

4 Proposal

This application relates to the establishment, operation and maintenance of a telecommunication facility at 436 Onemana Drive, Onemana, Coromandel. The Application is for a Non-Complying activity under the requirements of the operative District Plan.

The specific features of the proposed facility are discussed below and further described and illustrated in the Site and Land Plan included in **Appendix B**.

4.1 Mast

A freestanding climbable monopole, of approximately 15 metres in overall height. The monopole will be in the order of 1.2 metres in diameter at its base tapering to 0.75 metres at its top. The mast will be of a non-reflective matt grey appearance.

4.2 Antennas

Up to six panel antennas will be attached to the monopole to a maximum height of 15 metres above ground level. Each of the antennas will measure 1600mm (h) x 370 mm (w) x 250mm (d).

A 0.6 metre diameter microwave dish antenna will be attached to the monopole. The dish will be mounted below the panel antennas at a height of approximately 12 metres above ground level.

The plumes for the proposed antennas are included in the National Environmental Standards for Telecommunications Facilities (NES). A Radio Frequency Report is included in **Appendix D**.

4.3 Ancillary Equipment

Ancillary to the antennas will be hardware equipment fixed to the mast and mounted behind the proposed antenna positions.

It is important to note that these are not antenna, rather a type of amplifier which assist in overcoming performance and efficiency challenges typically associated with 4G technologies.

4.4 Equipment Cabinet

An equipment cabinet is identified within the lease area at the base of the mast. The maximum dimensions of which will be 1.65m (h) x 1.62m (w) x 0.86m (d). The cabinet will be of a non-reflective matt green appearance.

4.5 Power Supply, Access and Security

Power will be supplied to the facility through the existing power meter on site or from the power supply available at Onemana Drive. The proposed routes are illustrated on the Site and Land Plans included in **Appendix B**.

The entire facility will be located within a 17.5m² lease area (3.5 m x 5 m), which will be enclosed by a fence. The site will be accessed from Onemana Drive and access to the facility's components will be restricted to authorised personnel.