

**Papakura District Plan  
Proposed Plan Change No.13  
The Rural Plan Change**

**Section Four**

**Designations  
And  
Significant Natural  
Areas**

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**Papakura District Plan  
Proposed Plan Change No.13  
The Rural Plan Change**

# **Section Four, Part 1**

# **Designations**

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# 1 Designations

## Explanation

A Minister of the Crown, Local Authority, or network utility operator that has been approved as a requiring authority under section 167 of the Resource Management Act may require land to be designated in the Plan. Designated land is shown on the planning maps and is listed in the table below.

The effect of a designation is that the requiring authority responsible for the designation may do anything on that land that is in accordance with the designation. The other rules in the Plan that might otherwise control activities on land do not apply to designated land. Should anyone other than the requiring authority wish to undertake an activity on designated land, they may only do so with the written permission of the requiring authority, and the proposed activity must be in accordance with the designation. The zone rules for the designated land apply to any activity that is not covered by the designation.

Details of designations in the District are contained in the following schedule.

## 1.1 Designation Schedule

Designation Number	Map Ref	Requiring Authority and Purpose of Designation	Legal Description	
1		<b>Minister of Defence</b> Defence Purposes <u>Ardmore Military Training Area</u> (AMTA) (A19.1.49)	Allots 146, 147, 148, 149, 150, 151, 152 Opaheke Parish Pt Allot 139, Opaheke Parish Allot 153, Opaheke Parish Allot 237, Opaheke Parish Pt Allots 238 and 239, Opaheke Parish Allot 235, Opaheke Parish Allot 33, Pt N 171 Hunua Parish Lot 1 DP15356 Lot 2 DP15356 Lot 3 DP15356 Lot 4 DP15356 Pt Lot 5 DP15356 Allot 137, 167, Hunua Parish	Closed Road (x5) Pt Allot 32, Hunua Parish Pt Allot 32, Hunua Parish Pt Allot 35, Hunua Parish Pt Allot 32, Hunua Parish Pt Allot 32, Hunua Parish Pt Allot 32, Hunua Parish Pt Allot 8, Hunua Parish Pt Allot 32, Hunua Parish Pt Allot 35, Hunua Parish Pt Allot 8, Hunua Parish Pt Allot 8, Hunua Parish Pt Allot 77, Hunua Parish
2	F8 & F9	<b>Watercare Services Ltd</b> <b>Water Supply Purposes</b> on land at Hays Creek including but not	Part Allot 119 Parish of Hunua CT 4C/988	Part Allot 177 Parish of Hunua CT 1349/84

Designation Number	Map Ref	Requiring Authority and Purpose of Designation	Legal Description
		limited to a dam, spillways, impounded reservoir of water, intake and outlet structures, overhead power supply and telemetry, aeration equipment (including compressors), <del>production</del> forestry, noxious plant and pest control, and recreation plus utility services. <b>(A11.1.25)</b> <b>(A12.1.49)</b>	Part Allot 120 Parish of Hunua CT 4C/988 Part Allot 168 Parish of Hunua CT 89C/68 Part Allot N170 Parish of Hunua CT 4C/1298 Part Allot M170 Parish of Hunua CT 4C/988 Part Allot S170 Parish of Hunua CT 89C/70 Part Allot 177 Parish of Hunua CT 13D/673 Pt Allot SW 178 Parish of Hunua CT 89C/69 Lots 1 and 9 DP 30541 CT 14D/319 Lots 1 and 2 DP 65410 CT 30A/60 Lot 1 DP 60318
3	E6	<b>Watercare Services Ltd</b> <b>Water Supply Purposes</b> on this land at Kaipara Road including, but not limited to, a reservoir (tank) and pumping station plus utility services.	Lot 1 DP79740 CT 36C/262
4	F6	<b>Watercare Services Ltd</b> <b>Water Supply Purposes</b> on this land at Hunua Gorge Road including, but not limited to, a water treatment plant, stand-by power generation, depot and office, and water storage reservoir plus utility services	Lot 1 DP59100 CT 31A/842 Lot 1 DP43063 CT 31A/842 Pt Lot 1 DP34331 CT 919/274
5	E9	<b>Watercare Services Ltd</b> <b>Water Supply Purposes</b> on this land at Creightons Road including, but not limited to, a single residence on that parcel of land which is legally described as Part Lot 1 DP43534 and comprised in Certificate of Title 1302/14, and <del>production</del> forestry from the adjacent Ardmore Station on that parcel of land which is legally described as Part Lot 2 DP21088 and described in Gazette Notice 1977 Page 2193 <b>(A11.1.25)</b> <b>(A12.1.49)</b>	Pt Lot 2 DP 21088 CT 1198/14
6	E9	<b>Watercare Services Ltd</b> <b>Water Supply Purposes</b> on this land near the corner of Creightons and Jones Road including, but not limited to, part of the Hays Creek	Part Allot 177 Hunua Parish CT 35B/368 Part of Lot 1 DP 157319 CT 94C/208 Part of Lot 1 DP 375770

Designation Number	Map Ref	Requiring Authority and Purpose of Designation	Legal Description	
		reservoir		
7	D4	<b>Vector Ltd</b> Electrical Works (substation)	Lot 1 DP 39638	
8	Various	<b>New Zealand Railways Corporation</b> Railway Purposes North Island Main Trunk Railway		
9	C5, C6, C7, D5, D6	<b>Ardmore Airport Limited</b> Ardmore Aerodrome Height Restrictions		
10	G3	<b>Watercare Services Ltd</b> Sewage Treatment Plant	Lot 2 DP 133976 CT NA 129A/574	
11	G6	<b>Papakura District Council</b> Rubbish Dump	Pt Allot 52, Hunua Parish	
12	G6	<b>Papakura District Council</b> Rubbish Dump	Lot 1 DP 55769	
13	G5	<b>Counties Power Ltd</b> Electrical Supply Substation	Allot 301, Opaheke Parish, <u>Sec 1 Survey Office Plan 41081 and part of Section 1 Survey Office Plan 326417 (A16.1.65)</u>	
14	Various	<b>Transit NZ</b> Motorway Purposes – Auckland-Hamilton (State Highway One)		
15	Various	<b>Transit NZ</b> State Highway 22		
16	D7	<b>Minister of Education</b> Ardmore Primary School	Pt Allot 53 Parish of Papakura	
17	C4	<b>Minister of Education</b> Alfriston Primary School	Pt Allot 17 Parish of Papakura Pt Lot 1 DP 94453	
18	D2	<b>Minister of Education</b> Takanini Primary School	Pt Lot 2 DP 14894 Pt Lot 3 DP 14894	Pt Lot 7 DP 14894
19	E2	<b>Minister of Education</b> Conifer Grove Primary School	Pt Lot 1 DP 82635	
20	E3	<b>Minister of Education</b> Papakura Normal Primary School	Allot 95 Parish of Papakura Pt Allot 93 Parish of Papakura	
21	E5	<b>Minister of Education</b> Cosgrove Primary School	Lot 1 DP 43586 Lot 2 DP 43586 Lot 3 DP 43586	Lot 4 DP 43586 Pt Allot 2 Parish of Opaheke

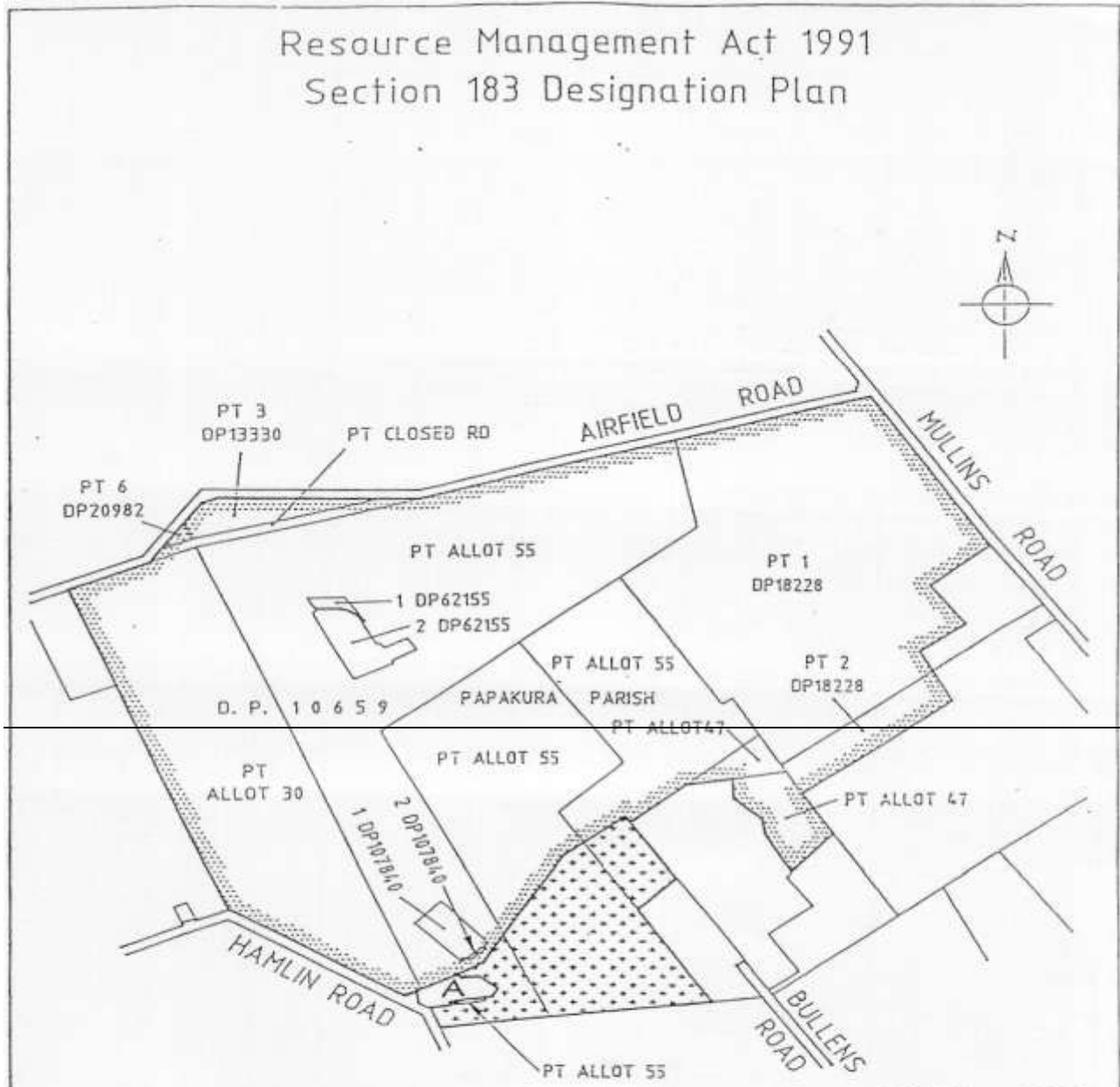
<b>Designation Number</b>	<b>Map Ref</b>	<b>Requiring Authority and Purpose of Designation</b>	<b>Legal Description</b>	
22	F4	<b>Minister of Education</b> Papakura High School	Allot 77 Sbrn Sec 1 Parish of Opaheke Allot 78 Sbrn Sec 1 Parish of Opaheke Pt Allot 83 Sbrn Sec 1 Parish of Opaheke Closed Road SO Plan 44937 Sec 1 SO 66339 Lot 58 DP 37801	
23	F4	<b>Minister of Education</b> Papakura Intermediate School	Allot 84 Sbrn Sec 1 Parish of Opaheke	
24	F5	<b>Minister of Education</b> Kelvin Road Primary School	Pt Allot 90 Sbrn Sec 1 Parish of Opaheke	
25	F4 & F5	<b>Minister of Education</b> Edmund Hillary Primary School	Pt Allot 57 Sbrn Sec 1 Parish of Opaheke Pt Allot 58 Sbrn Sec 1 Parish of Opaheke Lot 15 DP 54706	
26	F4	<b>Vector Ltd</b>	Lot 1 DP 54706	Lot 2 DP 54706
27	F4	<b>Minister of Police</b> Police Purposes (Papakura Police Station)	Lot 5A DP 48154 Lot 5B DP 48154 Lot 6 DP 48154 Lot 1 DP 184106	Pt Allot 207 Sec 11 Village of Papakura Allot 217 Sec 11 Village of Papakura Allot 203 Sec 11 Village of Papakura
28	E3 and E4	<b>Minister of Defence</b> Defence Purposes	Lot 1 DP 201101 Sec 1 SO 31679 Lot 2 DP 201101 Lot 2 DP 198558 Lot 1 DP 329779 Sec 2 SO 317074 Sec 1 SO 317074	Sec 3 SO 317074 Sec 3 SO 70474 Sec 4 SO 317074 Sec 4 SO 70474 Pt Lot 1 DP 168748 Pt Lot 1 DP 170957
29	E4	<b>Minister of Corrections</b> Papakura Community Work Centre	Pt Lot 7 DP 33444	
30	F4	<b>Minister for Courts</b> Papakura Courthouse	Allot 201 Sec 11 Village of Papakura Allot 202 Sec 11 Village of Papakura Pt Allot 207 Sec 11 Village of Papakura	
31	F3	<b>Minister of Education</b> Papakura Central Primary School	Lot 2 DP 70273 Lots 141-151, Lots 172-175 and Pt Lots 176-178, Deeds Plan Whau 39 Pt Allot 5 Village of Papakura Harbour Bed SO Plan 51987 (0.0080ha), Harbour Bed SO Plan 51987 (0.0230ha), Closed Road Deeds Plan Whau 39	
32	F3	<b>Minister of Education</b>	Pt Allot E11 Parish	Lot 47 DP 57351

Designation Number	Map Ref	Requiring Authority and Purpose of Designation	Legal Description	
		Rosehill College/Rosehill Intermediate School/Rosehill Special School	of Opaheke Lots 133-136 DP 47965 Lot 152 DP 47965 Pt Lot 6 DP 14721	Lots 139-141 DP 47965 Lot 30 DP 49598
33	F3	Minister of Education Papakura South Primary School	Lot 1 DP 41370 Lot 144 DP 47965	
34	F4	Minister of Education Opaheke Primary School	Lot 8 DP 50450 Lot 7 DP 37081	Pt Lot 2 DP 37081 Pt Lot 1 DP 7548
35	<del>F4</del> F5 (A16.1.73)	Minister of Education Red Hill Primary School	Pt Lot 2 DP 41685 Lot 7 DP 56675	Pt Lot 10 DP 79174
36	G3	Minister of Education Park Estate Primary School	Pt Lot 7 DP 4963 Pt Allot 311 Parish of Opaheke	
37	H4	Minister of Education Drury Primary School	Allotments 43-46 Sec 8 Village of Drury Allotments 56-61 Sec 8 Village of Drury Allotments 68-74 Sec 8 Village of Drury	Allot 86 Sec 8 Village of Drury Lot 2 DP 12263 Closed Road SO Plan 50778
38	C5, C6, D5, D6	Ardmore Airport Limited	Lot 1 DP 107840 Lot 2 DP 107840 Lot 1 DP 171742 Lot 22 DP 171923 Lot 41 DP 171923 Lot 201 DP 173738 Lot 202 DP 173738 Lot 203 DP 173738 Lot 204 DP 173738 Lot 205 DP 173738 Lot 208 DP 173738 Lot 209 DP 173738 Lot 300 DP 173739 Lot 301 DP 173739 Lot 302 DP 173739 Lot 303 DP 173739 Lot 304 DP 173739 Lot 307 DP 173739 Lot 1 DP 173740 Lot 2 DP 173740	Lot 68 DP 173743 Lot 69 DP 173743 Lot 70 DP 173743 Lot 113 DP 179798 Lot 114 DP 179798 Lot 115 DP 179798 Lot 116 DP 179798 Lot 118 DP 179798 Lot 119 DP 179798 Lot 120 DP 179798 Lot 121 DP 179798 Lot 122 DP 179798 Lot 123 DP 179798 Lot 124 DP 179798 Lot 125 DP 179798 Lot 126 DP 179798 Lot 127 DP 179798 Lot 128 DP 179798 Lot 129 DP 179798 Lot 141 DP 179798

Designation Number	Map Ref	Requiring Authority and Purpose of Designation	Legal Description	
			Lot 4 DP 173740	Lot 142 DP 179798
			Lot 5 DP 173740	Lot 143 DP 179798
			Lot 6 DP 173740	Lot 144 DP 179798
			Lot 7 DP 173740	Lot 145 DP 179798
			Lot 10 DP 173741	Lot 146 DP 179798
			Lot 16 DP 173741	Lot 147 DP 179798
			Lot 17 DP 173741	Lot 148 DP 179798
			Lot 18 DP 173741	Lot 86 DP 179798
			Lot 19 DP 173742	Lot 87 DP 179798
			Lot 20 DP 173742	Lot 88 DP 179798
			Lot 21 DP 173742	Lot 89 DP 179798
			Lot 25 DP 173742	Lot 90 DP 179798
			Lot 30 DP 173742	Lot 91 DP 179798
			Lot 31 DP 173742	Lot 92 DP 179798
			Lot 32 DP 173742	Lot 93 DP 179798
			Lot 33 DP 173742	Lot 94 DP 179798
			Lot 34 DP 173742	Lot 95 DP 179798
			Lot 35 DP 173742	Lot 96 DP 179798
			Lot 36 DP 173742	Lot 97 DP 179798
			Lot 37 DP 173742	Lot 105 DP 179799
			Lot 38 DP 173742	Lot 106 DP 179799
			Lot 26 DP 173743	Lot 107 DP 179799
			Lot 27 DP 173743	Lot 108 DP 179799
			Lot 28 DP 173743	Lot 109 DP 179799
			Lot 29 DP 173743	Lot 110 DP 179799
			Lot 39 DP 173743	Lot 111 DP 179799
			Lot 40 DP 173743	Lot 112 DP 179799
			Lot 42 DP 173743	Lot 130 DP 179799
			Lot 43 DP 173743	Lot 131 DP 179799
			Lot 44 DP 173743	Lot 132 DP 179799
			Lot 45 DP 173743	Lot 133 DP 179799
			Lot 46 DP 173743	Lot 134 DP 179799
			Lot 47 DP 173743	Lot 135 DP 179799
			Lot 48 DP 173743	Lot 136 DP 179799
			Lot 49 DP 173743	Lot 137 DP 179799
			Lot 50 DP 173743	Lot 138 DP 179799
			Lot 51 DP 173743	Lot 139 DP 179799
			Lot 52 DP 173743	Lot 140 DP 179799
			Lot 53 DP 173743	Lot 305 DP 179799
			Lot 54 DP 173743	Lot 306 DP 179799
			Lot 55 DP 173743	Lot 8 DP 192624
			Lot 56 DP 173743	Lot 9 DP 192624

Designation Number	Map Ref	Requiring Authority and Purpose of Designation	Legal Description	
			Lot 57 DP 173743 Lot 58 DP 173743 Lot 59 DP 173743 Lot 60 DP 173743 Lot 61 DP 173743 Lot 62 DP 173743 Lot 63 DP 173743 Lot 64 DP 173743 Lot 65 DP 173743 Lot 67 DP 173743	Lot 206 DP 211113 Lot 207 DP 211113 Lot 200 DP 319290 Lot 100 DP 328158 Lot 101 DP 328158 Lot 102 DP 328158 Lot 103 DP 328158 Lot 104 DP 328158 Lot 4 DP 328158
39	D6	<b>Ardmore Airport Limited</b> Aerodrome Purposes	Lot 14 DP 173741 Lot 76 DP 178388 Lot 77 DP 178388 Lot 75 DP 178388 Lot 13 DP 173740 Lot 78 DP 178388 Lot 11 DP 173740 Lot 74 DP 178388 Lot 73 DP 178388 Lot 79 DP 178388	Lot 80 DP 178388 Lot 72 DP 178388 Lot 81 DP 178388 Lot 3 DP 173740 Lot 82 DP 178388 Lot 15 DP 173741 Lot 84 DP 178388 Lot 85 DP 178388 Lot 83 DP 178388 Lot 71 DP 178388
40	D3	<b>Transpower NZ Limited</b> Electricity Substation	Lot 1 DP 135030 Lot 2 DP 135030	
41	Various	<b>National Gas Corporation NZ Limited</b> Gas Transmission Purposes NGC Pipelines – Rotowaro to East Tamaki	-	
42	H4	<b>Watercare Services Ltd</b> Construction and Operation of a Boost Pumping Station for water reticulation purposes	Lot 1 DP 160625	
43	E4	<b>Telecom New Zealand Ltd and Telecom Mobile Ltd</b> Telecommunication and Radiocommunication and Ancillary purposes – Papakura exchange and Mobile Phone site	Sec 2 SO 65498	
44	H4	<b>Telecom New Zealand Ltd and Telecom Mobile Ltd</b> Telecommunication and Radiocommunication and Ancillary purposes – Runciman Exchange and Mobile Phone Site	Pt Lot 1 DP 47861	

# Resource Management Act 1991 Section 183 Designation Plan



SCALE 1 : 12000

- Area to be designated "AERODROME"
- Area to be designated "AERODROME PURPOSES"

Note that the land identified as A on this plan is private land which is not included in the Ardmore Aerodrome designation but is included in the Ardmore Zone (see Urban section of the Plan)

WP 47

PREPARED BY WORKS CONSULTANCY SERVICES LTD.

## 1.2 Conditions for Designations

### Conditions for Designation 13: Electrical Supply Substation

#### Sutton Road Future Road widening

#### ~~Fence Setback – Sutton Road Boundary (A16.1.67)~~

1. The Substation security fence shall be set back at least 14m from the Sutton Road/western boundary (being the location of this boundary as it existed in the Notice of Requirement).

**Advice Note:** *In future the Council may require up to 12m of the site to widen Sutton Road of which 4m can be landscaped. (Refer diagram Figure 1 prepared by Papakura District Council).*

#### Noise

2. The substation must be operated in such a manner as to comply with the following noise emission standards. The noise level measured within the notional boundary of any existing dwelling shall not exceed the following limits:

Daytime	0700-2000	L10 = 50dBA
Night-time	2000-0700	L10 = 40dBA

The noise levels must be measured and assessed in accordance with the requirements of NZ6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.

#### Earthworks Associated with Any Site Development

3. All retaining walls, earthworks, reinforcements and stability works must be constructed and completed immediately after cutting and or prior to filling to minimize the likelihood of any instability.
4. Prior to commencing any earthworks the requiring authority must install all the necessary erosion and sediment control measures as shown in the Auckland Regional Councils TP 90 and be responsible for preventing, controlling and stopping the loss of soil and silt and any damage caused by the earthworks on adjacent properties. All necessary erosion and sediment measures once installed are to be maintained to ensure continual operation until the development has been completed and the site fully stabilized.
5. The requiring authority must control runoff, mitigate and prevent soil erosion, sediment loss and trap pollutants from entering adjacent lands, street curb and channels/ natural and artificial water bodies.
6. All existing drainage systems must be protected from any release of silt, accidental or otherwise from the site. This also involves measures to prevent soil being spread onto the road and access way.
7. All earthworks and areas of bare earth shall be re-vegetated or re-grassed within 3 months of completion of the earthworks. Where regeneration of the grass is not sufficient, areas of bare soil shall be “hydro-seeded” or otherwise sown with the appropriate ground cover vegetation.
8. The requiring authority must limit the dispersal of dust from the earthworks to adjacent sites by implementing a watering regime in order to ensure that the areas of bare soil are dampened (up until the bare soil is revegetated).
9. In the event of any excavated material being spilled on a public road, the requiring authority must take immediate action at their cost to clean/repair the road or reimburse

the Papakura District Council the expenses of cleaning and/or reinstating the damaged road.

10. All earthworks must occur between the hours of 7.00am and 6.00pm Monday to Saturday.

#### **Overland Flow**

11. The finished land level and grade of the earthworks and land forming must be such that it does not impede, restrict or block the existing overland flow from adjacent properties and that an adequate flow path over the site shall be maintained.
12. The finished land level and grade of the earthworks and land forming must be such that it does not divert, redirect and concentrate runoff onto adjacent properties.

#### **Noise during Construction**

13. The requiring authority must comply with the noise standards set out in Acoustic Construction Noise NZS 16803:1999 at all times while any construction works are being conducted on site.

#### **Site Access during Construction**

14. The site must be secure from unauthorised public access during construction.

#### **Lighting**

15. All exterior on-site lighting must be positioned and aimed within the site, away from adjacent properties and public roads so as to minimise the level of spill light and glare.

#### **Hazardous Substances**

16. The requiring authority must ensure that any transformer oil storage areas are bunded. Bunds shall be sufficient capacity to contain the release from the total volume of all storage vessels located in each bunded area.

#### **Surface Water**

17. The requiring authority must maintain and regularly clean all storm water catch pits, channels, grates, pipes and other storm water collection systems to ensure they operate in an effective manner.

#### **Electrical Interference**

18. The requiring authority must make every reasonable effort to ensure that the electrical supply substation is operated, managed and controlled so that there is no electrical interference with television or radio reception at any adjacent property including complying with the requirements of the Radiocommunications Act 1989, the Radiocommunications Regulations 2001, the Ministry of Economic Development's Radio Spectrum Management "Compliance Guide" (November 2004), and relevant Gazetted Notices.

#### **~~Condition relating to Establishment of Substation on Site~~**

- ~~19. The Outline Plan of Works for the establishment of the substation on site must comply with the following:
  - a. The works to give effect to the designation must be undertaken in general accordance with the plans, amended plans and information submitted by Counties Power in support of the Notice of Requirement contained in the document 'Assessment of Environmental Effects' ref. BM A01104-034 (February 2005) and drawing numbered 01104-300 dated 15/8/05 and titled 'Indicative Planting Plan' all being Council ref. 7847.~~

~~**Advice Note:** 'General Accordance' shall take into account the implications of complying with Condition 1 above.~~

~~b. The Outline Plan of Works to be submitted pursuant to Section 176A RMA to establish the substation on-site shall include the following:~~

- ~~i. Construction Management Plan~~
- ~~ii. Traffic Management Plan~~
- ~~iii. Property and Landscape Management Plan~~

~~**Advice Note:** Items (i) and (iii) shall be reviewed by the Manager Resource Consents and item (ii) by the Development Control Engineer.~~

~~**Advice Note:** If the requiring authority proposes to install any guard rails, signage or other measures to protect the safety of the designated site from vehicles, the details of these measures shall be submitted with the Outline Plan required under Section 176A. The requiring authority must provide an as built plan of any such measures including the running distance from the centre line of Ponga Road down the centre line of Sutton Road to define the position of such signs for inclusion in the Council's RAMM data base.~~

~~c. The Construction Management Plan to be submitted pursuant to Section 176A and required by \*\*Condition 19(b) must include:~~

- ~~i. Indicative plan/report for the sequence of activities (inclusive of earthworks and volumes) proposed~~
- ~~ii. The timing of the activities~~
- ~~iii. The name and contact details of project manager and site owner~~
- ~~iv. The expected duration of the works.~~

~~The requiring authority must also circulate the Construction Management Plan prior to construction commencing to the occupiers of 285 & 300 Sutton Road; 216, 231 and 235 Opaheke Road; and 28, 36, 48, 61 and 101 Ponga Road.~~

~~d. The Traffic Management Plan to be submitted pursuant to Section 176A and required by \*\*Condition 19(b) must be prepared by a suitably qualified person for the purposes of working on, or in close proximity to roads and public places.~~

~~e. The Property and Landscape Management Plan to be submitted pursuant to Section 176A and required by \*\*Condition 19(b) shall detail species, gardening and maintenance specifications and be designed with reference to Section Three, Part 13 of the District Plan. The Property and Landscape Management Plan must ensure that visibility is maintained from a point 9m from the Give Way limit line on Sutton Road to a point 100m from the centre line of Sutton Road, east along the Ponga Road edge of seal. The Property and Landscape Management Plan must incorporate the following elements:~~

- ~~i. identification of all hard and soft landscape works (including fences) and how landscaping will provide a buffer between the activity and adjacent dwellings and roads;~~
- ~~ii. details of the intended species, plant sizes at the time of planting, their likely heights on maturity and how planting will be staged, established and maintained;~~
- ~~iii. a commitment to replacing planting if the initial work fails;~~
- ~~iv. provisions and methods to ensure landscaping works do not unduly interfere with any overland flow path;~~
- ~~v. the existing indigenous vegetation of the Ponga area;~~
- ~~vi. a water supply to ensure that all plantings are maintained in perpetuity;~~

- ~~vii. a landmark to promote Sutton /Ponga Road corner as the gateway to Ponga Hills;~~
- ~~viii. a colour scheme to mitigate adverse visual effects and ensure low reflectivity of external surfaces of structures on the site;~~
- ~~ix. the grassing/temporary landscaping of the area 8 metres from the existing Sutton Road boundary to the future Sutton Road boundary (Refer to diagram Figure 1 prepared by Papakura District Council);~~
- ~~x. maintenance and upkeep of structures.~~

~~**Advice Note:** The nature of the landmark is to be determined by the requiring authority, following consultation with the community.~~

~~The Property and Landscape Management Plan must commence in the first planting season following the completion of the works on the site. The landscaping must be irrigated and maintained for the life of the sub-station.~~

- ~~f. The requiring authority must contact the Papakura District Council Monitoring and Compliance officer at the commencement of the works in accordance with the Outline Plan of Works so that a monitoring programme can commence. A monitoring fee will be charged prior to works commencing.~~
- ~~g. The requiring authority shall submit a written confirmation from a suitably qualified person within 2 years after the operational date of the new substation to identify any hazard including soil contamination which is or is likely to have resulted from previous use of the site, to enable the Council to update their hazard record.~~

~~**Advice Note:** The guidelines, methodology, procedure, tests and acceptable levels of contaminants for testing would need to meet the requirements of ARC, ADHB, Ministry of Health and Ministry of Environment.~~

~~**Advice Note:** A file note will be placed on the property file seeking to establish a building restriction line on the land adjoining the substation common boundary in the event of future subdivision.~~

- ~~h. The substation must be designed and constructed in such a manner as to comply with the following noise emission standards:~~

~~The noise level measured within the notional boundary of any existing dwelling shall not exceed the following limits:~~

~~Daytime ————— 0700-2000 — L10 = 50dBA~~

~~Night time ————— 2000-0700 — L10 = 40dBA~~

~~The noise levels must be measured and assessed in accordance with the requirements of NZ6801:1991 Measurement of Sound and NZS6802:1994 Assessment of Environmental Sound.~~

- ~~i. The requiring authority must submit, to Papakura District Council within three months of commissioning the substation, an acoustic design certificate provided by a qualified acoustic engineer confirming that the design will ensure compliance with the performance standard set out in condition 19(h).~~

**Condition relating to Decommissioning of Existing Substation**

~~20. The existing substation must be decommissioned in accordance with a decommissioning plan within 2 years of the operational date of the new substation. The Decommissioning Plan to be submitted pursuant to Section 176A must include:~~

- ~~i. Confirmation that all utilities equipment will be removed from the site~~
- ~~ii. Any existing site resources to be retained.~~

- iii. ~~The top soiling and grassing of any areas of seal or utilities to be removed.~~
- iv. ~~A report from a suitably qualified person which confirms that the site has been assessed for hazardous substances including soil contamination to enable the Council to update their hazard record and any proposed site rehabilitation resulting from any recommendation in such a report.~~

~~**Advice Note:** The guidelines, methodology, procedure, tests and acceptable levels of contaminants for testing would need to meet the requirements of ARC, ADHB, Ministry of Health and Ministry of Environment.~~

~~**Advice Note:** The Decommissioning Plan shall be reviewed by the Manager Resource Consents. (CL.16)~~

**Advice Note:**

It is noted that the submitted and approved Outline Plan of Works for the establishment of the substation includes a landscape plan that identifies the possible need for the alteration or removal of trees at 9 Ponga Road in a specified area and such work can be undertaken as part of the designated works to enable emergency maintenance or for the planned installation, upgrade or replacement of equipment which cannot be installed for the existing vehicle entrance.

**(A11.1.19)**

## **DESIGNATION 41 - CONDITIONS**

### **NGC PIPELINE DESIGNATION - ROTOWARO TO EAST TAMAKI**

The designation by NGC New Zealand Limited (NGC) of land within the Papakura District is for:

- a) The operation, maintenance, upgrade and renewal of the existing 350mm diameter gas transmission pipeline and all ancillary structures and activities associated with these works for transportation of natural gas; and
- b) The design, construction, operation, maintenance and renewal of a new pipeline generally alongside the existing pipeline and all ancillary structures and activities associated with these works for transportation of natural gas.

The designation affects land legally described in Appendix 2 "Schedule of Affected Land" of Volume 3 of the Notice of Requirement for Designation submitted to Papakura District Council.

### **DESCRIPTION OF DESIGNATION IN DISTRICT PLAN**

The designation shall be described in the Papakura District Plan as "Gas Transmission Purposes".

### **LAPSING PERIOD**

Pursuant to Section 184(1)(c) of the Resource Management Act 1991, the period during which the designation shall not lapse, unless given effect to, shall be ten years commencing from the date the designation is included in the Papakura District Plan.

### **OUTLINE PLAN**

If the Requiring Authority accepts Conditions 2.1, 2.4, 2.9, and 2.12, being the requirements to submit the Construction Management Plans and associated conditions/matters, that acceptance shall be deemed by Council to be a waiver in relation to that Plan or relevant parts of that Plan pursuant to Section 176A(2)(c) of the Resource Management Act 1991 of the requirement for an Outline Plan of Works under Section 176A. If the Council and the Requiring Authority do not agree on the terms of such Plan and associated matters/conditions, the relevant provisions of Section 176A of the Resource Management Act 1991 shall apply in respect of any part not agreed.

## **CONDITIONS**

The designation shall be subject to the following conditions:

Unless the context otherwise requires, references in the following conditions to "the Council" shall be deemed to be references to the Papakura District Council's Chief Executive Officer or nominee.

### **1. GENERAL CONDITIONS**

- 1.1 The works to give effect to the designation shall be generally in accordance with the plans and information submitted by NGC in support of the Notice of Requirement in the documents entitled "Rotowaro – East Tamaki Pipeline Route Designation" (Reference 5104-R-04, Rev 1 Volumes 1, 2 and 3), and as amended by Drawings numbered:

- a) P5107/0605/01  
(Sheets 1, 5 and 6 - Revision 2);

- b) P5107/0504/015  
(Sheets 1 and 2 - Revision 1);

and except as varied by the conditions herein.

1.2 The maximum width of the designation shall be as follows excepting any lesser widths specified in Appendix 3 – Property Plans, Volume 3 Notice of Requirement:

	Construction Width	Post Construction Width
Within Road Reserve (along road)	6 metres	6 metres
Within Road Reserve (across road)	8 metres	8 metres
Non Road Reserve (land Zoned other than Rural)	18 metres	12 metres
Non Road Reserve (land Zoned Rural)	25 metres	12 metres

1.3 The Requiring Authority shall give written notice of:

- a) The likely commencement date for the works pursuant to the designation; and
- b) The expected timeframe for the construction programme;

to the Council and landowners not less than two years and then again not less than one year prior to entry for construction. The Requiring Authority shall provide to the Council a list of the landowners notified pursuant to this condition and a copy of the information supplied to them.

1.4 The Requiring Authority will minimise as far as practicable the construction width used in all land zoned Rural. Where a reduced width is practicable, the Requiring Authority shall give notice to the Council that it no longer wants the relevant portion of the construction width pursuant to Section 182 of the Resource Management Act 1991.

## 2. CONSTRUCTION

2.1 The Requiring Authority shall submit a detailed Construction Management Plan to the satisfaction of the Council at least three months prior to commencing construction. The Construction Management Plan shall include the construction drawings and procedures, methods and measures to be applied during the construction phase to address:

- a) Liaison with Council, affected parties, utility owners and the general public;
- b) Construction techniques including likely work programme;
- c) Construction work within road reserves;
- d) Noise control;
- e) Dust control including specific reference to protection of power transmission lines;
- f) Earthworks and sediment control plan including vegetation control, disposal of unsuitable and/or surplus material;
- g) Measures to ensure construction vehicles do not deposit soil or other debris on roads;
- h) Provision for fencing so as to enable continued operation of the landuse activities on the properties through which the designation passes;

- i) Location, protection and provision of alternative supply in the event of disruption of existing utilities; and
  - j) Management of issues raised by affected parties during construction including contact details for key NGC construction personnel and systems for investigation, recording and reporting actions taken to resolve the issue raised.
- 2.2 The construction plans described in Condition 2.1 shall include detailed engineering plans prepared in consultation with landowners. The plans shall include longsections and cross sections (where necessary) detailing the alignment and level of the pipeline and associated works with respect to ground levels, structures and services.
- 2.3 The Requiring Authority shall submit a detailed Health and Safety Management Plan to the Council at least three months prior to commencing construction.
- 2.4 The Requiring Authority shall submit a detailed Traffic Management Plan to the satisfaction of the Council at least three months prior to commencing works. All traffic and pedestrian control measures detailed in the Traffic Management Plan shall conform with the Transit New Zealand manual entitled “Code of Practice for Temporary Traffic Management Issue 2” and dated October 2002. Specific areas to be addressed in the Plan shall include:
- a) The temporary diversion of traffic during construction;
  - b) Traffic safety;
  - c) Control at intersections;
  - d) Consideration of hours of work for heavily trafficked roads;
  - e) Maintenance of road and property access; and
  - f) Movement of construction traffic on local roads.
- 2.5 Not less than two weeks prior to the commencement of works, the Requiring Authority shall meet with the Council for a pre-construction meeting.
- 2.6 The Requiring Authority shall at all times ensure that access between parts of any single property temporarily severed by construction is maintained to a level that will enable, as far as is practicable, normal operations on the property to continue.
- 2.7 Except within road reserves, pipeline construction and associated activities shall not occur during the hours of darkness as defined in the Traffic Regulations 1976 except in the case of urgent work necessary to prevent injury to persons or damage to property.
- 2.8 Within road reserves, pipeline construction and associated activities shall be limited to between the hours of 7 am and 7 pm Monday to Saturday (excluding public holidays) except:
- a) Where otherwise stated in a Traffic Management Plan to the satisfaction of the Council submitted pursuant to Condition 2.4; or
  - b) With the prior written approval of the Council.
- 2.9 Within road reserves, all construction activities at any one location shall be limited to a linear distance of 300 metres in accordance with the drawing 9009-SK-001 Rev.B, except with the prior written consent of the Papakura District Council.
- 2.10 Construction activities in private property shall be limited to the period between 1 October in any given year, and 30 April in the following year except with the prior written approval of the Council.

- 2.11 Except as otherwise provided, the pipeline shall have a minimum cover of at least 1.5 metres in land zoned rural and 2.0 metres in road reserves and land with a zoning other than rural.
- 2.12 The Requiring Authority shall liaise with all relevant utility operators during the detailed design and subsequent construction processes prior to undertaking any work pursuant to this designation and shall ensure that all existing utility services located in or adjacent to the designation are:
- a) Accurately located prior to the preparation of the plans detailed in Condition 2.1. If necessary, this shall include exploratory excavation;
  - b) Either protected from any activity which may interfere with the proper functioning of the services or relocated;
  - c) If damaged, repaired at the Requiring Authority's expense, to the reasonable satisfaction of the affected utility operator; and
  - d) Able to be accessed during construction.
- 2.13 Where existing buried services are encountered the new pipeline shall, where practicable be installed underneath them, with a minimum 0.5 metre vertical separation. Where practicable a 1.0 metre horizontal separation shall be provided from any existing pipeline. If the minimum clearance cannot be achieved during construction, measures such as concrete protection slabs or similar barriers shall be provided to protect the utility from damage as a result of installation of the pipeline.
- 2.14 The pipeline shall be installed across road carriageways using trenchless construction techniques unless otherwise agreed with Council.
- 2.15 All works or activities related to the designation shall be designed and undertaken to comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34:2001).
- 2.16 The noise from construction and maintenance works shall be measured, assessed and controlled in accordance with the procedures and limits set out NZS 6803:1999 Acoustics – Construction Noise.
- 2.17 All pipeline construction activities within road reserves shall be in accordance with the requirements of the Code Of Practice For Working on Roads, jointly published by the Combined Working Group of the Auckland region's territorial authorities and the Auckland Utilities Operators Group, included as Appendix G of evidence presented at the Public Hearing 12 July 2004 by Owen McBride.
- 2.18 Any damage caused to the road traffic signal inductive loops as a result of construction activities shall be reported to the Council immediately. Any costs associated with the reinstatement of these loops shall be met by the Requiring Authority.
- 2.19 All works on existing public wastewater, stormwater and water mains shall be carried out by a Council-approved licensed contractor at the Requiring Authority's expense.

### **3. HERITAGE**

- 3.1 The Requiring Authority shall, not less than six months prior to the commencement of construction, undertake a detailed Heritage and Cultural Survey along the pipeline route, in consultation with New Zealand Historic Places Trust, affected tangata whenua and Department of Conservation, to confirm the location of any features of heritage and cultural

significance. Before the commencement of construction, the Requiring Authority shall submit documentation to the Council advising the outcomes of the survey and specifically identifying:

- a) Features within or adjacent to the construction designation; and
- b) Appropriate protection measures for those features or the provision of the relevant authority to modify or destroy from the New Zealand Historic Places Trust.

3.2 Prior to commencement of construction, the Requiring Authority shall implement a protocol for management of construction activities where these activities are in close proximity to known cultural and/or heritage sites and for discovery of taonga, koiwi or artefacts during design and construction (“the Heritage Protocol”). The Heritage Protocol shall be based on the draft protocol contained in Appendix 11.2 of Volume 3 of the Notice of Requirement for Designation (Rev 1).

#### **4. MONITORING AND REINSTATEMENT**

4.1 For areas outside road reserves, the Requiring Authority shall submit a Reinstatement Management Plan to the satisfaction of the Council at least three months prior to commencing construction. The Plan shall provide a written and photographic record of the area affected by works and shall include the procedures, methods and measures to be applied to address:

- a) Reinstatement of affected areas;
- b) Reinstatement of existing utilities including property infrastructure; and
- c) Post construction monitoring measures to monitor effectiveness of the reinstatement measures.

The reinstatement measures identified in the Reinstatement Management Plan shall be implemented as soon as practicable after areas become available for reinstatement due to the progress of the works.

4.2 For areas outside of road reserves, the Requiring Authority shall monitor reinstated areas at three monthly intervals for a period of 12 months after construction and six monthly for the following 12 months. The Requiring Authority shall submit a Reinstatement Report to the Council within one month of completion of each monitoring inspection. The Requiring Authority shall as soon as practicable undertake any remedial work identified in the Reinstatement Report as necessary to achieve the outcomes specified in the Reinstatement Management Plan submitted pursuant to Condition 4.1.

4.3 Where the designation is within road reserves, the Requiring Authority shall engage a Council approved suitably qualified independent consultant to undertake a before and after construction assessment based on a Road Asset Management requirement including RAMM condition rating survey and High Speed Data rating survey of every road in which the pipeline is located. The consultant shall prepare an Initial Road Reinstatement Report as soon as practicable after completion of construction works and submit that Report to the Council. The Requiring Authority shall as soon as practicable as required by the Council undertake any remedial work identified in the Initial Road Reinstatement Report as necessary to ensure that the roads are reinstated to the same standard as prior to construction.

- 4.4 Within road reserves, the Requiring Authority shall monitor the areas where work has been undertaken pursuant to the Initial Road Reinstatement Report at three monthly intervals for a period of 12 months after remediation. The Requiring Authority shall submit a Further Road Reinstatement Report to the Council within one month of completion of each monitoring inspection. The Requiring Authority shall as soon as practicable as required by the Council undertake any remedial work identified in any Further Road Reinstatement Report as necessary to ensure that the roads are reinstated to the same standard as prior to construction.

## 5. COMPLETION

- 5.1 The Requiring Authority shall submit to the Council detailed as-built pipeline alignment drawings of both pipelines within three months of the commissioning of the new pipeline. The as built drawings shall include geodetic coordinates for all key locations in agreed electronic format.
- 5.2 Where any maintenance, upgrade or renewal works result in amendments to the as-built pipeline alignment drawings, updated drawings shall be provided to the Council within three months of the commissioning of those new works.
- 5.3 The Requiring Authority shall submit to the Council a detailed as-built specification of the road works reinstatement undertaken in accordance with the Papakura District Council Asset Data Standards Specifications dated March 2003 within one month of completion of the works.
- 5.4 The Requiring Authority shall give notice to the Council that it no longer wants the construction width of the designation pursuant to Section 182 of the Resource Management Act 1991 within three months of completion of the work.

## 6. PAKURA DISTRICT COUNCIL SPECIFIC CONDITIONS

- 6.1 All activities excluding construction and maintenance at the stations along the route shall be conducted and buildings located, designed and used to ensure that the noise levels within the notional boundary of any rural dwelling or the boundary of any residential dwelling does not exceed the following limits:

Monday to Sunday	7:00am - 7:00pm	50dBA (L <sub>10</sub> )
Monday to Sunday	7:00pm - 7.00am	40dBA (L <sub>10</sub> )

Noise levels shall be measured in accordance with the requirements of NZS 6801:1991 Measurement of Sound and assessed in accordance with the requirements of NZS 6802:1991 Assessment of Environmental Sound.

- 6.2 The Requiring Authority shall submit a Construction Noise Management Plan to the satisfaction of Council at least three months prior to commencing construction. The Plan shall be developed and implemented in accordance with Condition 2.16 for construction works along the pipeline and shall:
- Identify all occupied dwellings which are located within 40 metres of any area to be used for pipeline construction and installation purposes;
  - Provide predicted construction noise levels for all dwellings identified in clause (a); and

- c) Specify mitigation measures needed to achieve compliance with Condition 2.16 for all dwellings where required, or alternative strategies for ensuring that construction noise levels will be acceptable to the occupants of identified dwellings to ensure that these are acceptable to them.
- 6.3 Trenchless technology shall be used where the pipeline crosses a road pavement transversely irrespective of road hierarchy or traffic volume. The “Table 1: Traverse Pipeline Construction” in Appendix 1 attached to these conditions, highlights the road sections where trenchless technology shall be used.
- 6.4 Open trench construction must be used where the pipeline runs longitudinally within the road as set out in “Table 2 Longitudinal Pipeline Construction”, in Appendix 1 attached to these conditions.
- The length of open trench at any one time and at any one location shall be in accordance with drawing 9009-SK-001 Rev.B in Appendix 2 attached to these conditions, such that the length of trench open at the end of each days work is no greater than 10m, and that the trench will be backfilled completely where two lanes of traffic cannot otherwise be achieved. Traffic management shall be in accordance with the Traffic Management Plan required in Condition 2.4. Where two lane traffic cannot be maintained past the open trench, the trench shall be backfilled, with a temporary surfacing provided to a safe and trafficable condition to Councils Roothing Maintenance Contract No. PDC/03/02 dated March 2003, or a Council approved temporary method of bridging the open trench may be used to ensure that two lanes of traffic can pass safely over this section of road at the end of each day.
- Elsewhere trenches shall be backfilled flush with the adjacent road surface to a safe and trafficable condition at the end of the working day.
- 6.5 The road reinstatement detailed in Condition 4.3 must include the full resurfacing with the same surface material of either the lane width occupied by the pipeline or one half of the road carriageway including road marking, and repair to traffic islands.
- If construction activities affect both halves of the road carriageway to the extent that the ride quality is affected over the full width of the road carriageway then the full width of the carriageway must be resurfaced in accordance with Condition 6.6.
- Assessment of the width of the carriageway to be resurfaced will be as determined by the roading consultant appointed in accordance with Condition 4.3.
- 6.6 Reinstatement of the areas affected by construction activities within the road carriageway shall comply with the requirements of Condition 2.17 except that the carriageway areas must be resurfaced with TNZ Mix 15. Where the existing surface is asphalt, the existing surface shall be milled as specified in Councils Roothing Maintenance Contract No. PDC/03/02 and a Council approved membrane seal shall be applied to the milled surface, prior to placement of the asphalt..
- 6.7 Council reserves the right to undertake testing of the new road surface to ensure surfacing compliance with Council’s Roothing Maintenance Contract No. PDC/03/02 dated March 2003. Any surfacing that does not meet these performance standards shall be replaced as set out in Condition 6.6.
- 6.8 Regarding the requirement to provide as-built information in accordance with the asset data standards for Papakura District Council, NGC and their consultant shall provide as-built data on Papakura District Council’s standard forms for all Council assets that are disturbed or reinstated as a result of installation of the gas pipeline.

## ADVICE NOTES

1. Access to overhead electricity transmission lines, poles or supporting structures shall be maintained at all times in accordance with the Electricity Act 1992.
2. Guidelines for land consultation, agreement for entry for construction and grant of easement, and construction damage release are contained in the Land Access Code jointly published by Federated Farmers Institute of New Zealand Incorporated and the Petroleum Exploration Association of New Zealand and dated May 1997. NGC is encouraged to engage in a review of the Land Access Code with Federated Farmers.
3. The Requiring Authority is obliged to operate the pipelines and ancillary facilities in accordance with the requirements of NZ/AS2885: Pipelines – Gas and Petroleum Liquids, and the Health and Safety in Employment (HSE) Pipelines Regulations 1999 and for the existing pipeline in accordance with the authorisation issued for those facilities in terms of the Petroleum Act 1937.
4. All necessary consents must be obtained from the Waikato Regional Council and Auckland Regional Council prior to the construction of the new facilities. Consultation with Department of Conservation and other affected parties will be required as part of obtaining these consents.
5. A resource consent to authorise the transmission of gas beneath State Highway 1 will need to be obtained from the Council prior to commissioning of the pipeline.
6. An authority may need to be obtained from the New Zealand Historic Places Trust to destroy, damage or modify an archaeological site(s) in accordance with the Historic Places Act 1993.
7. Pursuant and subject to Section 36 of the Resource Management Act 1991 the actual and reasonable costs incurred by the Council in monitoring conditions of this recommendation shall be paid by the Requiring Authority.
8. The cost of repairing poorly reinstated trenches has been estimated at 5-15% of the maintenance programme for local authorities. This was analysed in detail in Transfund Research report No. 249 entitled "Impact of Poorly Reinstated Trenches on Roughness". The key performance indicators for assessing trench reinstatement are riding quality and surface defects which include corrugations, rutting and settlement. An assessment of the pavement performance can be made by back-calculation of Falling Weight Deflectometer (FWD) deflection data. The above noted surface defects can be measured before and after trenching using a laser profilometer (high speed data capture) for rutting, roughness, and texture depth.

# DESIGNATION 41 – CONDITIONS - APPENDIX 1

Table 1: Traverse Pipeline Construction

Table 1: Transverse Pipeline Construction

Road Name	Start (m)	End (m)	Area	Hierarchy	Start Name	End Name	Rural or Urban	No. of Lanes	Length	Way Width (m)	Volume of Heavy Vehicle's (%)	Existing Surface	Proposed Seal	Est'd ADT	Actual ADT	Recently Constructed or Upgraded proposed	Comments
AINFIELD RD (285)	2215	3663	ARDMORE	COLLECTOR	MILL RD	CORSAIR LANE	RURAL	2	1448	6.2	14	GRADE 3/5 CHIPSEAL		2800		2004/05 on 2005/06	Trenchless Construction Trenchless Construction
ALFRESTON RD (411)	1928	6225	ARDMORE	SECONDARY	MILL RD	ALFRESTON RD	RURAL	2	2083	7.5	14	GRADE 3/5 CHIPSEAL		3600			Trenchless Construction
CLVEDON RD (78)	1914	2226	ARDMORE	SECONDARY	BRIGHTWELL ST	DONNON RD	URBAN	2	322			GRADE 3/5 CHIPSEAL		7075			Trenchless Construction Trenchless Construction
FITZGERALD RD (322)	661	1430	DRURY	LOCAL	BROOKFIELD RD	FIELDING RD	RURAL	2	448	6.5	9	GRADE 3/5 CHIPSEAL		1366	1366	2005/06	Trenchless Construction Trenchless Construction
HAMLIN RD (306)	0	518	ARDMORE	COLLECTOR	COSGRAVE RD	H/P GAS LINE	RURAL	2	518	6.3	9	GRADE 3/5 CHIPSEAL		850			Trenchless Construction Trenchless Construction
HAMLIN RD (306)	518	854	ARDMORE	COLLECTOR	H/P GAS LINE	HAMLIN BRIDGE	RURAL	2	316	6.3	9	GRADE 3/5 CHIPSEAL		860			Trenchless Construction Trenchless Construction
HARRISON RD (471)	0	590	DRURY	LOCAL	QUARRY RD	END	RURAL	2	590	5	9	GRADE 4 CHIPSEAL		57	57		Trenchless Construction Trenchless Construction
HARRY DODD RD (482)	0	511	DRURY	LOCAL	APPLEBY RD	END	RURAL	1	627	4.6	9	GRADE 3/5 CHIPSEAL	SAME AS EXISTING SURFACE	50			Trenchless Construction Trenchless Construction
OLD WAIROA RD (114) - SEE NOTE 1	2043	2670	ARDMORE	LOCAL	END OF KERB & CHANNEL	END	RURAL	2	627	2.0	9	METAL ROAD		43	43	2005/06	Trenchless Construction Trenchless Construction
PAFARUACLEV EDON RD (470)	0	1038	ARDMORE	SECONDARY	DONNON RD	HEARD RD	RURAL	2	1038	7	14	GRADE 2 OR 3 CHIPSEAL		4112	4112		Trenchless Construction Trenchless Construction
PHILLIP RD (324)	784	1602	ARDMORE	LOCAL	OLD SEAL JOIN	END	RURAL	2	866	6	0	GRADE 3/5 CHIPSEAL		264			Trenchless Construction Trenchless Construction
PONGA RD (370)	0	1235	RED HILL	COLLECTOR	OPAHINE RD	JACK PATERSON RD	RURAL	2	1230	6.5	9	GRADE 3/5 CHIPSEAL		1339	1339		Trenchless Construction Trenchless Construction
QUARRY RD (382)	1251	1442	DRURY	COLLECTOR	POWER PHOEN (RD)	HARRISON RD	RURAL	2	391	7.8	9	GRADE 2 OR 3 CHIPSEAL		750			Trenchless Construction Trenchless Construction
QUARRY RD	1442	1831	DRURY	COLLECTOR	HARRISON RD	TELECOM MAST POSTS (RD)	RURAL	2	489	7.8	9	GRADE 2 OR 3 CHIPSEAL AC ZONE MK 10		750			Trenchless Construction Trenchless Construction
WAIHOE RD (381)	515	1344	DRURY	COLLECTOR	FITZGERALD RD	FIELDING RD	RURAL	2	728	7	9	GRADE 2 OR 3 CHIPSEAL		1600			Trenchless Construction Trenchless Construction
WALKER RD (381)	0	568	RED HILL	LOCAL	OPAREE RD	END	RURAL	2	565	6	9	GRADE 3 CHIPSEAL		12	12		Trenchless Construction Trenchless Construction

Note 1:

It is likely that prior to laying of the NGC pipeline that Old Wairoa Road will be upgraded to a 2 lane carriageway and sealed.

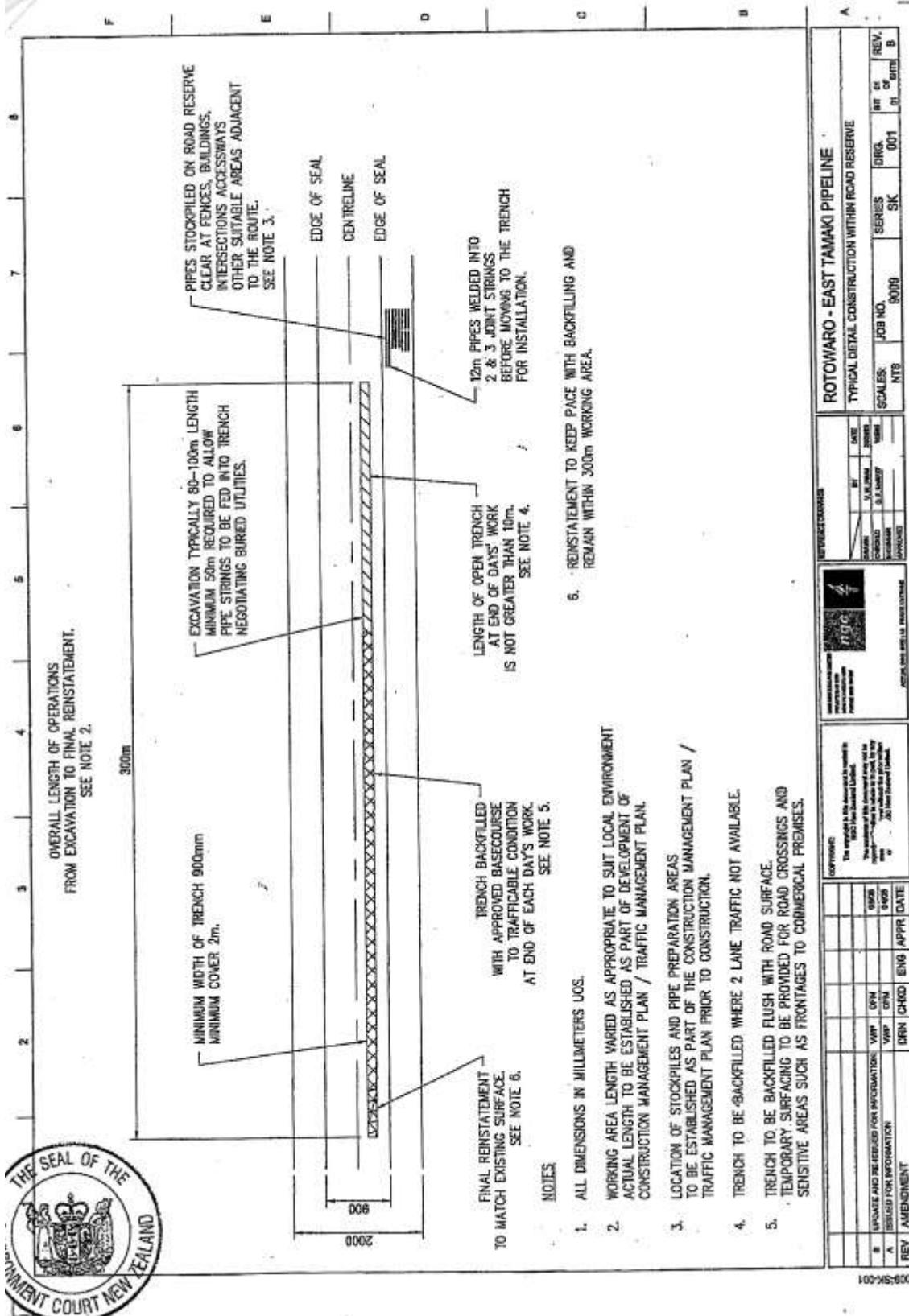
Table 2: Longitudinal Pipeline Construction

Table 2: Longitudinal Pipeline Construction

Road Name	Start (m)	End (m)	Area	Hierarchy	Start Name	End Name	Rural or Urban	No. of Lanes	Length	Cway Width (m)	Volume of Heavy Vehicle's (%)	Existing Surface	Proposed Seal	Est'd ADT	Actual ADT	Recently Constructed or Upgrade proposed	Comments
boundary Rd (87)	874	1473	Red hill	Secondary	NIMT Railway	Hunua Rd	Urban	2	799	8	3	Mix 10 AC	Mix 15 ac	1900	1540		Open trench construction
Crossley Rd (87)	0	243	Red hill	Secondary	Hunua Rd	Berline Pt	Urban	2	243	9.5	3	GRADE 2 CHEPSEAL MIX 10 AC	Mix 15 ac	1100			Open trench construction
Dominion Rd (87)	243	547	Red hill	Secondary	Berline Pt	Dominion Rd	Urban	2	304	9.5	3	Mix 10 AC	Mix 15 ac	1053	1053		Open trench construction
Dominion Rd (90)	0	566	Red hill	Secondary	Cleveland Rd	President Ave	Urban	2	566	7	3	GRADE 3	Mix 15 ac	3183	3183		Open trench construction
Dominion Rd (90/1448)	566	941	Red hill	Secondary	President Ave	Sheehan Ave	Urban	2	345	7.2	3	CHEPSEAL WITH MIX 10 AC AT SOME ROAD JUNCTIONS	Mix 15 ac	3200	2245	2004/05 (part)	Open trench construction
Dominion Rd (90)	941	1448	Red hill	Secondary	Sheehan Ave	Settlement Rd	Urban	2	507	7.3	3	Mix 10 AC AT SOME ROAD JUNCTIONS	Mix 15 ac	3200		2004/05	Open trench construction
Dominion Rd (90)	1448	1542	Red hill	Secondary	Settlement Rd	Crossley Rd	Urban	2	394	9.9	3	Mix 10 AC AT SOME ROAD JUNCTIONS	Mix 15 ac	4085	4085	2004/05	Open trench construction
Hunua Rd (126)	636	1385	Red hill	Secondary	Parker St	Boundary Rd	Urban	2	746	8.4	3	GRADE 3 CHEPSEAL MIX 10 & MIX 10 AC	Mix 15 ac	3600	3445		Open trench construction
Settlement Rd (285)	2159	2719	Red hill	Collector	Dominion Rd	Redcrest Ave	Urban	2	560	8	3	Mix 15 ac	Mix 15 ac	3300			Open trench construction

**DESIGNATION 41 – CONDITIONS - APPENDIX 2**

Drawing 9009-SK-001 Rev.B



## **DESIGNATION 42 - CONDITIONS**

### **WATERCARE SERVICES LTD – BOOST PUMPING STATION**

This designation is for the construction and operation of a boost pumping station for water reticulation purposes.

#### **CONDITIONS**

Pursuant to section 171(2)(a) of the Resource Management Act 1991, this requirement is subject to the following conditions:

1. The construction and operation of the boost pumping station shall be generally in accordance with the information and plans submitted with the Notice of Requirement being “Waikato River Water Source – Assessment of Environmental Effects” (Watercare Services Limited; February 1996) except where changes are to be made in order to give effect to the conditions that follow.
2. For the purposes of section 184 of the Resource Management Act 1991 this designation shall lapse fifteen years:
  - a. From the date on which it is included in the District Plan; or
  - b. From the date the water permit no.960089 granted to Watercare by the Waikato Regional Council to authorise the taking of water from the Waikato River commences in terms of section 116 of the Resource Management Act 1991

Whichever is the later.

3. Noise from construction activities including both site development and building development, shall not exceed the limits recommended in, and shall be measured and assessed in accordance with, NZS 6803P:1984 or subsequent equivalent standards. “The Measurement of Assessment of Noise from Construction, Maintenance and Demolition Work”.
4. That a wheel wash cleaning facility, or a similar facility or technique, shall be utilised on the site to provide for the cleaning of vehicle tyres by the vehicle operators before vehicles leave the site so as to prevent the tracking of soil or other material onto the local roading network. Should any material be deposited on the local roads it shall be removed immediately by Watercare.
5. No staff or workers other than caretaker/security staff are to live on the site during the construction phase.
6. Watercare shall confer with the Council to establish personnel from each respective organisation for the purposes of direct liaison on all matters concerning the carrying out of the works associated with the proposal. This will provide each party with an efficient means of contact and provide for both regular and, if necessary, more immediate, conferring over the relevant parts of the construction of the proposal.
7. Engineering drawings and specifications are to be submitted to the Council for approval showing details and specifications in regard to stormwater management including

safeguarding against contamination of stormwater. The work proposed is to be to the satisfaction of the Council's Director of Regulation. Approval of the engineering drawings covering this matter is to be obtained before the release of building consents.

8. The external cladding of the building shall be in tones and textures compatible with the semi-rural environment in which the building will be erected. Green and brown tonings would be well regarded. Reflected surfaces shall be avoided.
9. A landscape plan shall be submitted to Council for its approval showing all hard and soft landscaping together with species and their approximate heights of maturity. Approval for this is to be granted before release of the building consent. Planting shall be undertaken in the first suitable planting season.
10. At the time of lodging an application for building consent or any subsequent form of building approval for the facility, a noise certificate is to be provided to the Council by a suitably qualified acoustic engineer stating that the following noise levels, measured at or within the boundary of any land zoned Residential or the notional residential boundary of any Rural zoned land, will be achieved by the proposed facility:

Monday to Saturday	7.00am to 9.00pm	50 dBA L10
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At all other times including Public Holidays		45 dBA L10
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Within 3 months of commencement of the activity on this site a suitably qualified acoustic engineer is to measure the actual noise levels of the facility and is to confirm to the Council that the above noise standards are being met.

The noise levels shall be measured and assessed in accordance with the requirements of New Zealand Standard NZS6801:1991 "Measurement of Sound" and New Zealand Standards NZS6802:1991 "Assessment of Environmental Sound", or other subsequent appropriate standard existing at the time.

11. The signage and its maintenance shall be to the satisfaction of the Council's Director of Regulation.
12. The vehicle entrance, vehicle accessways, vehicle manoeuvring areas and parking shall be formed, sealed and provided with stormwater drainage to the appropriate standards of the Council.
13. There shall be no floodlighting of the building or site.
14. The reticulation of all electricity supply systems and telecommunications systems shall be underground unless it is determined, to the satisfaction of the Council, that it is not practicable to do so.

15. Certified as-built plans are to be provided for all piped drainage with these plans being provided to the Council to the satisfaction of the Director of Works and Services of the Council.
16. A Health and Safety Plan is to be provided prior to the commencement of any works on Council land.
17. All necessary resource consents and other authorisations as may be required from the Auckland Regional Council must be obtained prior to any works commencing upon the site.
18. Watercare shall ensure that the following management plans are prepared and approved by the Council prior to the commencement of construction:
  - a. Structures Associated With The Pipeline – and more particularly that part relating to the boost pumping station.
  - b. Construction Traffic.
  - c. Erosion and Sediment Control.

All management plans prepared in accordance with this condition shall, in addition to the matters noted in conditions 19-21 hereof, set out the procedures to be followed and measures to be implemented by Watercare to ensure compliance with conditions 1-17 of this designation.

19. As a minimum the Structures Associated With The Pipeline (Boost Pumping Station) Management Plan shall include the following:
  - a. A description of the project.
  - b. A description of the construction activities and construction site management.
  - c. A description of the procedures to be used by Watercare to control the effects of construction activities and comply with the conditions of this recommendation including (but not limited to) those measures to be used to control construction noise, dust, sediment runoff, erosion, public use of roads, deterioration of the existing roading infrastructure, traffic safety, visual effects, and operational noise.
  - d. A description of the procedures to be used by Watercare to ensure adequate monitoring and liaison is undertaken with all relevant parties.
20. As a minimum the Construction Traffic Management Plan shall contain:
  - a. A description of the general responsibilities of Watercare.
  - b. A description of the procedures to be used by Watercare to ensure adequate monitoring and liaison is undertaken with all relevant parties.
  - c. A description of general traffic management procedures.
  - d. A description of the existing traffic environment.
  - e. A description of the estimated traffic generation and principal construction traffic routes.
  - f. A description of the procedures to be used by Watercare to control the effects of the construction activities and comply with the conditions of this recommendation including (but not limited to) those measures to be undertaken to control deterioration of the existing roading infrastructure, dust, noise, control of intersections, traffic safety, pedestrian safety and access to private property.

21. As a minimum the Erosion and Sediment Control Management Plan shall contain:
  - a. A description of the project.
  - b. A description of the methods to be used to control erosion and sediment runoff.
  - c. The procedures to be used by Watercare to ensure adequate control measures are implemented.
  - d. A description of the methods to be used to reinstate construction areas.
  - e. The procedures to be used to ensure that inspection of the control measures is undertaken regularly and also at the end of the project.
  - f. A statement of the various other procedures to be undertaken by Watercare to ensure adequate mitigation of environmental effects, and to comply with the conditions of this recommendation.
  
22. The management plans prepared in accordance with condition 18 hereof shall be submitted to the Council for approval. Management plans submitted to the Council shall be deemed to be approved after 20 working days of receipt unless notification is given by the Council within that period that the management plan has not been approved.
  
23. All activities undertaken by Watercare shall be in accordance with the management plans approved by Council.
  
24. Pursuant to section 36 of the Resource Management Act 1991 Watercare shall be responsible for paying for administrative charges relating to receiving, processing and recommending approval of the requirement. Watercare will be advised of the charges as they fall due, covering the fair and reasonable costs incurred by the Council and Watercare shall also pay Council's monitoring fees associated with its monitoring obligations as a consequence of the conditions on approval.

**DESIGNATIONS 43 AND 44 – CONDITIONS**  
**TELECOM NEW ZEALAND LIMITED AND TELECOM MOBILE LIMITED**

Designations 43 and 44 shall be subject to the following conditions:

1. New antennae or associated support structures shall not exceed 25m above ground level.
2. Any equipment transmitting radiofrequency energy shall comply with the exposure levels stated in New Zealand Standard NZS2772.1.1999.1 at any place where the public has reasonable access.

**(A16.1.63)**

**Papakura District Plan  
Proposed Plan Change No.13  
The Rural Plan Change**

# **Section Four, Part 2**

# **Significant Natural Areas**

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# 1 Significant Natural Areas

Details of Significant Natural Areas in the District are contained in the following schedule.

## 1.1 Significant Natural Areas Schedule

SNA Number	Name	Size (ha)	Habitat Type
1	Brookby Forest Remnants	4	10m tall mapou with a variety of podocarps emerging through. Totara, tanekaha, rimu and kahikatea are all present. Ponga (silver fern) dominates the mid tier. Mapped in detail as part of '4a' on Takanini Structure Plan map.
2	Brookby Forest Remnants	10	14m tall canopy of puriri and taraire with damp loving species, such as pukatea and wheki, present. Occasional emergent kahikatea, rewarewa and rimu. King fern was found growing well here. This is a threatened species that is very vulnerable to stock damage as it is highly preferred by stock. Mapped in detail as part of '4a' on Takanini Structure Plan map.
3	Alfriston Bush	5	Pukatea - rewarewa / totara - taraire
4	Burnsides Road Bush	2.4	Kahikatea treeland
5	Burnsides Road Bush	1.6	Kahikatea treeland
6	Burnsides Road Bush	2.4	Kahikatea treeland
7	Kirks Bush Scenic Reserve	7.6	Totara, tawa, taraire, titoki (Karaka)
8	Butterworths Bush	0.7	Mixed broadleaf canopy
9	Kaipara Road Eastern Gully Bush	3.6	Tanekaha, Kanuka, Ponga (- Putaputaweta - Mamangi)
10	Kaipara Road Bush	9.2	(Kahikatea - tanekaha) / kanuka (-puriri)
11	Margans Bush reserve	5.6	(Rewarewa) / taraire - tawa - kahikatea canopy Kanuka canopy over privet subcanopy
12	Red Hill Forest Scenic Reserve	21	Taraire forest
13	Opaheke Bush	2.3	(rewarewa - pines) / kahikatea - puriri canopy
14	Ponga Road Forest Remnants, incl. Middleton Road Bush	560	Large area including good sized blocks of regenerating broadleaf-podocarp forest with dominant canopy species being taraire, rimu, rewarewa, miro, kauri, tanekaha, together with areas of kanuka - manuka. There is also a significant maire tawake swamp association in one valley. Taraire forest Miro / tawa forest

SNA Number	Name	Size (ha)	Habitat Type
15	Harrison Road Bush	5.54	Lowland alluvial terrace/riparian forest with two disjunct areas of kahikatea & totara dominance. Titoki common.
16	Maketu Forest Remnants	3 8.9 (A17.1.14)	<del>18m tall rimu/rewarewa forest. Forest is relatively young, with no large trees. Ponga, totara and kanuka are also present in the canopy. Ponga is now dominant in the mid-tier because of long-term animal browsing.</del> Two different vegetation types are present within this site. The larger portion of the bush area consists of 12 m tall puriri forest which is a mosaic of tree associations including kahikatea, totara, kohekohe, rimu and rewarewa. The smaller portion of this site includes 18 m tall rimu/rewarewa forest. This part of the forest is relatively young, with no large trees. Ponga, totara and kanuka are also present in the canopy. Ponga is now dominant in the mid-tier because of long-term animal browsing. (A17.1.14)
17	Estate Bush	14	Good example of secondary kauri-podocarp forest on lowland foothills. Kauri dominant throughout, including emergent tier with kahikatea, rewarewa and tanekaha. Continuous canopy dominated by these species and rimu, taraire, puriri, with some pukatea.
18	Ardmore Bush	373	Moderately large area with a variety of different vegetation types. Podocarp - broadleaf forest as remnants joined by cut-over regenerating areas together with adjoining kanuka - treefern scrublands. Dominant canopy elements in forest include kahikatea, puriri, rimu, totara, mamaku treefern with some taraire, kohekohe and pukatea. Regenerating kanuka with mamaku and silver fern adds to the area. Lacks fencing, goats throughout (farmed), possums a problem
19	Hunua Gorge Bush	83	Regenerating podocarp - broadleaf/kauri forest on one side of mostly steep gorge. Diverse canopy of miro, kauri, rimu, northern rata, rewarewa, tawa, kahikatea, taraire and mamaku treefern. Variable ages with some areas near Hays Creek Reservoir being only 10-15 years old and composed of a diversity of shrub and treefern species with little kanuka. Goat and possum signs throughout.
20	Kauri View Road Bush	18.7 (A17.1.23)	Kahikatea, kanuka, taraire, pukatea, nikau, puriri, mamaku and ponga, occasional rimu and group of kauri on the ridge. Some tree privet on the margin. Semi-coastal forest.
21	Harry Dreardon Scenic Reserve	7 (A17.1.23)	Kahikatea dominant over kohekohe, puriri, totara, karaka, rimu, kanuka, nikau, mapou, mahoe, ponga, kawakawa, and karamu, leather-leaf fern present.

SNA Number	Name	Size (ha)	Habitat Type
			Macrocarpa, five-finger, tree and Chinese privet, banana passionfruit and ivy present
22	Appleby Road Bush	<u>7.5</u> (A17.1.23)	Kahikatea and occasional rimu over taraire, kohekohe, nikau, pukatea, puriri, ponga, mapou, kanuka, and cabbage tree, occasional kauri and emergent rewarewa, epiphytes kahakaha and leather-leaf fern present; good understorey. Advanced secondary podocarp-broadleaved forest
23	Drury Hills Road Bush 1	5.6	Kahikatea dominant over taraire mature kanuka along margins, occasional rewarewa, pukatea; fenced off from stock.
24	Drury Hills Road Bush 2	3.5	Kahikatea over taraire and pukatea, occasional rimu, nikau, ponga and young rewarewa, epiphytes hound's tongue and kahakaha present. Fenced off from stock.
<u>25</u> (A17.1.14)	<u>Creightons Road Swamp</u>	<u>0.2</u>	<u>Small raupo swamp with some rushes and sedges. Surrounded by farmland with no protection from stock grazing the margins.</u>
<u>26</u> (A17.1.14)	<u>Jones Road Swamp</u>	<u>0.2</u>	<u>Small swamp dominated by raupo with some wheki, bracken with rushes and sedges around margins. Some open water in the associated stream. Stock damage. Pine tree and shrub cover on one side, steep pasture on the other.</u>
<u>27</u> (A17.1.14)	<u>Phillip Road Kahikatea Forest</u>	<u>2.22</u>	<u>15 to 20 m tall dense canopy of mainly 30-40 cm diameter kahikatea. Another major species in this remnant is titoki, a characteristic tree of fertile alluvial flats. Other species include karaka, rimu and taraire.</u>
<u>28</u> (A17.1.14)	<u>Mill Road/Phillip Road Kahikatea Forest</u>	<u>0.56</u> <u>0.20</u> <u>0.23</u> <u>0.60</u>	<u>15 m tall kahikatea canopy with very few plants present beneath.</u>
<u>29</u> (A17.1.14)	<u>Alfriston Road Totara Forest</u>	<u>1.4</u>	<u>10 m tall totara canopy with very few plants growing beneath.</u>
<u>30</u> (A17.1.14)	<u>Alfriston Road/Ranfurlly Road – Mixed podocarp/broadleaf forest</u>	<u>1.76</u> <u>0.55</u> <u>1.26</u>	<u>The vegetation in these remnants is of a wide variety of podocarp and broadleaf tree species. These include totara, kahikatea and rimu. Kauri is uncommon. Taraire is the most common broadleaf tree in the forest canopy, although there are quite numerous puriri and tawa present.</u>
<u>31</u> (A17.1.14)	<u>Ohiwa Rd – Mixed kahikatea/Small leaved/broadleaved forest</u>	<u>8.26</u>	<u>Treefern dominated cover with larger kanuka and kahikatea in the gully.</u>