



The Department recommends that you contact the Department of Conservation Office closest to where the activity is proposed to discuss the application prior to completing the application forms. Please provide all information requested in as much detail as possible. Applicants will be advised if further information is required before this application can be processed by the Department.

This form is to be used when the proposed activity is the tenancing or use of any existing facility or structure that is managed by the Department of Conservation on public conservation land. Examples may include permanent use of historic building for a business or a community group; leasing a campground or lodge. This form is to be completed in conjunction with either Applicant Information Form 1a (longer term concession) or Applicant Information Form 1b (one-off concession) as appropriate.

Please complete this application form, attach Form 1a or Form 1b, and any other applicable forms and information and send to Department of Conservation Office closest to where the activity is proposed. The Department will process the application and issue a concession if it is satisfied that the application meets all the requirements for granting a concession under the Conservation Act 1987.

If you require extra space for answering please attach and label according to the relevant section.

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## **A. Description of Activity**

Please describe the proposed activity in detail – where the site is located, what you intend to use the building for, whether you intend to make any changes to the infrastructure.

Please include the name and status of the public conservation land, the size of the area you are applying for and why this area has been chosen.

If necessary, attach further information including a map, a detailed site plan and drawings of proposal and label Attachment 3b:A.

Vodafone currently operates a wireless telecommunication facility at Trig Road, Pauanui. The facility has been in place since 2004. The existing concession is due on 30 November 2019..

Vodafone seeks to renew this concession to ensure continued mobile phone services to Pauanui. The existing facility consists of a 28m mast and associated antennas and equipment together with an equipment shelter within fenced area.

The effects of this activity are minor as the facility is well established on the site being in place since 2004.

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## **B. Alternative sites considered**

If your application is to **build, extend or add** to any permanent or temporary structures or facilities on public conservation land. Please provide the following details:

- Could this structure or facility be reasonably located outside public conservation land? Provide details of other sites/areas considered.
- Could any potential adverse effects be significantly less (and/or different) in another conservation area or another part of the conservation area to which the application relates? Give details/reasons

N/A – existing facility.

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## **C. Larger area**

Is the size of the area you are applying for **larger** than the structure/facility

**YES**

If **yes**, please detail the size difference in the box below, and answer the following 3 questions, if **no** please go on to the next section:

The mast and shelter are located within a fenced area of 7.2 x 11.9m<sup>2</sup> fenced area (approx) as shown on the attached plans.

Is this necessary for safety or security purposes?

**YES**

Is this necessary as an integral part of the activity?

**YES**

Is this essential to carrying on the activity?

**YES**

If the answer to any of the above is yes, please provide details and attach supporting evidence if necessary and label Attachment 3b:C.

Please see plan (Labelled 3b:c)

Site plan shows mast and associated equipment

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## D. Exclusive possession

Do you believe you need **exclusive possession** of the public conservation land on which your structure/building is located, ie can anyone use the land during your use of it? **YES**  
(*Exclusive occupation requires a lease which requires public notification of the application*)

If **yes**, please answer the following 3 questions, if no please go to the next section:

Is exclusive possession necessary to protect public safety? **YES**

Is exclusive possession necessary to protect physical security of the activity? **YES**

Is exclusive possession necessary for the competent operation of the activity? **YES**

If the answer to any of the above is yes, please provide details and attach supporting evidence if necessary and label Attachment 3b:D.

We need exclusive possession of the lease areas only.

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## E. Technical Specifications (for telecommunications sites only)

### Frequencies on which the equipment is to operate

- 900MHz -> UL: 899.8-915MHz and DL: 945-960MHz
- 1800MHz -> UL: 1760-1785MHz and DL: 1855-1880MHz
- 2100MHz -> UL: 1920-1945MHz and DL: 2110-2135MHz

### Power to be used (transmitter output)

- 900MHz -> 6 x 60W
- 1800MHz -> 6x60W
- 2100MHz -> 6 x 60W

### Polarisation of the signal

- 900 & 2100 MHz X-pol (cross polar)

### Type of antennae

- 900, 1800 & 2100MHz **Triple**-band antennas -> 3x Kathrein 742270V03

### The likely portion of a 24 hour period that transmitting will occur

- 24/7

### Heaviest period of use

- (9am – 9pm).

Note that both TV3 and Telecom collocate on this site and will have their own separate agreements with Department of Conservation.

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## **F. Term**

Please detail the length of the term sought (i.e. number of years or months) and why.

*Note: An application for a concession for a period over 10 years must be publicly notified, an application for a concession up to 10 years will not be publicly notified unless the adverse effects of the activity are such that it is required, or if an exclusive interest in the land is required.*

9 years and 364 days

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## G. ENVIRONMENTAL IMPACT ASSESSMENT

This section is one of the most important factors that will determine the Department's decision on the application. Please answer in detail.

In column 1 please list all the locations of your proposal. In column 2 list any special features of the environment or the recreation values of that area. Then in column 3 list any effects (positive or adverse) that your activity may have on the values or features in column 2. In column 4 list the ways you intend to mitigate, remedy or avoid any adverse effects noted in column 3. Please add extra information or supporting evidence as necessary and label Attachment 3b:G.

Refer to Steps 1 and 2 in your Guide to Environmental Impact Assessment to help you fill in this section.

| Location on public conservation land | Special feature or value | Potential effects of your activity on the feature or value (positive or adverse) | Methods to remedy, mitigate or avoid any adverse effects identified   |
|--------------------------------------|--------------------------|--|---|
| Pauanui Conservation Area            | Natural character        |  | The full extent to which natural character has been affected already exists. The continued operation of Vodafone equipment will not increase this effect.   |
|                                      | Noise & Emissions        |  | There will be no additional noise generated from the existing structure on the site. The proposed activity can comply with the permitted noise levels stated in the District Plan, which indicated an acceptable level of effect can be achieved.<br><br>The continued operation of the cellsite would not cause any odour emissions, generation of solid waste or any discharge of liquid waste. |
|                                      | Visitors                 |  | Visitors to the site would be confined to maintenance persons inspecting the facility at the location.  |
| Health & Safety Issues               |                          |  | Radio and cellular telephone antennas communicate by transmitting low levels of non-ionising electromagnetic energy. The effects of the electromagnetic energy on human health have been the subject of extensive   |

scientific study and a number of countries throughout the world have set minimum recommended standards for exposure to electromagnetic energy.

The NZ Standards Association has established a standard for exposure to radio frequency emissions as set out in the NZ Standard NS 2772.1 (1999). This was approved on April 30 1999. This is based upon ICNIRP guidelines and is aligned with internationally recognised and accepted exposure levels.

The existing location of the antennas on the tower will ensure that the safety distances of the New Zealand Standard are met where any member of the public may approach the antennas. Again, the proposed activity can comply with the permitted activity standard in the District Plan, which indicated an acceptable level of effect can be achieved.

The existing site has been installed in accordance with all other relevant safety standards. The installation includes a high level of protection against the risk of lightning.

#### Effect on other transmission frequencies

The existing radio equipment operates within frequency bands allocated by the NZ Government. In addition, the facility operates at a low power output. Consequently the continued operation of the cellsite will have no effect on the operation or reception of other transmission

frequencies including AM/FM radio, television, CB, VHF, HAM or any other emergency service frequency.

The site would not in itself foster recreation. However, it would provide a service to persons accessing the surrounding area for recreation purposes, in that it will ensure continued communication facilities are available.

Existing facility has been consented.

Existing facility. Not required.

**Recreation**

**The Resource Management Act**

**The Building Act**

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## **H. Other**

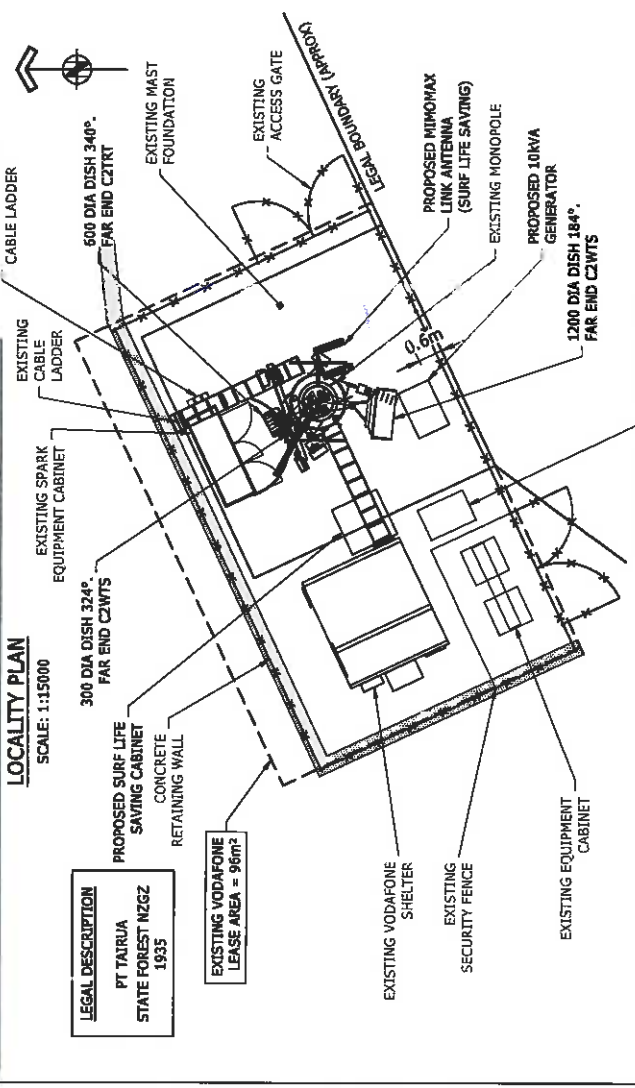
Is there any further information you wish to supply in support of your application? Please attach if necessary and label Attachment 3a:H.

Attached – copy of existing DOC Concession

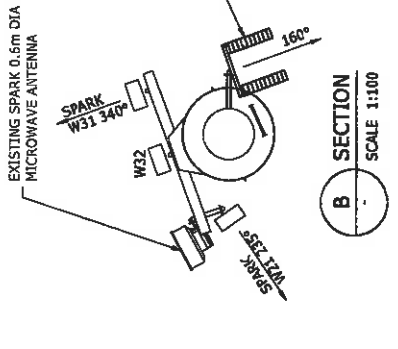


Attachment 36: C

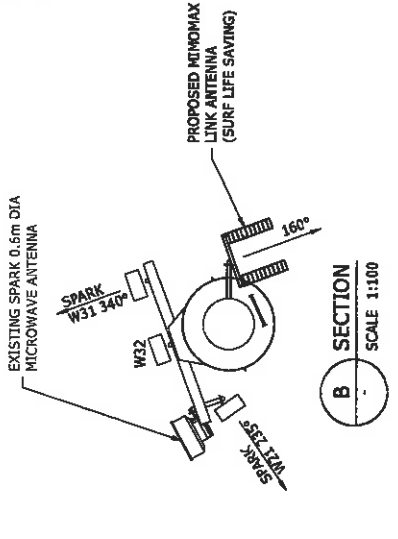
**NOTES**  
 1. THIS DRAWING HAS BEEN CREATED USING INFORMATION PROVIDED BY ARROW INTERNATIONAL. HG HAS NOT INDEPENDENTLY CHECKED THESE ELEMENTS ON SITE.



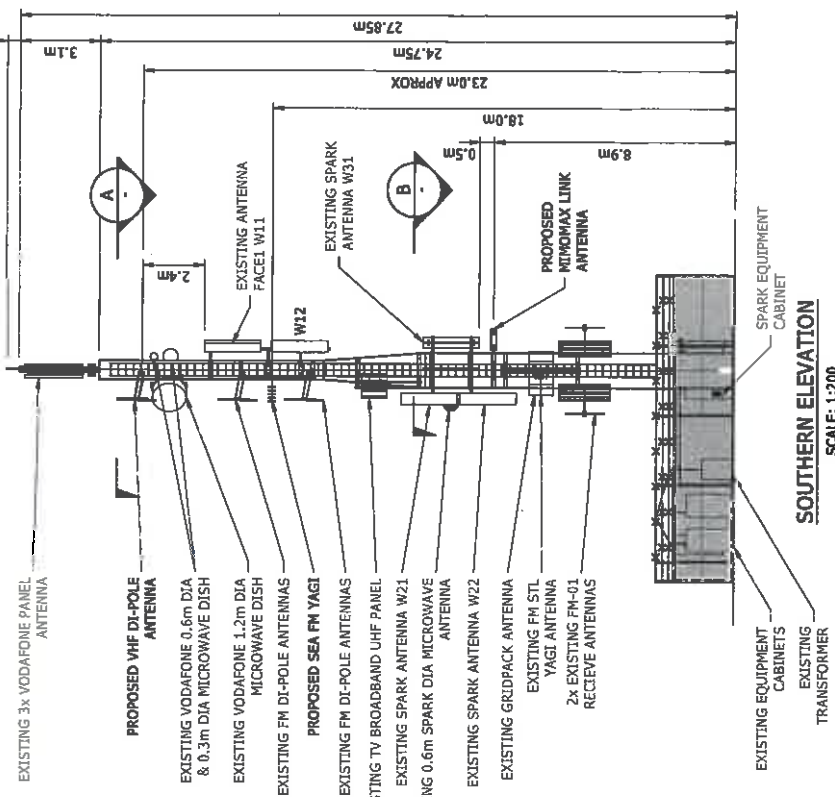
**SITE PLAN**  
 SCALE: 1:200



**A SECTION**  
 SCALE 1:100



**B SECTION**  
 SCALE 1:100



**SOUTHERN ELEVATION**  
 SCALE: 1:200

| NO. | REVISION            | DATE    | BY  | CHKD BY | APP'D BY | DESCRIPTION |
|-----|---------------------|---------|-----|---------|----------|-------------|
| 1   | FOR CLIENT APPROVAL | 04-2015 | JAM |         |          |             |
| 2   | FOR CLIENT APPROVAL | 04-2015 | JAM |         |          |             |
| 3   | FOR CLIENT APPROVAL | 04-2015 | JAM |         |          |             |
| 4   | FOR CLIENT APPROVAL | 04-2015 | JAM |         |          |             |

|  |  |  |   |                          |  |   |
|--|--|--|---|--------------------------|--|---|
| <p>Projects, Strategy and Delivery</p> | <p>MOBILE TELECOMMUNICATIONS NETWORK</p> | <p>HEALTH CARE CONSULTING ENGINEERS<br/>       100 RIVER TERRACE<br/>       SYDNEY NSW 1512<br/>       PH: +61 2 9550 4000<br/>       WWW.HEALTHCARECONSULTING.COM</p> | <p>PROJECT: VODAFONE NZ LTD<br/>       PAUANUI - SOUTH (CRPUS)<br/>       TRIG ROAD, TAURUA</p> | <p>TITLE: SITE PLANS</p> | <p>DATE: 04-2015<br/>       DRAWN BY: JAM<br/>       CHECKED BY: JAM<br/>       APPROVED BY: JAM</p> | <p>FOR CLIENT APPROVAL<br/>       SP-03</p> |
|--|--|--|---|--------------------------|--|---|

