

# Memorandum - Drainage

Date 13/03/2023  
File No. Development Applications: DA2022/598/1  
To Mr Robert Lam  
CC  
From Michael Casteleyn  
Address 17 Dover Road ROSE BAY

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I refer to the following documents received for this report:

23/37323 Document - TTW Letter Response - DA2022/598/1 - 17 Dover Road ROSE BAY

## RECOMMENDATION

Council's drainage Engineer has determined that the development proposal is generally satisfactory, subject to the following conditions;

### C.54 Flood Protection

The Construction Certificate plans and specifications, required by clause 139 of the Regulation, must include a Flood Risk Management Plan on the basis of the Flood Planning Level (FPL) detailing:

- a. A permanent flood risk management plan shall be installed in a prominent area of the carpark.
- b. Permanent brass plaques shall be fixed a prominent locations in the outdoor area indicating the 1% AEP flood level.
- c. The Wilberforce entry terrace area and surrounding streetscape shall be designed so that it doesn't adversely affect upstream flood levels by an engineer experienced in flood mitigation.
- d. The proposed non habitable floor levels near the Wilberforce Street shall be set at or above the flood planning level of 6.15m AHD
- e. The proposed non habitable floor levels near Dover Road shall be set at or above the flood planning level of 7.05m AHD.
- f. The vehicle entry off Dover road shall be protected by a physical threshold set at or above the flood planning level of 7.10m AHD.
- g. The proposed below ground car park entry shall be protected by a physical threshold set at or above the flood planning level of 6.10m AHD.

- h. Emergency self-powered lights, indicating the safe exit to a flood free area above the probable maximum flood (PMF) shall be installed in the car parking area.
- i. Flood compatible materials shall be used for all flood exposed construction
- j. All flood exposed electrical wiring and equipment shall be waterproofed.
- k. All flood protection measures shall be inspected and certified as fit for purpose after construction is complete by an engineer experienced in flood mitigation.