

Your reference:

Our reference: 11GOSBUS-0100



ABN 87 096 512 088

3 May 2012

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Att: Geoff Bird

Dear Geoff,

**Re: Amended Requirements for a Bushfire Protection Assessment for  
Killara Golf Club – 556 Pacific Hwy, Killara**

Eco Logical Australia has been engaged by the Killara Golf Club to review a request by the Ku-ring-gai Municipal Council (KMC) regarding providing a bushfire protection assessment for a proposed development involving extensions and changes to the current fairways.

The land registers on the KMC Bushfire Prone Land Map potentially triggering the requirement for a Bushfire Protection Assessment (BPA) prepared in accordance with 'Planning for Bush Fire Protection' (RFS 2006), herein referred to as PBP.

The development consists of the amendments to golfing fairways only, and there are no proposed structural elements that require assessing under PBP. The vegetation structure that runs in strips between the fairways consists mainly of mature canopy trees with little or no understorey vegetation, which are subject to a constant maintenance program by the grounds keeping staff. This is consistent with the PBP classification of 'managed land' which is not considered a bushfire threat.

There is proposed mass planting of vegetation characteristic of endemic vegetation communities (Refer to Landscape Plans prepared by Taylor Brammer, Detail Planting Plan Links Paddock LA06-1, 2 & 3, Issue C, Dated 30.04.2012 and Planting Matrix- Hawkesbury Sandstone Complex LA-09, Issue C, Dated 30.04.2012).





Figure 1: Aerial photo of the subject land

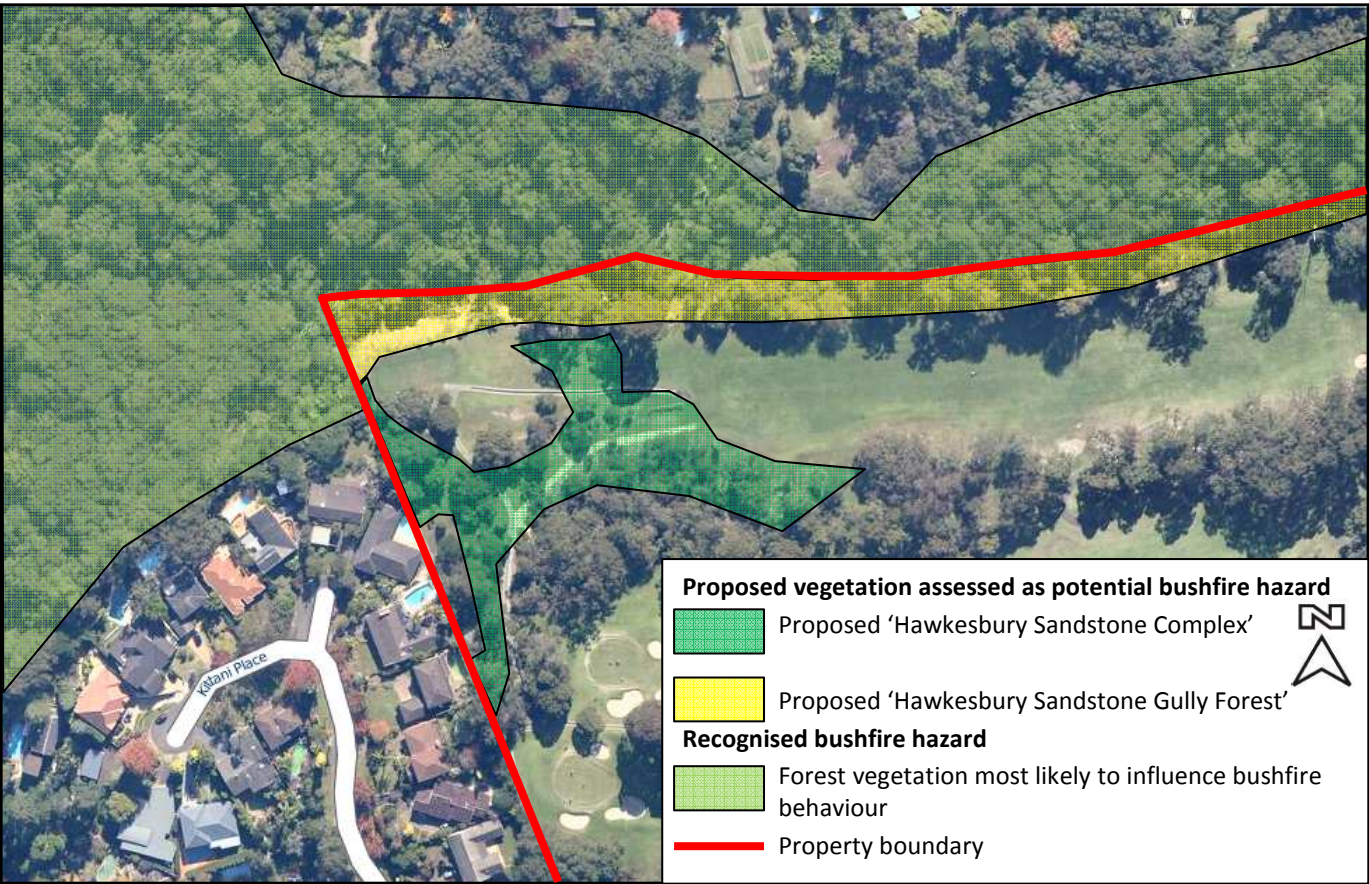


Figure 2: Aerial photo showing areas of potential and recognised bushfire hazards



The area to the north west of the golf course in the Links Paddock (Landscape Plans LA06-1, 2 & 3, Issue C, Dated 30.04.2012) where there is proposed Hawkesbury Sandstone Gully Forest (proposed to be remediaded in accordance with the Killara Golf Club: Links Creek Vegetation Management Plan, prepared by GHD and Dated November 2011) along Links Creek has been noted by KMC as being of concern regarding bushfire. The proposed replanting is a narrow band under existing canopy trees proposed to be retained. The planting and densities proposed are consistent with that of an Outer Protection Area (OPA) of an Asset Protection Zone (APZ) as per Appendix 2 of PBP. This will not significantly increase the bushfire threat to adjoining lands and therefore meets the aims and objectives of PBP.

There is an area to the north west (Refer to Figure 2) of the proposed Hole 4 (Landscape Plan LA06-1, Issue C) where there is proposed Hawkesbury Sandstone Complex (Landscape Plan LA09, Issue C) which KMC have noted as being of concern regarding bushfire. The proposed replanting is a small area adjoining the Lane Cove National Park (LCNP) to the west. The planting and densities proposed are consistent with that of an OPA of an APZ as per Appendix 2 of PBP. This will not significantly increase the bushfire threat to adjoining lands and therefore meets the aims and objectives of PBP.

The slope in this area of planting is shown in the Hole 4 Grading Plan, Drawing No. G.H4 as prepared by Cashmore Golf Design, Dated February 2011. The slope is significant at 17 degrees, once a slope reaches 18 degrees it has been determined by PBP pg 14, where it discusses the difficulties of managing vegetation on slopes and the environmental impact of potential of slope destabilization.

**Photo 1: Typical vegetation between fairways**



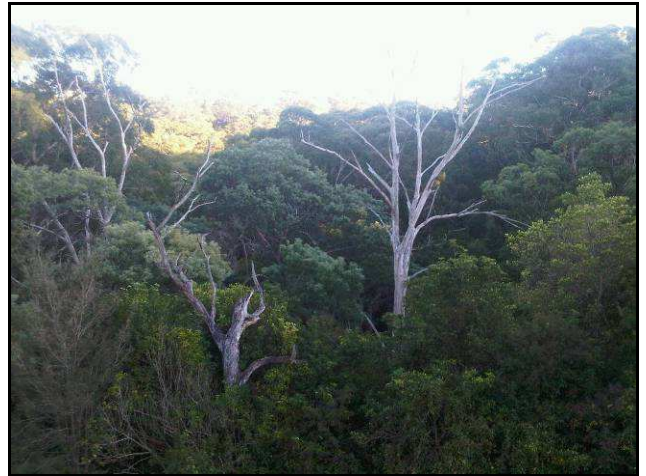
**Photo 2: Typical vegetation between fairways**



**Photo 3: Area of proposed revegetation along Links Creeks to the North**



**Photo 4: Vegetation in the LCNP occurring outside of the property boundary to the North West**



In conclusion, the proposed development does not require a formal assessment against PBP due to the type and nature of the development. The information in this letter shows that the project, including proposed landscape works, will be consistent with intent of PBP. In particular, the landscaped areas and surrounds, within the Killara Golf Course, have been assessed as managed land and therefore will not create additional significant bushfire hazards within the golf course itself or increase the overall level of bush fire risk to the adjoining residential dwellings and associated assets.

The hazard most influential to the surrounding properties including the Killara Golf Club lands is the bushland to the north west in the LCNP.

If you require further information in relation to this matter please contact me on the above number.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Josh Calandra'.

Josh Calandra

**Bushfire Consultant**

**FPAF BPAD Certified Practitioner No. BPD-PD-23276**