

Appendix K: Te Kowhai Airfield

K1 Te Kowhai Airfield

This appendix is referred to in the Rural Zone building rules. The safe operation of aircraft using the Te Kowhai Airfield requires that there be obstacle-free air space around the airfield. The Civil Aviation Authority of New Zealand has adopted specifications defining the surfaces above which there must be no obstacles. These surfaces are known as obstacle limitation surfaces and are defined in terms of distances from the runway and heights relative to the runways.

The runway is on the following land: Lot 2 DPS 88922, Pt Lots 1 and 2 DPS 14906 contained in certificates of title SA70C/267, 40B/528 and 24B/1040.

K1.1 Runway and Associated Runway Strip is Defined as Follows

The runway and associated runway strip is defined as follows.

- (a) Runway: the runway is 983.7metres long and 15metres wide.
- (b) Runway strip: the runway is contained within the runway strip. The strip is 983.7metres long by 30metres wide. The coordinates and elevations of the four corners of the strip in terms of Mount Eden Circuit New Zealand Geodetic Datum 2000 and Moturiki datum are as follows:

mN	mE	Elevation
703825.26	434547.92	25.2
703797.25	434558.56	25.2
704146.43	435478.18	26.4
704174.44	435467.54	26.4

K1.2 Obstacle Limitation Surfaces

The obstacle limitation surfaces associated with this runway strip are defined as follows.

K1.2.1 Approach Surface

There is an approach surface at both ends of the runway strip. Each approach surface is a truncated fan originating from a 45metres wide base centred at the end of the runway strip. The approach surfaces extend either side of the extended centre line of the runway strip for a horizontal distance of 1200metres (1.2kilometres). Each approach surface rises upwards and outwards at a gradient of 1 vertical to 20 horizontal (1:20). The base of the western approach surface commences at a height of 25.2metres above Moturiki Datum and the base of the eastern approach surface commences at a height of 26.4metres above Moturiki Datum. The sides of the approach surfaces splay outwards at a rate of 1 vertical to 20 horizontal (1:20).

K1.2.2 Transitional Side Surfaces

The transitional side surfaces rise upwards and outwards from the sides of each approach surface at a gradient of 1 vertical to 4 horizontal (1:4) to a height of 28.5metres above Moturiki Datum.

K2 Planning Maps

The planning maps show the approach surfaces at a scale of 1:10,000. In the event of any inconsistency, this appendix will prevail.