

Appendix E: Geotechnical Report

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Sept 7/18
File 18-136

Re: Proposed Home, 9908 W. Coast Rd., Shirley Dist.
Geotechnical Considerations

This letter is further to an Aug 26 meeting at the above-referenced site, which is on the north side of West Coast Rd. Photos with notes are on Pages 3 & 4. The location of the proposed house is shown on the attached site plan, prepared by Vivi Curutchet.

The site slopes southward, toward West Coast Rd. The property is undeveloped and forested except the SW quadrant where there is exposed bedrock. There is an existing driveway which will be modified to access the house site.

The front (south) half of the property, including the house site, slopes southward at about 20°. The gradient steepens to about 35° within the back (upslope) half of the property. The bedrock within the front, left quadrant has been reviewed and found to be stable. No evidence of slope instability or rockfall was found during the site reconnaissance.

The selected house site is safe for the intended residential usage with respect to potential geotechnical hazards including slope instability and rock fall. Windthrow is a possible concern; review by an arborist is recommended.

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It is confirmed that the requirements for legislated Landslide Assessments (seismic design event of 2% probability in 50 years of exceedance) has been considered when assessing the site.

I trust that this information meets your present requirements. Please do not hesitate to contact the writer if there are questions.



Richard Brimmell, P.Eng.
for Brimmell Engineering Ltd.

cc: Emma Taylor – CRD
cc: Vivi Curutchet

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	<p>Looking west across the proposed house site</p>
	<p>Looking upslope (north) at the proposed house site and beyond</p>

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Outcropping bedrock within the SW corner of the property



Looking west across the proposed septic field site. The existing d/w is on the left.