



23 July 2019

Spark Temporary Telecommunication Facility 209 Molesworth Drive

In attendance from Spark:

- Graeme McCarrison – Engagement and Planning Manager
- Barry Savage – Radio Frequency (RF) Engineer
- Gill Evans - Community Engagement Manager

Talking points:

- Mobile and digital service is delivered to Mangawhai Village by a single sector of an existing three sector site
- This site has reached maximum capacity
- Data usage in the Mangawhai area increased by over **700%** and predictions suggest that this figure will only grow.
- Community users, including emergency services, will inevitably experience issues like dropped calls, black spots and loss of connectivity to services.
- A permanent solution is required
- Whilst working with Council Spark want to support mobile and digital use in the wider Mangawhai area with a temporary solution for Rugby World Cup 2019 (RWC) and the intense summer period
- From early December 2018 to late January 2019 Spark supported the additional pressure placed on the on the existing site by deploying a COW (Cellsite On Wheels) in the same location as is requested today.

Proposal

The proposal is to install and operate a temporary Spark telecommunication facility as shown below in the carpark of 209 (also known as 191 to 221) Molesworth Drive, Mangawhai to

support the current Spark site that has reached maximum capacity and can no longer support mobile and digital service expectations of community users.

The land area proposed for the installation is leased to Mangawhai Bowls Club and sub-leased to Mangawhai Club. Spark had a similar facility in this location during the 2018 Christmas period. The facility was installed from 1 December 2018 and through to the end of January 2019.

Currently, most mobile traffic for Mangawhai is provided through a single sector of an existing site up on the hill off Cove Road. This single sector is one of New Zealand's busiest sites delivering voice (3G), data (4G) and wireless broadband services to users. The site has now reached maximum capacity.

During the Christmas holidays this site does not have capacity to accommodate the significant increase in users. The same issues are expected during the Rugby World Cup 2019 (RWC).

Spark has requested to install a temporary facility during the RWC (from 1 August 2019 to 30 November 2019) and during the Christmas 2019 (1 December 2018 and through to the end of January 2019). The proposed facility is known as a COW (Cellsite On Wheels - see below photo). The facility for the Christmas 2018 period is 3G (voice calls) and 4G (data) capable. A COW is a trailer with a telescopic pole that extends up to 15m and is guyed for support. Spark requires an area of approx. 25-30sqm to allow for a height of 15m.

Why this location

The location within the Mangawhai Club carpark provides the required space and is adjacent to the Chorus fibre along Molesworth Drive making both power and fibre services readily available – enabling short term deployment.

Furthermore, the site is screened by natural vegetation which makes it less visually obtrusive. Additionally, this is the location of temporary facility deployed by Spark during the period 1 December 2018 to 31 January 2019. During that period no complaints were received regarding the quality of mobile or digital service delivered to users or the sites presence from either the public or users of the car park, namely the Managwhai Club and the Bowls Club, from whom

the Club sought permission to locate the COW in the form of a short term licence/permanent site?

Location of property:

209 Molesworth Drive, Mangawhai (Lot 1 DP 450057; 571496)

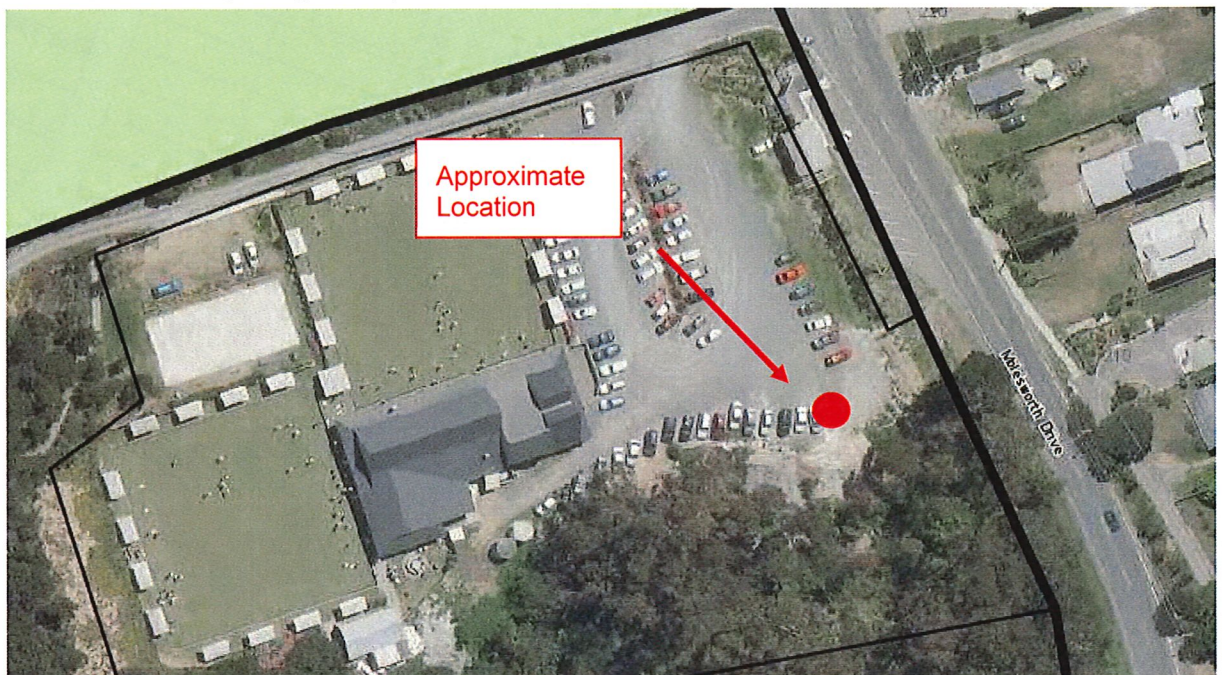
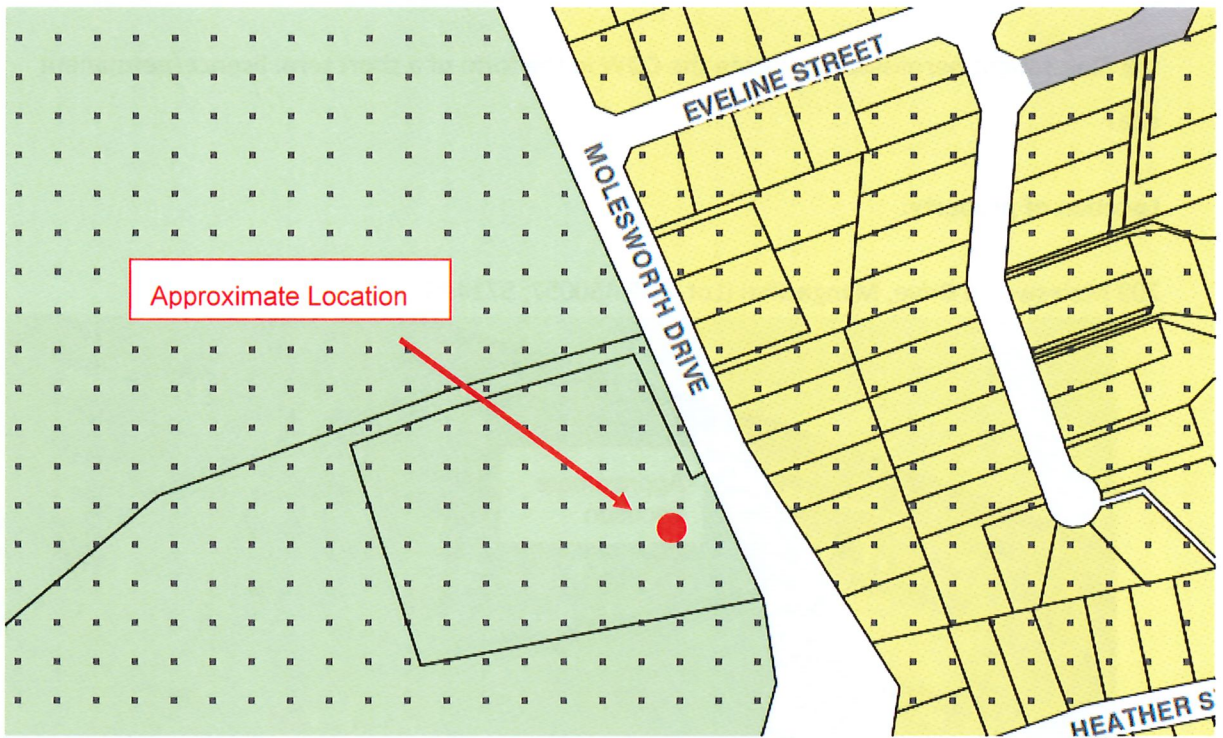


Figure 1: Proposed Location (Kaipara District GIS Maps)





COW example

Regulatory Framework

The temporary telecommunication facility will be located in the *Rural Zone* of the Kaipara District Plan. The site is in the Harbour Overlay. However, there are no rules restricting this activity regarding the overlay. The activity is assessed as a **permitted activity** under the *Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2016* (NESTF 2016) and the Kaipara District Plan allows for this activity to be carried out without a resource consent from Council.

Under regulation 55 of the NESTF¹, Spark is required to advise the Council, in writing, of the location of the facility and provide a pre-commencement report to show compliance with NZS

¹ This should be read in conjunction with the NESTF 2016, which can be found at <http://www.legislation.govt.nz/regulation/public/2016/0281/latest/DLM6697001.html>

2772.1 in accordance with AS/NZS 2772.2. Attached is copy of the 2018 RF report. A new report will be prepared and provided to Council before the site is established to confirm that the facility meets the requirement of Regulation 55(3) of the NESTF 2016.