soil on the finished surfaces of the landfill as soon as practicable after refuse land-filling is complete and sow the area with grass.
- 4.2 The ARC shall have a continuing responsibility for leachate collection and disposal beyond the life of the landfill as a disposal facility until such time as the Regional Water Board gives written notice to the Council that this is no longer required.
- 4.3 Should sewerage reticulation be provided in the vicinity of the landfill prior to the Regional Water Board giving notice to the Council under Clause 4.2 above, the Council may require the leachate drains to be connected to this reticulation at the ARC's cost.
- 4.4 The City Council is concerned as to the eventual ownership of the completed landfill and its further development (after proper completion of the landfill works) to a state suitable for recreational or associated public use. Whilst these matters are affected by legal conditions which impose constraints on the ARC's powers, the ARC shall continue to participate in discussions on these issues with the Council.

Appendix 14I: Possible End Use Proposal for the Refuse Disposal Site at Rosedale Road







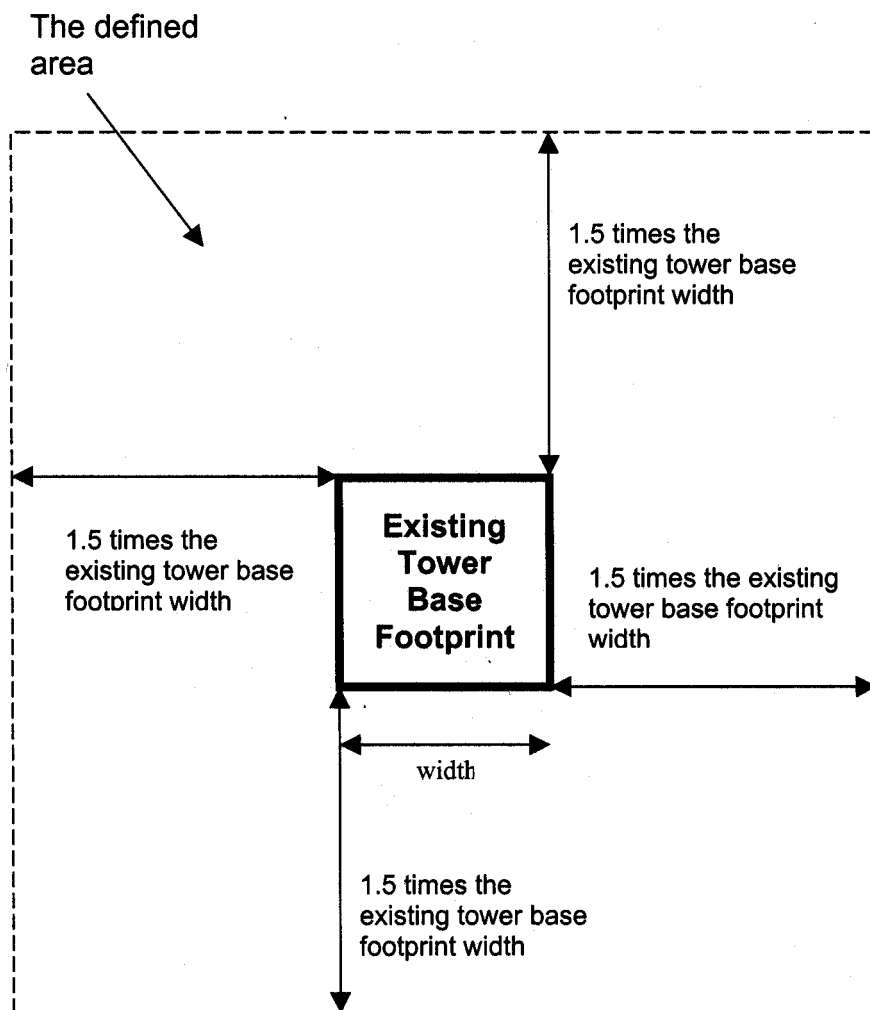


Appendix 14J Schedule of Heritage Orders

[No Heritage Orders as at 28 June 2002]

Appendix 14K "Part A" Electricity Transmission Steel Tower Replacement as a Controlled Activity

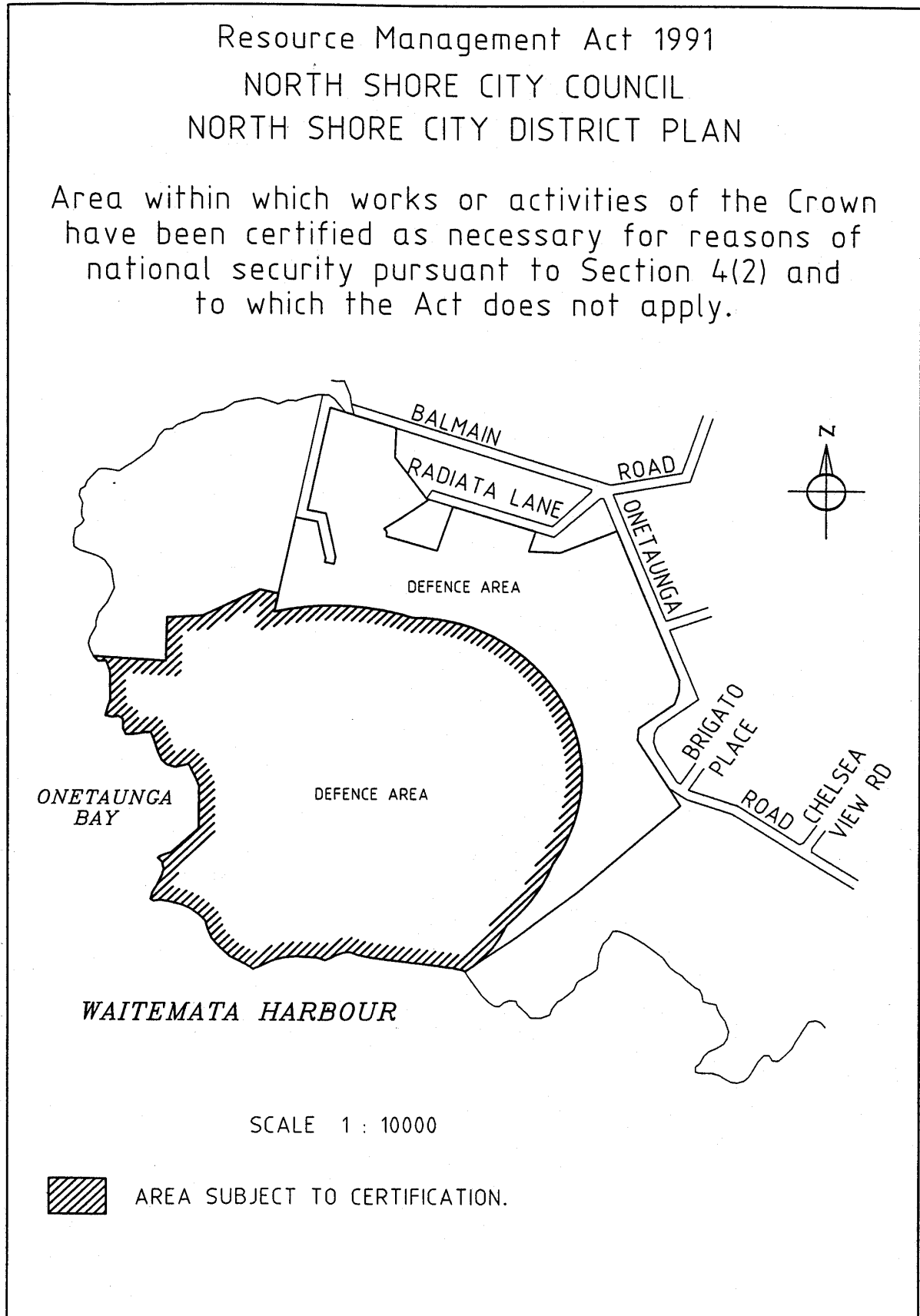
(Refer Section 14: Table 14.1)



Part B Height Increase of Electricity Transmission Steel Tower as a Controlled Activity

An increase in tower height is a controlled activity where, due to encroachment caused by the action of a third party (and not due to the consequences of actions such as uprating or resagging conductors), compliance with the clearance distances specified in NZECP 34:2001 is required. The increase in tower height must not be greater than 2m or 10% of the initial height of the tower, whichever is lesser.

Appendix 14L: Exclusion from the Resource Management Act



Appendix 14M: Conditions Attached to the Designation of Auckland Prison (Designation 120)

1. The following condition (comprising parts a, b, c and d) applies to the whole of Designation No. 120 Auckland Prison.
 - a) Maximum Capacity
 - i) That a maximum of 681 prisoners be accommodated within the penal institution at Paremoremo.
 - ii) Under this designation, no new buildings or external alterations are to be made to existing buildings to accommodate the extra 31 prisoners, additional to the previous maximum of 650 prisoners.
 - b) Landscaping
 - i) The requiring authority shall carry out landscaping on the site in accordance with the landscape plan attached as Attachment A.
 - ii) All planting associated with the landscape plan shall be maintained regularly until fully established and kept in a tidy condition, including replacement if any planting dies or is destroyed. The replacement of any planting shall be of the same type, grade and size as the one it replaces, unless otherwise approved in writing by Auckland Council, and shall be planted no later than the next planting season (i.e. April to September) following discovery of the need for replacement.
 - c) Parking

To alleviate the apparent parking shortage associated with the eastern wing, the requiring authority shall construct a further eight (8) car parks within 100 metres from the eastern wing.
 - d) Noise

The requiring authority shall ensure that the following maximum noise limits shall be complied with at all times at the boundaries of the subject site (excluding the boundary of Lot 3 DP 64 525, which continues to be covered by Condition 2b)) as follows:

0700hrs - 2200hrs	2200hrs - 0700hrs
55 dBA L10	40 dBA L10 75 dBA Lmax

Noise will be measured in accordance with NZS 6802:1991, Assessment of Environment Sound, and NZS 6803P:1984, the Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work. Noise standards shall not apply to noise for emergency and warning purposes.

2. The following conditions (2a - 2g) relate only to Lot 3 DP 64525 situated on the corner of Iona Avenue and Sanders Road:
 - a) Odour

No activity undertaken on Lot 3 DP 64525 shall create any intrusive odour that is, or is likely to be, either objectionable or offensive in the opinion of an enforcement officer, and is able to be detected beyond the boundary of the Prison designation.
 - b) Noise

Prior to the establishment of any activity on Lot 3 DP 64525 that may generate noise less than but within 5dBA of the noise standards specified in the table below, an Acoustic Design Report shall be obtained from a suitably qualified

Acoustic Engineer confirming that the activity will not exceed the noise levels specified below:

Maximum Permitted Noise Level measured at the boundary of Lot 3 DP 64525			
Mon - Sat inclusive 0700 hrs - 2000 hrs	Mon - Sat inclusive 2000 hrs - 2300 hrs	Sun & Public Holidays 0700 hrs - 2400 hrs	All Other Times
50 dBA L10	45 dBA L10	45 dBA L10	40 dBA L10 75 dBA Lmax

Noise will be measured in accordance with NZS 6802:1991 Assessment of Environmental Sound and NZS 6803P:1984 The Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work and noise standards shall not apply to noise for emergency and warning purposes.

c) Outdoor Lighting

- i) Outdoor lighting on Lot 3 DP 64525, shall be so selected, located, aimed, shielded, adjusted and screened as to ensure that glare resulting from the lighting complies with the standards specified in the table below.

Outdoor lighting measured horizontally or vertically at the boundary of Lot 2 DP 64525 (being the property owned by Mr P & Mrs M Rudd as at 4/2/02) shared with Lot 3 DP 64525	
0700 and 2200 hrs	added illuminance no more than 125 lux
2200 and 0700 hrs	added illuminance no more than 20 lux

- ii) All outdoor lighting shall be directed downward and shielded from Lot 2 DP 64525 subject to achieving necessary security requirements.

d) Vibration

No activity on Lot 3 DP 64525 shall be permitted to create vibration levels (acceleration in metres per second squared) relative to frequency which affect occupants of adjacent buildings by exceeding the base curves of Figures 2a (z axis), 3a (x and y axis), and 4a (combined xyz axis) of International Standard ISO 2631-2:1989 - Evaluation of human exposure to whole-body vibration - Part 2: Continuous and shock-induced vibration in buildings (1 to 80 Hz).

Vibration will be measured in accordance with ISO 2631:1989, AS 2973: 1987 and AS 2187.2:1993

e) Tree Planting

A buffer strip, to achieve a continuous visual screen of activities occurring on Lot 3 DP 64525 as viewed from Lot 2 DP 64525, shall be planted on Lot 3 DP 64525 alongside the boundary with Lot 2 DP 64525 ("the Rudd property") in accordance with the diagrams entitled *"Proposed Plan of Iona Avenue Boundary Showing Fences & Trees to Rudd Property with Corrections"* (see the following 2 pages). The buffer strip is to be established no later than the planting season following the operative date of this District Plan.

The buffer strip planting is to be mulched and watered for a minimum period of two years following the initial planting and maintained continuously thereafter, by the Requiring Authority. All newly planted trees that die or decline such that in the opinion of the Council's Monitoring Officer they are or will be of no screening value, must be replaced. The replacement trees should be of the same type, grade and size and planted no later than the following planting season (May to August), following instruction to do so by Council.

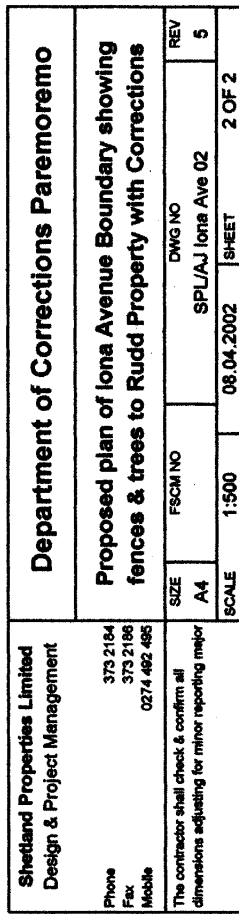
At any time, the specified plant species may be altered if prior approval is provided in writing by Auckland Council.

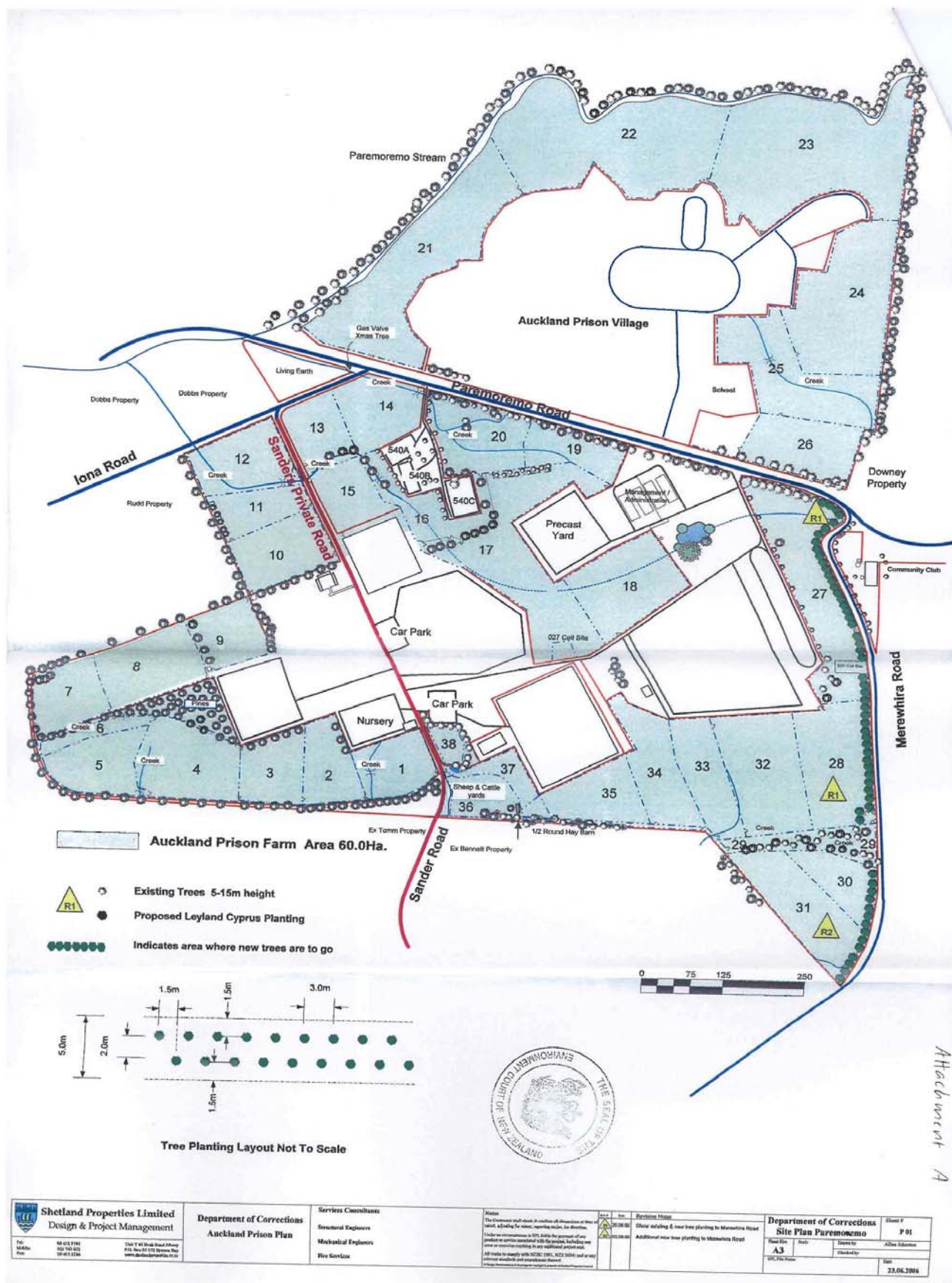
f) Access to Lot 3 DP 64525

Heavy vehicle access to Lot 3 DP 64525 will not be allowed from the road frontage of Iona Road.

g) Security Fencing

Security fencing will not be erected on the common boundary between Lots 2 & 3 DP 64525.





Appendix 14N: "Defence Purposes" Designation Definition

Full Description of the Purpose of the Designation (to explain the term "Defence Purposes")

The designation applies to the Defence areas (defined at Section 2 (1) of the Defence Act) that are included in the Schedule of Designations and the District Plan Maps for the Devonport locality.

The Defence Areas are administered by the New Zealand Defence Force (NZDF) and are currently occupied by the Royal New Zealand Navy, its contractors and licensees. The Areas are a Defence Work and may be utilised for any or every purpose required by Section 5 of the Defence Act 1990, which are as follows:

- a The defence of New Zealand, and of any area for the defence of which New Zealand is responsible under any Act.
- b The protection of the interests of New Zealand, whether in New Zealand or elsewhere.
- c The contribution of forces under collective security treaties, agreements or arrangements.
- d The contribution of forces to, or for any of the purposes of, the United Nations, or in association with other organisations or States and in accordance with the principles of the Charter of the United Nations.
- e The provision of assistance to the civil power either in New Zealand or elsewhere in time of emergency.
- f The provision of any public service.

The Governor-General of New Zealand, continues to raise and maintain Armed Forces on behalf of Her Majesty the Queen. Given the obligations placed on the New Zealand Defence Force by the Crown to meet the Crown's military defence needs, including those imposed by any enactment or by the policies of the government, the function of the Defence Areas include, at all times, to provide for the following functions of the New Zealand Defence Force (including visiting forces and third parties contracted to the New Zealand Defence Force):

- i) Defence Force command, land operations, sea operations, air operations, training, logistic support, ship berthing and docking, construction, repair, maintenance, munitions handling and storage, administration, and communication, and for the acquisition and improvement of the skills necessary for such functions;
- ii) resources, accommodation and facilities for these functions;
- iii) accommodation for members of the New Zealand Defence Force and any visiting force, training, recreational, welfare and medical facilities for them;
- iv) facilities for the storage of matériel, food and fuel, and the conservation and display of historic material;
- v) facilities for the construction, repair and maintenance of vessels, aircraft, vehicles and other equipment, including the vessels, aircraft, vehicles and equipment of forces of other nations;
- vi) to provide for the rapid and efficient deployment of the New Zealand Defence Force.
- vii) any other activity required in the delivery of New Zealand Defence Force outputs as described annually in the Departmental Forecast Report: New Zealand Defence Force.

