

07 May 2024

The General Manager
Northern Beaches Council
725 Pittwater Road
Dee Why NSW 2099

Additional Information – WaterNSW

DA 2023/1395

Shop-Top Housing Development @ 1010-1014 Pittwater Road, Collaroy

This letter provides a response to the 'Request for Further Information' contained within the WaterNSW letter dated 6 May 2024 for the above Development Application.

At this stage of Development Application, the Geotechnical report is the document that identified likely dewatering during construction and in addition several aspects of the site such as the foundations being sandy soil, and that groundwater is likely seepage and not a water table intersection for the basement excavation. I've attached the Geotech report and note that section 5 deals with the potential dewatering.

In terms of the four queries, we respond as follows:

- i. The Geotech Report identifies that **seepage is likely to vary considerably based on rainfall** at the time of excavation and shoring, therefore it is difficult to be precise in terms of the pump size to be used for any potential dewatering, as this is not a water table.
- ii. The Geotech Report identifies that **seepage is likely to vary considerably based on rainfall** at the time of excavation and shoring, therefore it is difficult to be precise in terms of the volume of water extracted, as this is not a water table.
- iii. The likely duration of any potential dewatering for the excavation/shoring is anticipated to take 4-6 weeks for the period of contiguous walls and basement slab to "tank" the basement structure and hence if dewatering is required, it would be over that period of time, subject to rainfall.
- iv. At this DA Stage, a contractor has not yet been engaged for excavation and any methods of measurement and recording dewatering are unknown. Without the information of items i, ii, iii or a contractor, it is unknown as to the methods of measurement. It is appropriate to provide these details after any DA approval and with any further detailed Geotech reporting should that be required at Construction stage.

I trust this provides adequate responses to enable your assessment to continue,

Regards,
GARTNER TROVATO ARCHITECTS



Sean Gartner