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11 Ilya Avenue, Bayview

Site Inspection: Suitability of Proposal from Geotechnical Perspective

The site was inspected on the 28<sup>th</sup> January 2020.

It is proposed to add a steel framed box like extension to the downhill side of the house. From a geotechnical perspective this is a relatively easy light weight build that is suitable for the steep slope location. The surface across the block appeared free from loose floating boulders that were observed a 100m to the W of the site. If these are absent from the subsurface profile construction of the foundations will be relatively straight forward. Foundation construction is slightly more difficult if they are present as the loose rock has to be dug out, but as stated the surface profile gives no indication of their presence on the site.

A pool is proposed below the extension. The same difficulties with foundation construction will occur if boulders are present in the subsurface profile but as with the house extension comments there are no indications of these being present from observation of the surface, in the location of the proposed pool.

The proximity of the large gum tree on the downhill side of the house may result in arborists requirements for the nearby foundations to be dug by hand so as to avoid damaging major root systems. This would need to be assessed and confirmed by an arborist.

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