

**From:** Dawson, Kevin <Kevin.Dawson@yvw.com.au>  
**Sent:** Wednesday, 24 June 2020 2:58 PM  
**To:** Ben Champion  
**Cc:** Brooke, Nick; Gibb, Lauren; O'loughlin, Rosie; Fittock, Robert; Patrick, Paul  
**Subject:** RE: Yarra Ranges C193 - initial comments  
**Attachments:** image007.emz; image011.emz

Ben

Thank you for the opportunity to provide initial feedback on the proposed Yarra Ranges Planning Scheme Amendment C193 (Lilydale Quarry Redevelopment)

We have reviewed the available planning report & proposed planning scheme documents and offer the following comments-

***Drink Water/Non-drinking Water Supply-***

**Appendix Z - Engineering Service Report – Reeds Consulting**

**Section 3.2 Potable Water Reticulation (Drinking Water Supply)**

The current servicing strategy for this development no longer includes supply via two separate Water Distribution Zones (WDZs).

Phase 1 and part of Phase 2 will be initially supplied by Olinda-Mitcham WDZ, upto a maximum of 500 lots, from the existing water supply network in Hull Rd

Supply to the development will ultimately be from the Plantes Hill (Lilydale) Reservoir WDZ via the existing DN450 distribution water main in Maroondah Hwy. Once connected, the entire development will be primarily supplied via Plantes Hill Reservoir WDZ with alternate supply backup from Olinda-Mitcham WDZ.

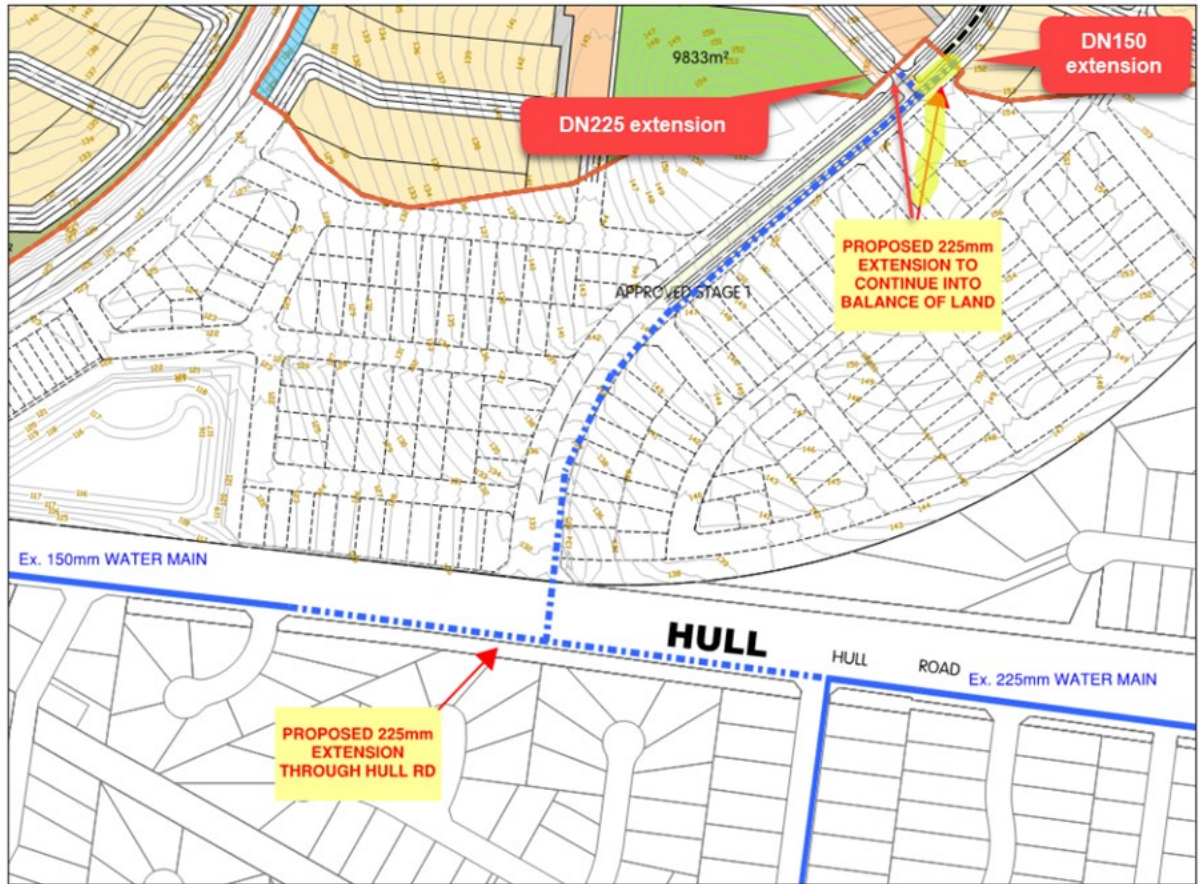
A PRV will no longer be required as primary supply is will be from Plantes Hill Reservoir WDZ rather than Olinda-Mitcham WDZ.

YVW is currently finalising Functional Design Statement (FDS) details for the required water supply works necessary to service this development area. These FDS details supersede any previously issued Preliminary Service Advice. Any further water supply requirements should align with YVW's FDS requirements for this area, that represents initial and ultimate infrastructure requirements and zone operation for this area.

**Figure 5 – Potable Servicing Strategy – Stage 1**

The proposed DN255 will not continue north as shown in Figure 5.

The proposed DN225 alignment will run west to cross the train line, through the estate to Mooroolbark Rd and then north to Maroondah Hwy, connecting to the Plantes Hill WDZ network near the intersection of Maroondah Hwy and Mooroolbark Rd (DN450 MS main on the north side of Maroondah Hwy).



### Section 3.3 Recycled Water

Non-Drinking Water (NDW) is not mandated for commercial uses. However, NDW will be made available to commercial sites upon request for connection.

NDW is mandated for residential properties only. This is consistent with the NDW supply requirements throughout the YVW network.

A DN225 NDW main will be required from the proposed Plantes Hill NDW tank to supply NDW to this site.

The DN225 main from Maroondah Hwy should be constructed at the same time as the drinking water main as both are required prior to 500 lots being reached.

No additional temporary cross connections will be approved for the site.

### Figure 8 – Preliminary Service Advice – Recycled Water

DN225 main not DN150

Refer to reservoir as Plantes Hill not Lilydale

## Plantes Hill DN225



## Appendix L - Integrated Water Management Strategy – Incits

### Section 4.1 Drinking Water Supply Objectives

NDW is typically mandated for all toilet use, not where practical (also outlined in Section 4.2). How will this work with the proposal of stormwater to toilets?

Section 4.1 states the intended use of NDW supplied by YVW:

“The recycled water will be supplied from treated effluent with the intent that the purple pipeline supply may be adopted for outdoor use, laundry use where practical and toilet flushing where practical.”

However their statement regarding the VBA requirements for six star standard for new developments also comments on water for toilet flushing being provided by rainwater tanks:

“Rain water tanks may be installed on dwellings through the redevelopment for toilet flushing. Utilising harvested rainwater for toilet flushing will reduce the use of drinking water.”

### Section 4.2 - Reused and Recycled Water Objectives

Further statements in Section 4.2 are unclear about the role of NDW use vs rainwater tank/stormwater use:

“It is envisaged that the recycled water will be utilised for non-drinking purposes including outdoor use such as garden watering and car washing. The recycled water can also be plumbed into the dwellings for uses such as toilet flushing and laundry supply, reducing the demand on drinking water.”

It reads like the stormwater use and NDW use will be interchangeable depending on availability, so hard to determine what the actual demand for NDW is going to be for the estate (i.e. if no rainfall, will rely on NDW for irrigation, laundry, toilet flushing).

## **Sewer**

### **Appendix Z - Engineering Service Report – Reeds Consulting**

Sewer servicing of Area A shall be in accordance with the PSA Engineering Servicing Report  
Sewer servicing of Area B shall be serviced by existing sewers located in Rocky's Way on the eastern boundary of this area. The outlet located will need to be confirmed with YVW  
Sewer servicing of Area C shall be in accordance with the PSA Engineering Servicing Report  
Provision of external sewer works to accommodate development of this site shall be in accordance with the PSA Engineering Servicing Report. The scope to these works will need to be confirmed with YVW

If you required any further information regards YVW servicing development of this site or any clarification of the above, please let me know.

We look forward to ongoing discussion regards servicing of this development

#### **Kevin Dawson**

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**From:** Ben Champion <[B.Champion@yarraranges.vic.gov.au](mailto:B.Champion@yarraranges.vic.gov.au)>

**Sent:** Wednesday, 27 May 2020 11:42 AM



**To:** Dawson, Kevin <[Kevin.Dawson@yvw.com.au](mailto:Kevin.Dawson@yvw.com.au)>

**Subject:** Yarra Ranges C193 - initial comments

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Please find attached a letter seeking your agency's initial views on this proposal.

All documents can be accessed via the link below:

<https://cianywhere.yarraranges.vic.gov.au/T1Prod/CiAnywhere/Web/Prod/ECMCore/BulkAction/Get/0e231fa8-5bd8-4445-b03c-dee01fb770e8>

This link will expire on 6 July 2020, 10:36 AM.



Ben Champion  
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