

APPENDIX C: EMERGENCY AND FIRE NEW ZEALAND WRITTEN APPROVAL



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Mr and Mrs M and K Scurr
c/o Maaike Duncan
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29 September 2017

Dear Ms Duncan

FENZ: comments and approval on 119 Edinburgh Street, Waikouaiti, Dunedin

Beca is currently the consultant for Fire and Emergency New Zealand (FENZ), previously the New Zealand Fire Service. This letter is in direct response to a phone call and consequential emails regarding the proposed subdivision and land use consents at 119 Edinburgh Street, Waikouaiti, Dunedin. It has been requested that FENZ review the application and provide comments, recommendations and affected party approval (should both parties agree to recommendations / conditions).

The proposed activities are for a subdivision and a land use consent to establish a new dwelling on proposed Lot 2 with the existing dwelling on proposed Lot 1 being retained. The site is located within a rural zone under the Operative Dunedin District Plan. It is our understanding that the resource consent has yet to be lodged with Dunedin City Council.

The application states that the existing dwelling is currently serviced with electricity, telecommunications and water from the networks within Dumbarton St. A sewage system (including septic tank and effluent disposal field) is located to the east of the dwelling. It is proposed that the new dwelling will connect to the same electricity, telecommunications and water networks.

FENZ is concerned that there will be an insufficient supply of water for firefighting available to FENZ if it were required to respond to a fire emergency at this property. This increases the risk to life, property and the surrounding environment should a fire emergency occur. Given the distance of the site to the nearest fire station, East Otago Voluntary Rural Fire Force, and that the site is not publically supplied with sufficient flow for firefighting purposes, it is important that water supply is provided on site so that in the event of a fire it can be utilised to respond to the emergency.

FENZ considers the best way to achieve this is to comply with the New Zealand Standard for the provision of a firefighting water supply, known as the *New Zealand Fire Service Firefighting Water Supplies Code of Practice SNZ PAS 4509:2008*. This provides standards for the provision of a firefighting water supply in both

reticulated and non-reticulated systems and access to these supplies in order to enable FENZ to respond to a fire emergency efficiently and effectively. FENZ also considers that the most effective means of protecting future occupiers and property is the installation of domestic sprinkler systems in accordance with *Fire Sprinkler Systems for Houses NZS 4517:2010*.

FENZ also wishes to highlight the importance of providing adequate access to any on-site firefighting water supply that is installed as well as easy access to future dwellings on the site. Firefighting appliances require a minimum access width and clearance height of 4 metres when attending a fire emergency in order to reach both the future dwellings and the firefighting water supply in a timely manner.

The applicant has reviewed a similar application, on an adjacent property where FENZ submitted on the application seeking adequate supply and access to water for firefighting purposes. The applicant has proposed the same conditions that were recommended in the submission on the adjacent property (refer to page 5 of the document titled "Subdivision and Land Use Application 119 Edinburgh Street, 20 and 26 Rothesay St, Waikouaiti"). FENZ considers that these conditions are still relevant and would seek that these be included in this application.

FENZ applauds the applicant for the proactive review and is appreciative of the opportunity to provide comment on the application prior to lodging it with Council.

For completeness the recommended conditions are included below:

1. *At the time a dwelling is established on Lot 2, fire-fighting storage is to be provided. A minimum of 20,000 Litres shall be maintained at all times as a static fire-fighting reserve. Alternatively, a 7,000 litre fire-fighting reserve is to be made available in association with a sprinkler system installed to an approved standard.*
2. *The tank(s) and/or sprinkler system shall be installed prior to occupation of the dwelling.*
3. *A fire fighting connection in accordance with Appendix B – SNZ PAS 4509:2008 is to be located within 90 metres of any proposed building on site. In order to ensure the connections are compatible with the Fire and Emergency New Zealand equipment, the fittings are to comply with the following standards:*
 - a) *Either: for flooded sources – 70mm Instantaneous Couplings (Female) NZS4505, or for suction sources – 100mm Suction Couplings (Female) NZFS 4505 is to be provided.*
 - b) *Flooded and suction sources must be capable of providing a flow rate of 25 litres/sec at the connection point/coupling. The Fire and Emergency New Zealand connection point/coupling must be located so that it is not compromised in the event of a fire.*
 - c) *The connection shall have a hardstand area adjacent to it to allow for a Fire and Emergency New Zealand appliance to park on it. The hardstand area shall be located in the centre of a clear working space with a minimum width of 4.5metres. Access shall be maintained at all times to the hardstand area.*
 - d) *Underground tanks or tanks that are partially buried (provided the top of the tank is not more than 1.0m above the ground) may be accessed by an opening in the top of the tank whereby couplings are not required. A hardstand area adjacent to the tank is required in order to allow*

a fire service appliance to park on it and access to the hardstand area must be provided as above.

4. Fire fighting water supply may be provided by means other than the above if written approval of the Fire and Emergency New Zealand is obtained for the proposed method.

Given that the above conditions have been proposed by the applicant, and that the conditions are consistent with conditions usually recommended on similar applications, written approval is given for the proposed activities.

Should you wish to discuss any of the matters above, please contact the undersigned.

Yours sincerely

Alice Burnett

Planner

on behalf of

Beca Limited

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