

# **FLOOD RISK MANAGEMENT**

## **No. 6 GOULD STREET, CAMPSIE, NSW**

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## 1. Introduction

The proposed development involves alterations & additions to an existing dwelling. Flood information from the Council's Stormwater System Report indicates the site is affected by flooding. Therefore, a flood report is prepared to address the Council's flood risk management requirements.

The site locality is shown in Figure 1.

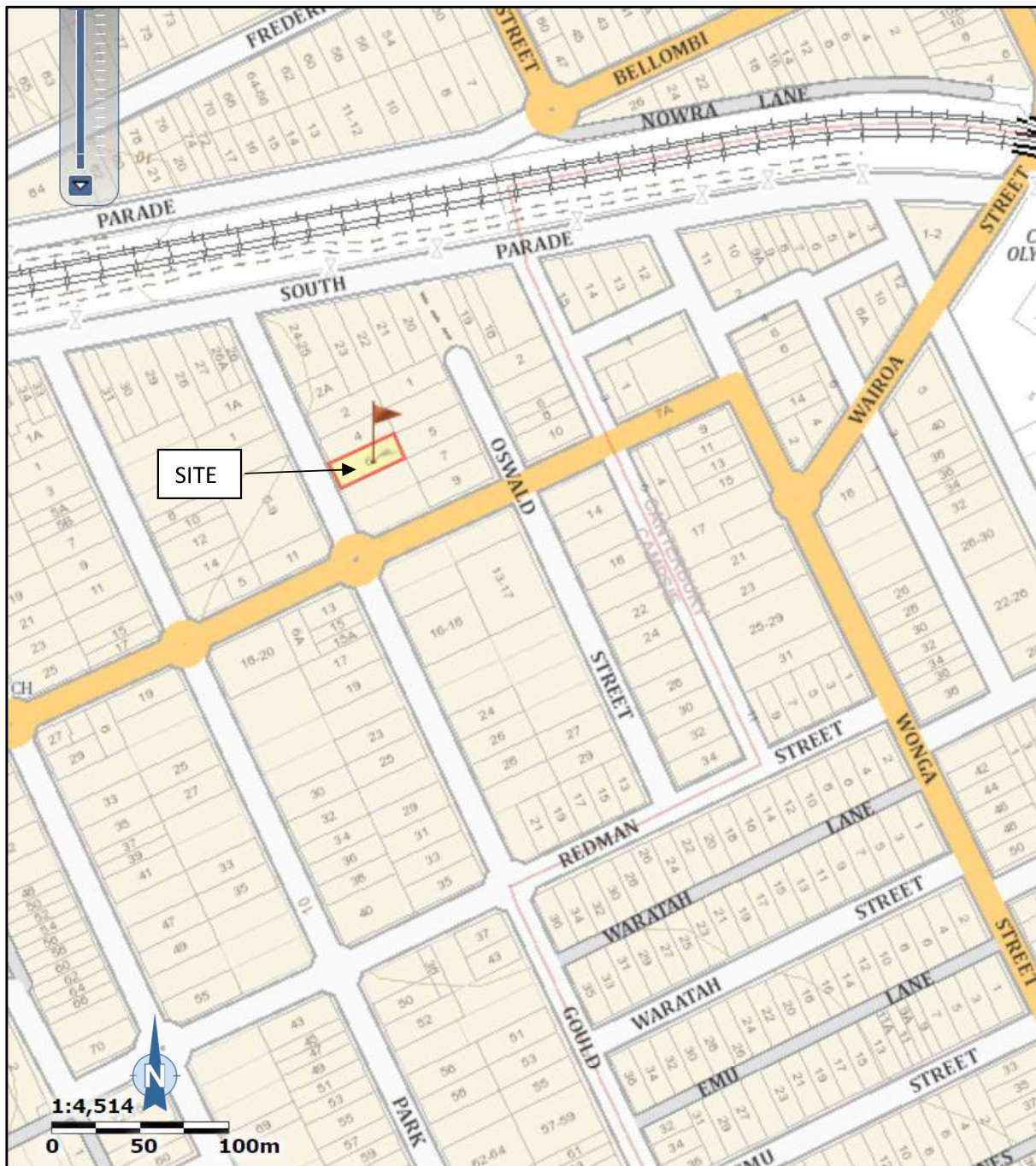


Figure 1 Site locality (source: Spatial Information Exchange)

## **2. Data available**

Data available for the flood study include:

- Stormwater System Report (SSR), dated 06-Sep-2023, issued by City of Canterbury Bankstown Council.
- Site survey , dated 02/09/2023, prepared by Geospec Surveying.
- Proposed architectural drawings, dated 19/09/2023, prepared by 2D House design.

## **3. Existing flood conditions**

The existing 100-year ARI (Average Recurrence Interval) flood and PMF (Probable Maximum Flood) extents and contours are presented in Figure 2 and Figure 3 respectively.



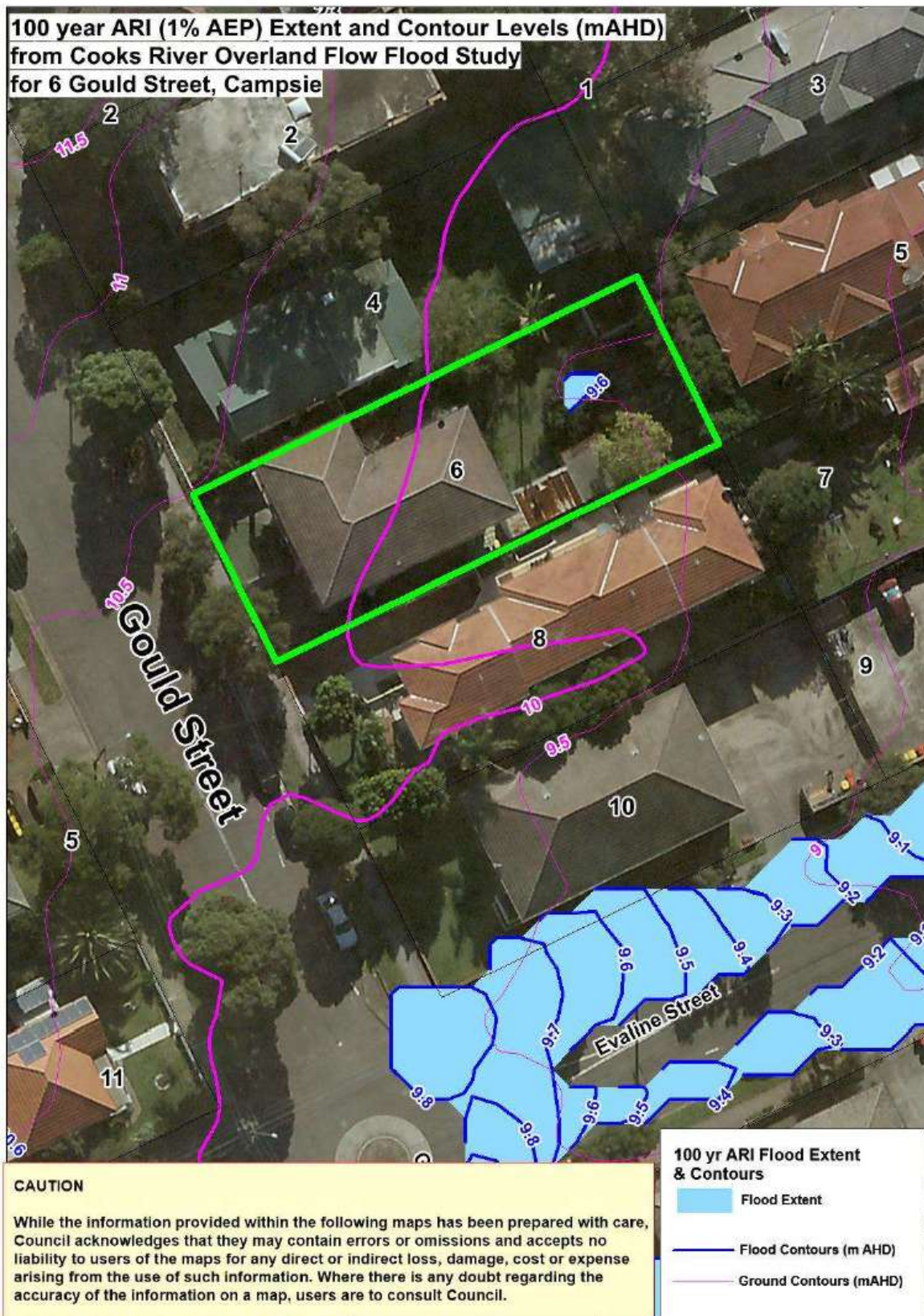


Figure 2 100-year ARI flood extent & flood contours

As shown in Figure 2 and stated in the SSR, the site is not affected by 100-year ARI flood.



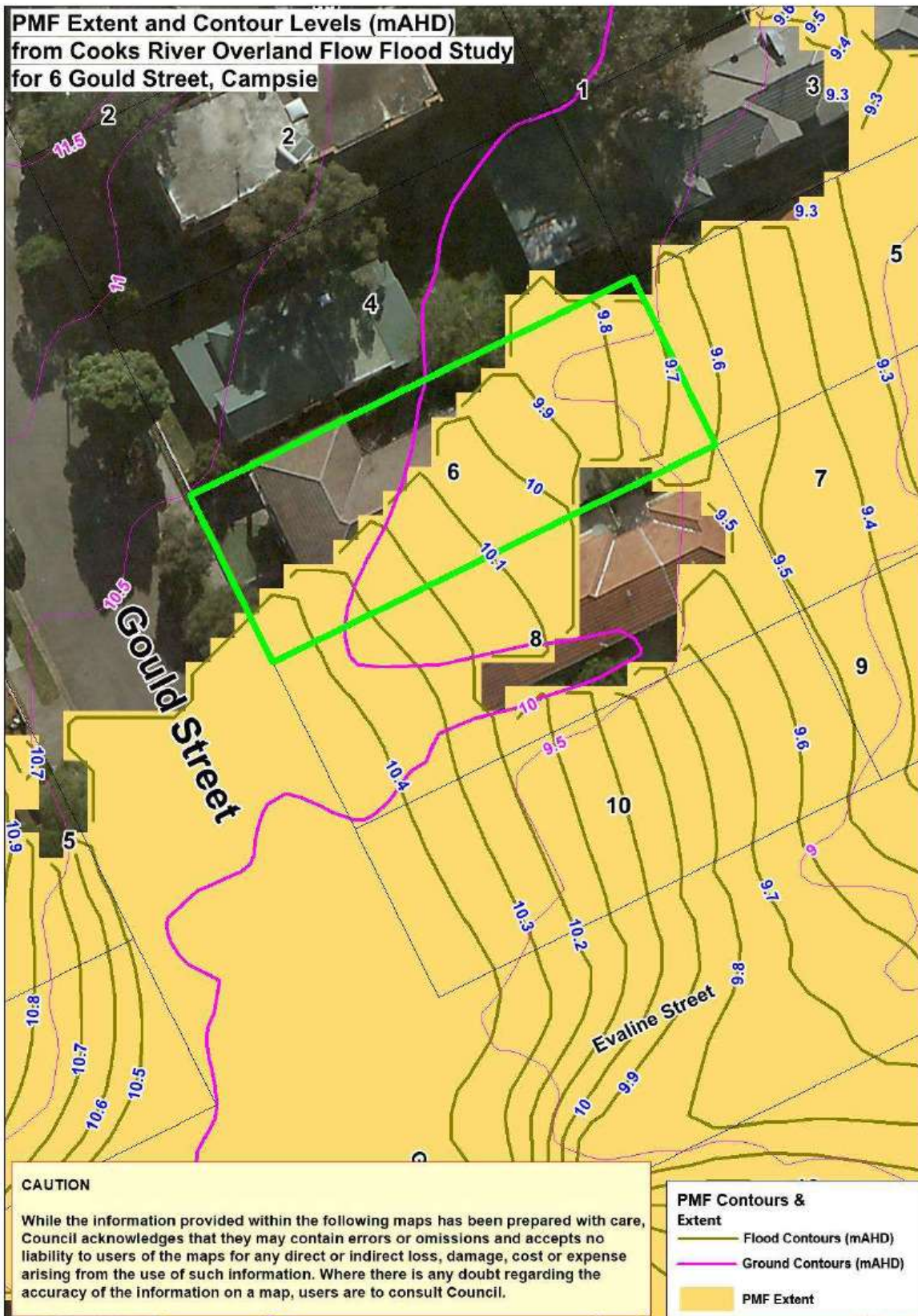


Figure 3 PMF extent and contours

Figure 3 suggests that the site is partly affected by PMF with the highest PMF level of 10.45 m AHD.

## 4. Proposed development

The proposed development layout is presented in Figure 4.

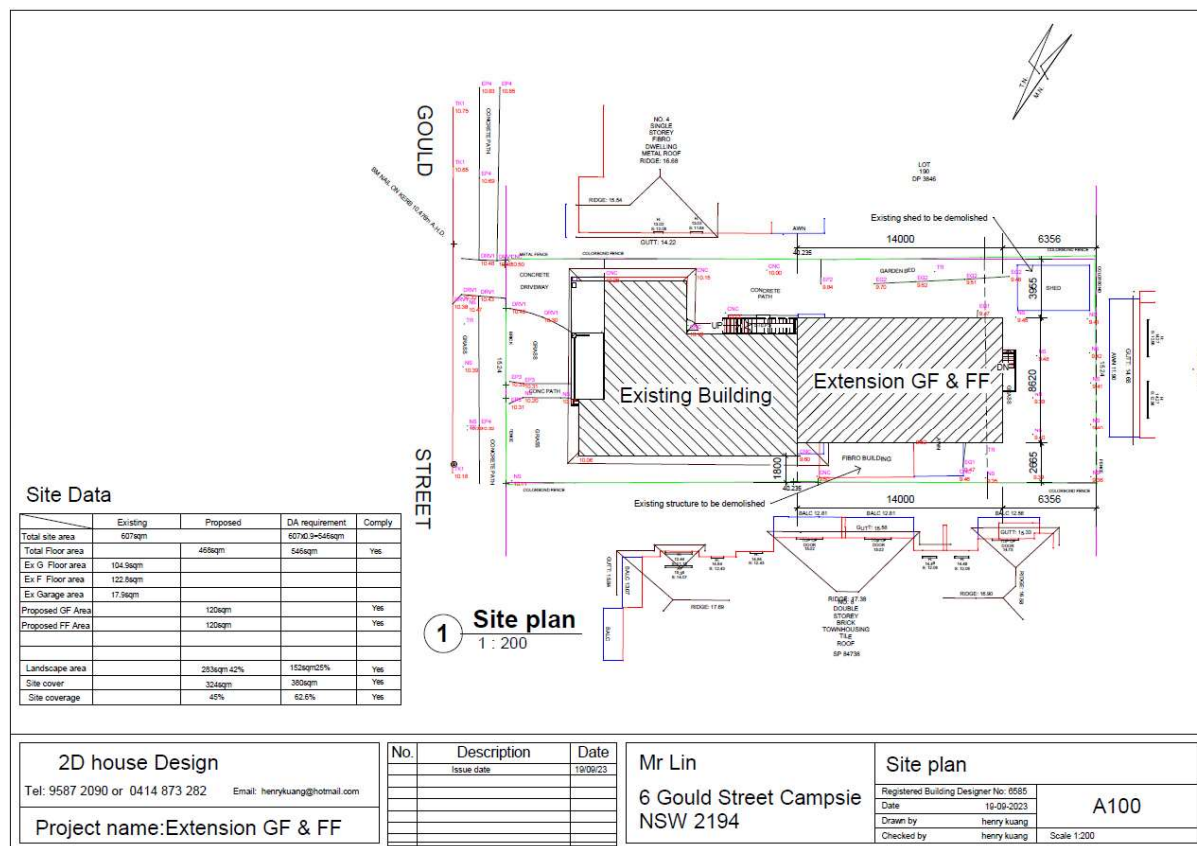


Figure 4 Proposed development layout

## 5. Flood risk management

The following flood risk management is adopted from Chapter 2.2, Schedule 5 of Canterbury – Bankstown’s Development Control Plan 2023.

- Floor level : not applicable as the site is not affected by 100-year flood.
- Building Component: not applicable as the site is not affected by 100-year flood.
- Structure Soundness: not applicable as the site is not affected by 100-year flood.
- Flood effects: not applicable as the site is not affected by 100-year flood.
- Carpark and driveway access: not applicable as the site is not affected by 100-year flood.
- Evacuation: The proposed ground floor of 10.50 m AHD is above the highest PMF level of 10.45 m AHD. Therefore the building can serve as an on-site flood shelter.

## 6. Conclusions

The SSR shows the site is not affected by 100-year ARI flood. The proposed development does not cause adverse flood impacts to the neighbouring properties. The requirements of flood risk management have been addressed and found satisfactory.