

Subject: Tomasi Site - Bullendale Housing Extension

Date: Thursday, 12 October 2017 at 3:40:50 PM New Zealand Daylight Time

From: davidbell@bgconsult.co.nz <davidbell@bgconsult.co.nz>

To: Shane Fairmaid <shane@momentumprojects.co.nz>

CC: Buzz March <bmark@bmarkcon.co.nz>

Shane

Further to your email of Tuesday 10th October 2017, I have reviewed the proposed development for the Tomasi site and advise as follows:

1. The land area is partly on the Coronet Peak Landslide, and partly on an alluvial terrace sourced from the Shotover River. The "flat" ground you refer to is the alluvial terrace, and it will be similar to the lower part of the Bullendale site - except that you won't need to backfill an old sluice pond.
2. Geotechnically there are no issues with foundations on the lower part of the site, subject to the usual precautions with investigation and design. On the upper part this is not an active segment of the Coronet Peak Landslide, and again foundations and infrastructure can be realistically installed.
3. Construction of the upper road continuing from Morning Star Terrace will require appropriate drainage and retention, as it crosses a lower "trimmed" part of the Landslide. Likewise dwelling sites on this upper area will require similar measures to those being adopted for the upper part of Bullendale.
4. In summary, you and Buzz are correct in determining that there should be less geotechnical issues with the Tomasi "block", and BGL would be pleased to assist. We recommend mapping and test-pitting as an initial step to confirm suitability, and to provide a schedule of investigations and works.

Please note that I have given this a different BGL job number (1843) to reflect that it is a separate area and should be treated as such in the first instance. As we have other work in the Queenstown area we will be able to schedule time there at reasonable establishment costs.

Best wishes

David Bell (IPENZ Registration Number 113121)