



DA56560/2019 – Mobile phone base station at Koolewong. Summary of proposed changes following community consultation.

21st August 2019

In response to community consultation and feedback received during the development application notification period, Telstra have decided to modify two aspects of the proposal:

- Location of the proposed facility within the boundaries of Lot 111 DP1184661 has been relocated from coordinates -33.45893, 151.31344 to a new location approximately 43.6m northeast along the railway corridor, to coordinates -33.45859, 151.31367.
- Height of the facility to be reduced from 31.5m total height including antennas, down to 26.2m total height including antennas. This is a reduction in height of 5.3m.

These changes will mitigate the visual effect of the proposed facility on the surrounding area by making greater use of the existing tall mature trees and other vegetation in the strip of steep land between Glenrock Parade and the railway tracks. The new location further to the northeast allows for more vegetation screening, and moves the facility out of the direct line of sight from Glenrock Parade down to Brisbane Water. The 5.3m total height reduction assists the facility to blend with the forested hillside when viewed from Brisbane Water and the roads and public spaces along the edge of the waterway, and presents a smaller profile against Brisbane Water and the distant hills on the horizon at Frederick Point and Erina.

Several submissions regarding the original proposal also referred to the playground at the edge of Brisbane Water, raising concerns about environmental electromagnetic energy (EME). The playground is included in the updated Environmental EME Report and shows a maximum predicted EME level of 0.013% out of 100% of the public exposure safety standard set by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA).

Telstra propose a revised mobile telecommunications facility along the railway line at Koolewong, comprised of the following:

- a 25m high monopole with an overall height 26.2m including antennas;
- a slimline headframe at the top of the monopole to mount antennas and equipment;
- two (2) panel antennas, both with dimensions of 2533mm x 350mm x 208mm, mounted on the headframe;
- the installation of associated ancillary equipment, including two (2) Tower Mounted Amplifiers, two (2) Remote Radio Units, Combiners and Feeders; and
- one (1) Outdoor Unit (ODU) equipment cabinet (1300mm L x 700mm W x 1450mm H) at ground level, adjacent to the proposed facility.