

## Bryce Powell

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**From:** Rajinesh Kumar  
**Sent:** Friday, 17 June 2016 1:03 p.m.  
**To:** Bryce Powell  
**Subject:** RE: 12R Milano Boulevard

Hi Bryce,

The ground water in this area is very low and earthworks of this nature will not have any effect in terms of drawing the ground water. The MHWS is also around RL 2.80m and as this park is within the centre of the development and built around public roads will not have any effect. The subsoil drain is normally below 600mm on the public roads and this earthworks proposed onsite will not be below 600mm so effect will be none.

The playground will not require any cesspit/field cesspit due to safety reasons. The coefficient of runoff for Stormwater in grass is 0.35 and will be absorbed mostly by ground condition. The 600mm deep subsoil drain located under the channel will also take any absorption flows under the soil. I don't see any need to the cesspit/field cesspit in the park. This is also safety hazard to kids as they can also fall and drown if unsupervised as it's a playground.

The Geotechnical completion report doesn't have any issue in terms of the ground condition in this rea in location of the park which confirms the geotechnical requirements.

Hope the above confirms

Regards

Raj

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**From:** Bryce Powell  
**Sent:** Friday, 17 June 2016 11:31 a.m.  
**To:** Rajinesh Kumar  
**Subject:** 12R Milano Boulevard

Hi Raj

As discussed, I need to address the following comment from Mr. Archibald:

*"Mr. Archibald asked if Council Engineers had considered drainage and, in particular, the high groundwater level, and whether ponding will occur in the vicinity of playground equipment. Mr. Archibald was concerned that resource consent to divert groundwater or to discharge stormwater could be needed as part of this resource consent application. Mr. Archibald also sought assurances that a separate consent isn't needed to discharge stormwater from the playground to the cesspits within the road corridor."*

Could you please comment? Is the water table high in this location and would consent be needed from Council's Stormwater Team or AT to discharge to the system that is located within the road corridor? I am satisfied that no discharge consents are needed under the PAUP or the Operative Plans. De-watering/ or groundwater diversion consent requirements will be assessed once you provide comments on the groundwater level in this location. Mr. Archibald is of the opinion that the table is quite high in this location.

Yours sincerely,

Bryce

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