

---

**From:** Jeremy Rees <[Jeremy.Rees@icc.govt.nz](mailto:Jeremy.Rees@icc.govt.nz)>  
**Sent:** Friday, 17 April 2020 4:30 pm  
**To:** James Long <[james.long@cosgroves.com](mailto:james.long@cosgroves.com)>  
**Subject:** RE: Project update

Hi James,

Thanks for having a chat before. Below is a summary of some considerations for the 3 waters at this initial stage:

#### Stormwater

- Attenuation of the site may be required. I am trying to confirm what we have allowed for the old Hawthorndale School. Once I confirm that I will let you know
- We expect treatment of the hardstand areas. This could be a proprietary device. You can use 5 mm/hr as the design event for flow based devices

#### Foulsewer

- Please let us know the design flow in l/s. Our design standard is 0.7 l/s/ha, however, this is often conservative. But it doesn't look like sewer will be an issue given the size of the main in Stuart St.

#### Water

- We prefer single points of supply, with firefighting supply separate to potable water (which would be metered). However we can look at this more closely once you know how the firefighting system will look like (hydrants, sprinklers)
- We prefer no inter-connectivity between the streets. The Stuart St units could be fed from Stuart St, but not linked to the rest of the development. Similar for Fairview Ave.

Let me know if you have any further queries,

Regards



## Jeremy Rees

---

### Manager - Engineering Services

[Jeremy.Rees@icc.govt.nz](mailto:Jeremy.Rees@icc.govt.nz)

Phone: 032111777 • DDI: 032111629 • Mobile: 0211571279

[www.icc.govt.nz](http://www.icc.govt.nz)

101 Esk Street, Invercargill, 9810 • Private Bag 90104

---

This message is for the named person's use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use, disclose, distribute, print, or copy any part of this message if you are not the intended recipient.

---