

Attention: Jonathan Odisho
Project: Proposed Mixed Use Development
Subject Site: 1-3 Careel Head Rd, Avalon Beach
Reference: GR24118
Date: 27th May 2025

RE: Response to Water NSW RFI

1. Introduction

CEC Geotechnical Pty Ltd (CEC Geotechnical) was requested by Jonathan Odisho to prepare a response to an inquiry raised by the Water NSW for the proposed development at **1-3 Careel Head Rd, Avalon Beach**. The site is located within the Local Government Area (LGA) of Northern Beaches and is registered as SP32656 and Lot B DP385973. The site is covering an area of 1777 m² and is bounded by Careel Head Rd to the North and Barrenjoey Rd to the West with surrounding residential properties.

2. CEC Response to RFI

In response to the RFI (Ref: IDAS1161280), dated 13 May 2025, regarding groundwater management and the basement design associated with the proposed development (Planning Portal Ref: A-100700):

1. Basement Design:

The proposed basement will be tanked (fully watertight). As such, no permanent or ongoing dewatering will be required following completion of construction.

2. Tanked Basement – Dewatering Details During Construction:

- **Estimated Volume of Water to Be Extracted Annually:**

The volume of groundwater to be extracted during construction will be temporary and limited to the excavation and construction phase. An estimate will be provided within the forthcoming Hydrogeological Assessment.

- **Duration of Dewatering:**

Dewatering activities are expected to occur over a period of the basement excavation and construction to be determined after Hydrogeological Assessment.

- **Method of Measurement and Recording:**

Water take will be measured and recorded using calibrated flow meters, with regular logs maintained throughout the dewatering phase to ensure compliance with licence conditions.

Given the confirmation of a tanked basement design, we kindly request that WaterNSW proceed with issuing the **General Terms of Approval (GTA)** to Northern Beaches Council. The GTAs will form a part of the conditions of consent and will include the requirement for a Dewatering Management Plan to support temporary groundwater dewatering licence applications from Council and WaterNSW.

For and on behalf of CEC Geotechnical Pty Ltd

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