



July 6, 2020

Stormwater Letter

Description: Community mosque

Client: ICMG

Site Address: 64 Mountford ave Guildford NSW

This letter includes technical response to council raised issues on the stormwater design no. SW-19018 proposed by PLEN. The response is shown below, our response is highlighted below for clarity

Council raised question 1:

“The base of the OSD tank that hangs below the ground level protrudes down the ceiling and is likely to obstruct the access to the circular ramp between the upper and lower basement. It must either be relocated away from current location unless demonstrated by a detailed cross-section with the levels shown in critical locations and the minimum clearance as required by AS 2980.1-2004. “

Response:

The OSD tank does not protrude into the basement ceiling as it is positioned directly over the basement concrete lid. As requested by council officer a detailed cross section (cross section 2 on sheet S700) is provided on the updated stormwater plans.

Council raised question 2:

“The OSD design is no acceptable and need to be re-designed with the correct OSD parameters (SSR= 470m3/ha and PSD= 80 l/s/ha). Due to the incorrect OSD parameters the storage volume are under estimated while the site discharge is overestimated. The orifice size is also overestimated. A revised OSD design and calculation must be prepared.

The OSD storage volume provided is insufficient (just 40%) and does not comply with the minimum requirements. An OSD storage volume of approx. 95m3 will be required as a part of management of site stormwater. “

Response:

The development does not fall within the UPRCT according to C6.2 of "On-Site Stormwater Detention Policy" of Holroyd council. Thus, the reason PSD of 140 and SSR of 300 were adopted.

Council raised question 3:

Parramatta DCP 2013 requires the development to incorporate a water sensitive urban design measures in accordance with the section 3.3.6 of the DCP. The development must provide such measures and must achieve the stormwater treatment target for the pollution removal as outlined in Table 3.3.6.1 under Section 3.3.6 of Parramatta DCP 2013(Part 3). Appropriate measure must be employed demonstrating compliance with the treatment targets for the pollution removal.

Development falls within Former Holroyd Council. Therefore, Holroyd's DCP was adopted in the design. Moreover, to our knowledge Holroyd's DCP does not state requirements for water sensitive urban design.

In addition to the above-mentioned points, these issues were not raised during the initial council meeting conducted with Ziad Dakkak our representative engineer.

If further information is required, please do not hesitate to contact me at any time.

Regards,

Mootassem Hassoun

MIEAust 4742976
Civil Engineer

A handwritten signature in black ink, appearing to be 'Mootassem Hassoun', written in a cursive style.