

James Argles

From: Planning Support
Subject: FW: HGY/2022/2723 - Brunel Walk, London, N15 5HQ - IMPORTANT

Sent: 07 December 2022 15:22

Subject: RE: HGY/2022/2723 - Brunel Walk, London, N15 5HQ - IMPORTANT

Kiran,

Link to revised report to reflect the requested changes and queries from the drainage officer.

Please see summary response below, Meinhardt responses as highlighted.

- 1) Within the submitted drainage strategy, clause 4.3.1 states that 'The development area for the new residential blocks in the southern portion of the site is 0.4564 ha of this 0.2990 ha is impermeable'. However, Table 4.1 for the existing surface water discharge rates list a contributing area of 0.2168 ha. Therefore, clarification of the impermeable / contribution catchment is required. 0.2990ha is the proposed impermeable area, whilst 0.2168 is the existing and therefore used when calculating the existing surface water runoff. We have updated the text to make this clearer.
- 2) It has also been noted that the proposed drainage calculations as shown in Appendix F shows the total contribution area of 0.148 Ha. Therefore, clarification is sought. The issue here is that the green roof catchments don't appear on the network area summary, in order to make things simpler we have removed the green roofs from the model and treated these as hardstanding, this is a worst case scenario as green roofs will aid in reducing peak runoff and are still proposed, but the advantage is that the Area Summary provided as part of the results show a total impermeable area of 0.2990ha within the model which aids in this approval process. We have updated the text within the report to make this approach clear, i.e. green roofs are still proposed but not included in the MicroDrainage model.
- 3) The critical storm duration for each element of the drainage network should be determined by considering a FULL range of summer and winter storm durations from 15 minutes up to the 10080 minute (7 day) duration. We have re-run the drainage model and included updated results in the report.
- 4) In order to assist with the maintenance of the SuDS features, it is advised to install silt trap manholes on the inputs to the storage structures. Noted, we have added "-CP" onto the drawing to denote catchpits manholes/inspection chambers upstream of the attenuation and made reference into the report under the maintenance strategy.
- 5) Please supply an exceedance flood flow drawings showing proposed internal and external finished levels. We have added a new drawing within Appendix A.

As discussed, no adverse comments on the TW response.

Kind Regards

Gurdeep Bansal
Associate Director Civils Team



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