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Our Reference: PDS06062019:62MACTIERST:NARRABEEN

Mr and Mrs A&M Popovski
62 Mactier Street,
Narrabeen, 2102.
17/02/2020

Re: Flood Management Report Addendum for 62 Mactier Street, Narrabeen

Dear Alex,

This report is an Addendum to the Pittwater Data Services Pty Ltd Flood Management Report for 62 Mactier Street Narrabeen issued on 15th August 2019 Reference PDS06062019:62 MACTIERST:NARRABEEN (Reference 1). The flooding issue raised by Northern Beaches Council (NBC) in reviewing DA2019/0975 application is:

Access to the main Dwelling for Shelter-in-Place for the occupants of the Secondary Dwelling during the period when Narrabeen Lagoon flood levels are rising towards Mactier Street.

The solution to this issue is to provide a access key in a wall mounted key storage box near the nominated access external door as shown in Figure 1. The box will have a code allocated and issued to all residents of both Dwellings. The Flood Warning Notice is upgraded (Appendix A) detailing the access system as a step in the ACTION process. The Flood Warning Notice is to be located in both Dwellings.

In addition to the flooding issue, some modifications were made to the drawings. The modifications in relation to potential flood impacts are shown in Figure 1. These modifications are to the sub floor (below the Flood Planning Level) and have no net additional impact on the overall flood storage capacity of the *site* and the required openings during the peak of the 1% AEP flood. These modifications meet the NBC flood standard as detailed in Reference 1 Appendix B.

Yours Sincerely


Stephen Wyllie Bsc(Eng) FMA Member

Director

17/02/2020

Appendix A

FLOODING WARNING

AWARENESS

- Heavy rain predicted by the Bureau of Metrology (BoM) : flood warning /flash flooding
- Monitor media reports for flood warnings in the Sydney Metropolitan Area.
- Observe local rainfall and Mactier Street inundation.

ACTION **BoM WARNINGS ISSUED**

- Inform all residents and visitors of procedures the potential flood situation. Account for all residents visitors in both Dwellings.
- Any items transportable by floods move above PMF 5 m AHD.
- Secure vehicles within bollards. Option to move vehicles to flood free section of Mactier Street (200metres east of *site* Figure 2).
- Observe overland flows through *site* assemble residents and visitors to First Floor Level of the main Dwelling (Shelter- in- Place). This is important as there is only hours to organize this action.
- Residents and visitors in Secondary Dwelling access key storage box (codexxx) and enter main Dwelling first floor level.
- Continue to monitor BoM reports and inundation on the *site*.
- If rainfall continues and BoM issue warnings remain at First Floor Level.

POST FLOOD

- Account for all residents and visitors.
- Inspect vehicles and *site* generally for safety.
- Monitor BoM reports to ensure no further flood warnings.

N



Foot 1

CLIENT A & M POPOVSKI JOB PROPOSED RESIDENCE LOCATION 62 Maclester St Narrabeen	plan prepared by TULLIPAN HOMES		DO/00/00 # REVISION
	plan prepared by TULLIPAN HOMES		DO/00/00 # REVISION

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