

# MEMORANDUM

<b>To</b>	Mark Surtess	<b>From</b>	Ashley Chen
<b>Copy</b>		<b>Reference</b>	20144 - M01 – FA - 0
<b>Date</b>	10 July 2023	<b>Pages</b>	5
<b>Subject</b>	63-67 The Corso Manly – Flood Impact Assessment		

Dear Mark,

WMS has been engaged by Initium Management for the site at 63-67 The Corso, Manly (referred to as 'the site'). This memo details the process undertaken and the outcome.

## 1 PROJECT BACKGROUND

The site is located approximately 11 km north-east of Sydney, within Northern Beaches Council Local Government Area (LGA) in New South Wales. The site is mapped as being located on land within a medium flood risk precinct based on Northern Beaches Council Flood Hazard Map Portal. The proposed ground floor plan is illustrated in **Figure 1-1**, provided by Initium Management on 4<sup>th</sup> of July 2023.

To address associated flooding issues and obtain development approval from Northern Beaches Council, the development must demonstrate compliance with the Manly Development Control Plan 2013 and Local Environmental Plan 2013.

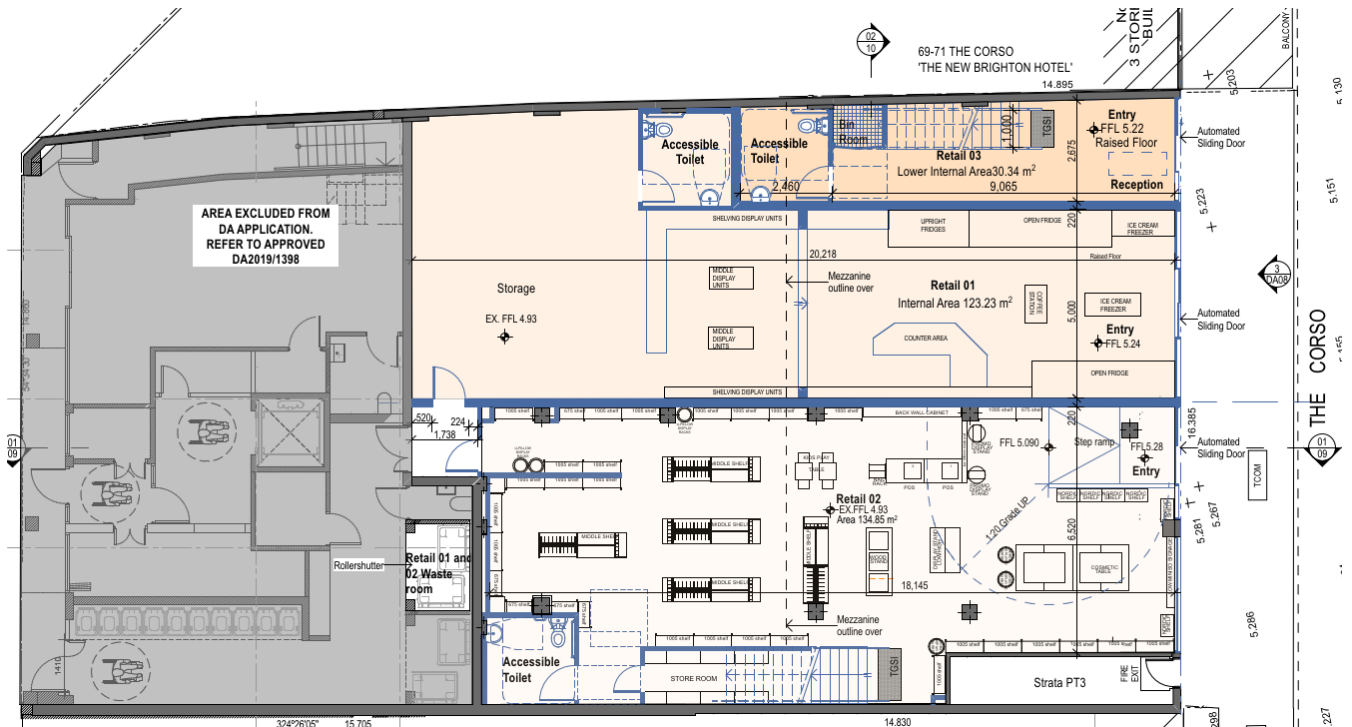


Figure 1-1 Proposed Ground Floor Plan (Grain Architects, 1<sup>st</sup> of June 2023)



### 3 DEVELOPMENT COMPLIANCE

WMS has reviewed the planning requirements set out in the Manly Local Environmental Plan 2013 and the Manly Development Control Plan 2013 to assess the compliance of the proposed development with applicable flood related development controls.

#### 3.1 MANLY LOCAL ENVIRONMENTAL PLAN (LEP) 2013, CLAUSE 6.3: FLOOD PLANNING

The objectives of Clause 6.3 – Flood Planning are as follows:

- a) To minimise the flood risk to life and property associated with the use of land;
- b) To allow development on land that is compatible with the land's flood hazard, taking into account projected changes as a result of climate change;
- c) To avoid significant adverse impacts on flood behaviour and the environment.

The objectives of the LEP are supported by the Manly Development Control Plan (DCP) 2013, which set out specific requirements to ensure proposed developments meet the above outcomes. The planning requirements set out in the LEP are detailed and addressed regarding the proposed development in **Table 3-1**.

**Table 3-1 Many LEP, Clause 6.3, Flood Planning – Requirements**

Planning Requirements	Comment	Status
(1) Objectives, see list above.	n/a	n/a
(2) This clause applies to land at or below the flood planning level.	<i>The existing floor level of the ground floor is 4.93 mAHD. No decrease to the existing floor levels is proposed as part of the development.</i> <i>The entry levels of Retail 01, Retail 02 and Retail 03 will be slightly increased to 5.24 mAHD, 5.28 mAHD and 5.22 mAHD, respectively.</i>	Satisfied
(3) In deciding whether to grant development consent on land to which this clause applies, the consent authority must consider the following matters		
(a) the development is compatible with the flood hazard of the land, and	<i>The subject site is located on land within a medium flood risk precinct. However, no decrease in existing finished floor levels and also no cut and fill are proposed as a part of the development.</i> <i>As such, the proposed development is compatible with the flood hazard of the land.</i>	Satisfied
(b) the development is not likely to significantly adversely affect flood behaviour resulting in detrimental increases in the potential flood affectation of other development or properties, and	<i>There is no change in building footprint of the proposed development.</i> <i>The proposed development does not adversely affect flood behaviour on other developments.</i>	Satisfied
(c) the development incorporates appropriate measures to manage risk to life from flood, and	<i>The existing floor level of the ground floor is 4.93 mAHD. No decrease to the existing floor levels is proposed as part of the development.</i> <i>The entry levels of Retail 01, Retail 02 and Retail 03 will be slightly increased to further manage flood risk.</i>	Satisfied
(d) the development is not likely to significantly adversely affect the environment or cause avoidable erosion, siltation, destruction of riparian vegetation or a reduction in the stability of river banks or watercourses, and	<i>The proposed development is wholly contained within the existing site and will not encroach on riparian corridors or water courses.</i>	Satisfied
(e) the development is not likely to result in unsustainable social and economic costs to the community as a consequence of flooding.	<i>The proposed development is wholly contained within the existing site and will not result in any unsustainable social and economic costs to the community as a consequence of flooding.</i>	Satisfied



### 3.2 MANYLY DEVELOPMENT CONTROL PLAN (DCP), SECTION 5.4.3, FLOOD PLANNING – REQUIREMENTS

The Manly DCP, Part 5.4.3 contains controls relating to flood planning. Proposed development is classified as Business & Industrial Use. Therefore, WMS has reviewed the proposed plans in relation to Council's requirements and provided an assessment of the development's compliance with each control in **Table 3-2**.

**Table 3-2** Manly DCP 2013, Section 5.4.3, Flood Planning – Requirements

ID	Planning Requirements	Comment	Status
<b>Flood effects caused by development</b>			
A1.	Development (including earthworks and subdivision) shall not be approved unless it can be demonstrated in a Flood Management Report that it complies with the Flood Prone Land Design Standard found on Council's webpage.	<i>As per Table 3-1 and Table 3-2.</i>	Satisfied
A3.	The applicant shall include in their submission, calculations to illustrate that any fill or other structures that reduce the total flood storage are replaced by Compensatory Works.	<i>No importation of fill is proposed as a part of the development.</i>	No action
<b>Drainage infrastructure and creek works</b>			
B1.	Flood mitigation works or stormwater devices that modify a major drainage system, stormwater system, natural water course, floodway, or flood behaviour within or outside the development site may be permitted subject to demonstration through a Flood Management Report that they comply with the Flood Prone Land Design Standard found on Council's webpage.	<i>No flood mitigation works, or stormwater devices are proposed as a part of the development.</i>	No action
B2.	A Section 88B notation under the Conveyancing Act 1919 may be required to be placed on the title describing the location and type of flood mitigation works with a requirement for their retention and maintenance		
<b>Building components and structural</b>			
C1.	All buildings shall be designed and constructed as flood compatible buildings in accordance with Reducing Vulnerability of Buildings to Flood Damage: Guidance on Building in Flood Prone Areas, Hawkesbury-Nepean Floodplain Management Steering Committee (2006).	<i>Not applicable – no decrease to existing finished floor levels.</i>	No action
C2.	All structures must be designed and constructed to ensure structural integrity up to the Flood Planning Level, taking into account the forces of floodwater, wave action, flowing water with debris, buoyancy and immersion. Structural certification shall be provided confirming the above.  Where shelter-in-place refuge is to be provided the structural integrity is to be to the Probable Maximum Flood level.		
C3.	All new electrical equipment, power points, wiring, fuel lines, sewerage systems or any other service pipes and connections must be waterproofed and/or located above the Flood Planning Level. All existing electrical equipment and power points located below the Flood Planning Level must have residual current devices installed that turn off all electricity supply to the property when flood waters are detected		
<b>Storage of goods</b>			
D1.	Hazardous or potentially polluting materials shall not be stored below the Flood Planning Level unless adequately protected from floodwaters in accordance with industry standards	<i>Not applicable – no decrease to existing finished floor levels.</i>	No action
D2.	Goods, materials or other products which may be highly susceptible to water damage are to be located/stored above the Flood Planning Level.		
<b>Flood emergency response</b>			



ID	Planning Requirements	Comment	Status
E1.	Development shall comply with Council's Flood Emergency Response Planning for Development in Pittwater Policy and the outcomes of any Flood Risk Emergency Assessment Report where it applies to the land.	<i>Not considered required given that no decrease to existing finished floor levels.</i>	No action
E2.	New development must provide an appropriately sized area to safely shelter in place above the Probable Maximum Flood level and appropriate access to this area should be available from all areas within the development		
E3.	Adequate Warning Systems, Signage and Exits shall be installed to allow safe and orderly evacuation without reliance upon the SES or other authorised emergency services personnel		
Floor levels (F1 - F11) - Not applicable			
Car Parking (G1 - G10) - Not applicable			
Fencing			
H1.	Fencing, including pool fencing, shall be designed so as not to impede the flow of flood waters and not to increase flood affectation on surrounding land. Appropriate fencing must comply with the Flood Prone Land Design Standard in addition to other regulatory requirements of pool fencing.	<i>This proposed development does not involve fencing.</i>	No action

#### 4 CONCLUSION

<p><b>4.Flood Risk</b></p> <p>The site is mapped as being located on land within a medium flood risk precinct. As a minimum the SEE shall address the applicable flood controls in the MLEP and MDCP.</p> <p><b>Response</b></p> <p>Based on a desktop review of available topographic data and proposed development plan in this region, WMS has determined that the proposed development will have a net neutral effect on flood behaviour. No hydrologic/hydraulic modelling is considered necessary for the site under existing or developed conditions.</p>
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Yours sincerely,

Ashley Chen  
Project Engineer