

MPG AU Pty Ltd

Attn : Wesley Chong

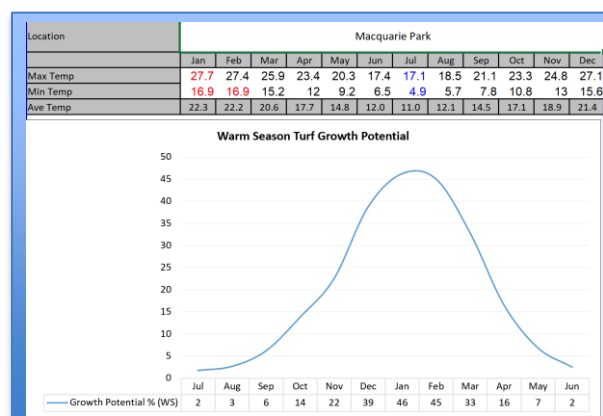
25 June 2021

Re Shading impact from proposed development at Ellis St Chatswood

Chatswood Croquet Club and Chatswood Oval turf was visually inspected on 25 June and appears to be in relatively healthy condition for this time of year. The croquet turf canopy has lower density at the N end due to shade from structures identified in the shading study. My observations at midday matched the shade diagram.



Based upon the supplied shadow diagrams for mid-winter, we can confirm that the proposed development does not increase shade on either the croquet club or oval to that already imposed by existing structures. The proposal itself will not negatively impact the turf condition of the croquet lawn or Chatswood Oval. Importantly, with the structure being to the south / south west of existing taller structures, the shadow diagrams for 21 June show all turf surfaces will be shaded by those buildings. Shade in winter has less impact because the couch grass is entering or in dormancy so the croquet green growth will be minimally impacted compared with shade in Summer. The greens will receive more sunlight from Spring till April which is the critical growth period for couch grass.



There will be a minor extent of shadow confined to a small non turf area in the north-east corner of the club property between 12:30pm - 1:30pm. Based on our finding on site, the area has shade cast from an existing solid boundary fence located along the southern side of the Scout's property.

In conclusion, we anticipate the proposal will have no additional impact on the long term health of the croquet lawn and Chatswood Oval given the shade currently imposed by existing structures.

Best regards

David Worrada B.Sc.Agr.

Turf Agronomist