

Mark Surtess
Development Manager
Wee Hur (Australia) Pty Ltd

19 September 2022

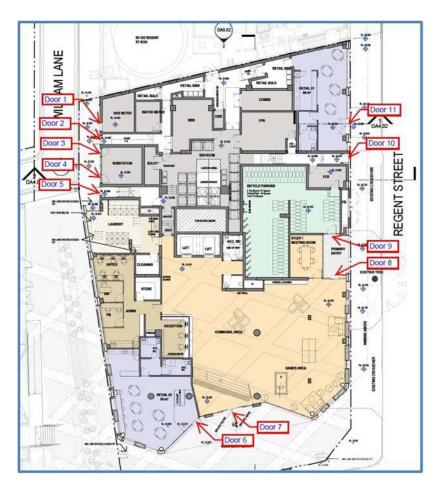
Dear Mark,

Re: Review of Flood Related Development Controls for Building Floors 104-116 Regent Street, Redfern, Response to Council's Submission of 11 July 2022

INTRODUCTION

The ground floor of the above proposed commercial enterprise comprises entry, storage, office, retail, study and service spaces. There is no residential space or car parking on the ground floor. Entry is by eleven doors as shown below. The site is surrounded by overland flow in times of flood and therefore potentially subject to above floor inundation by floodwaters. Council's letter of 11 July 2022 states.

A new comment is raised in relation to flooding on the site. The previously submitted Flood Statement, prepared by WMA Water, incorrectly states entry door nos. 10 and 11 as having a freeboard of 100mm for the internal 1% AEP. However, it has a 0.0 freeboard. Clarification is required on the necessary freeboard for the proposed development.



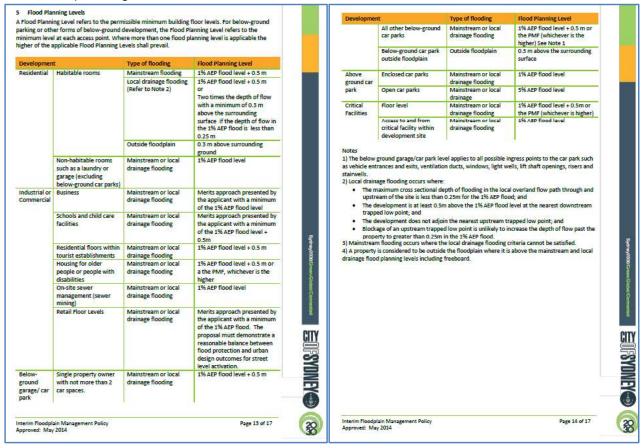


OUTCOME

This letter responds to Council's comments in their letter of 11 July 2022 and provides an updated table (refer below) listing the description of the internal space at each door, the finished floor level (FFL) and the 1% AEP and PMF flood levels. Also listed are the height of the FFL above the 1% AEP and PMF flood levels. It should be noted that whilst the proposed finished floor levels on the plans are quoted to 2 decimal places the peak flood levels at each door cannot be accurately quoted to 2 decimal places.

DOOR NO.	DESCRIPTION	INTERNAL RL @ BOUNDARY	INTERNAL RL @ FFL	1% AEP LEVEL	INTERNAL RL - 1% AEP	PMF LEVEL	INTERNAL RL - PMF
1	Gas Meter Room	24.5	24.5	24.4	0.1	24.5	0.0
2	Bin Room	24.4	24.5	24.4	0.1	24.5	0.0
3	Substation 1	24.5	24.5	24.4	0.1	24.5	0.0
4	Substation 2	24.4	24.5	24.4	0.1	24.5	0.0
5	Fire Egress William Lane	24.4	24.8	24.4	0.4	24.5	0.3
6	Margaret St Retail	23.8	24.0	23.9	0.1	23.9	0.1
7	Margaret St Main Entry	24.0	24.5	23.9	0.6	23.9	0.6
8	Regent St Main Entry	24.5	24.5	24.3	0.2	24.4	0.1
9	Bicycle Store	24.5	24.5	24.5	0.0	24.6	-0.1
10	Fire Egress Regent St	25.1	25.1	24.8	0.3	24.9	0.2
11	Retail Door	25.0	25.0	25.0	0.0	25.1	-0.1

The City of Sydney's Interim Floodplain Management Policy (copy below) advises the required floor level flood planning levels as indicated below.





We have reviewed the requirements of Council's Interim Floodplain Management Policy and the proposed finished floor and design flood levels. For "Business" use the minimum is the 1% AEP flood level and the above table indicates that this is achieved.

However, all critical facilities (electricity supply) or any use that is critical to the operation or use of the space (computers, electricity outlets etc.) must be located above the PMF flood level. There is little difference between the 1% AEP and PMF flood levels as the floodplain (i.e., the streets) are relatively wide and thus an increase in flow produces only a small increase in peak flood level.

Should you have any questions or require further clarification regarding the above please do not hesitate to contact the undersigned by email (dewar@wmawater.com.au) or on 0493 031 451.

Yours Sincerely,

WMAwater

R W Dewar

Director