

Palmdev Pty Ltd

9 August 2024

Mr Gerrod Webb
Water Regulation Specialist
WaterNSW

Dear Mr Webb,

**RE: Proposed Development 1112-1116 Barrenjoey Rd, Palm Beach (DA2023/1289)
(File # A-71974)**

We are writing in response to your letter dated 10 October 2023, requesting further information with regard to the proposed development at 1112-1116 Barrenjoey Road, Palm Beach (DA2023/1289).

We have included a summary of our response to each of your queries below. Please refer to the following relevant documentation for further detail:

- 1) Groundwater Monitoring Report No.1 (GMR), prepared by EI Australia, dated 28 February 2024
- 2) Groundwater Take Assessment (GTA), prepared by EI Australia, dated 8 August 2024
- 3) Additional Geotechnical Investigation, prepared by EI Australia, dated 8 August 2024
- 4) Architectural Plans, prepared by Koichi Takada Architects, dated 31 July 2024.

1) Confirmation of the proposed basement construction design, being either tanked (fully watertight) or drained (requiring permanent ongoing dewatering).

The basement is to be designed as a fully tanked basement. Refer Groundwater Take Assessment report.

***2) If a tanked basement design is proposed, the following information is requested.
(i) Volume of water to be extracted annually if available.***

Estimated groundwater to be removed during the construction phase of the development is 0.49 ML from the initial pore water dewatering, plus 2.61ML/year.

Estimated groundwater to be removed during the operational phase of the development **zero.**

Refer Groundwater Take Assessment report.

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(ii) Duration of the water take for dewatering if available.

Continuous dewatering will be required during construction of the basement, which is estimated to take circa 6 months.

(iii) Method of measuring the water take and recording.

In accordance with any requirements from Northern Beaches Council any dewatering approval from Water NSW.

3) If a drained basement design is proposed, WaterNSW and the Department of Planning and Environment -Water (DPE) will require additional modelled data to support a hydrogeological review and assessment. The Geotechnical report (or equivalent) will need to be updated accordingly and satisfy requirements detailed in the below Table 1 Modelling Inputs.

A drained basement design is not proposed.

We trust the additional information satisfies your requirements.

If you have any further queries, please do not hesitate to contact William Allen on 0403 363 457 or wallen@ipmproperty.com.au.

Kind regards,
Palmdev Pty Ltd

A handwritten signature in blue ink, appearing to be 'C. Webster', with a small dot at the end.

Chris Webster
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