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Review of Crossover Methodology

It has been requested that we review and provide comments on an amended material and installation method for the proposed driveway crossover for 8 Surfers Parade, Freshwater. The proposed works being at the rear of the site backing onto Soldiers avenue and having the potential to impact a Heritage listed tree known as T1.

The proposed open graded asphalt described in the email from Northern Beaches council as '*The Open Graded Asphalt has large voids in porous asphalt mix allow drainage of surface water for increased safety in wet weather. This will provide adequate air circulation for the tree roots as well.*' Is a suitable product alternative to gravel or concrete and I am in agreement with it as a substitute from a tree impact perspective.

The installation of the asphalt will still require the following points to be met to minimise impact on the tree roots below that have been identified through root mapping.

- A one meter setback will be maintained from the closest edge of the structure to the tree when measured from the center of the trunk.
- Edging required to contain the asphalt laid on ground should be held in place with pins that avoid all major tree roots.
- Typically, asphalt requires compaction for optimum performance which has the capacity to damage the tree roots below. Cold mix asphalt requires less compaction and is recommended to be used over the standard hot mix.

Kind regards

Hugh Millington
Senior Consultant and Director