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Reference: JH / 12690 – 10.02.2020

LLFA Objection – Hertfordshire
Reference: RE: 6/2019/1411/MAJ
Date of Objection: 01.11.2019

Objections:

1. *An updated drainage strategy to include reduced discharge rate*
2. *Evidence that if the applicant is proposing to discharge to the local sewer network that they have confirmation from the relevant water company that they have the capacity to take the proposed volumes and runoff rates.*
3. *Further details on SuDS management stages provided within the drainage strategy.*
4. *Details of any required maintenance of any SuDS features and structures and who will be adopting these features for the lifetime of the development*

Response:

1. Since the latest response Thames Water have accepted the original discharge rate of 123 l/s. The formal response has been included within the submission.

2. Thames Water have accepted the original discharge rate of 123l/s into their local sewer network. The formal response has been included within the submission.

3. Please see below full break down of SuDS Management Train and SuDS features used.

Source Control:

Green roofs: Space is limited due to the need to provide for plant and vehicle display areas on the roof. Also, cost to the structure roofs can be considerable. Therefore, green roofs have been disregarded.

Permeable surfaces: A soft landscaping strategy has been designed which contributes to limiting the developments impermeable areas. (soft landscaping strategy attached).

Rainwater harvesting: Rainwater harvesting will be disproportionate in terms of cost and function in regards to the proposed development features (Toilet, sinks etc.) Therefore, rainwater harvesting has been disregarded.

Site Control:

Ponds / Detentions basins: the site layout does not allow the space required for any type of open feature within the surface water drainage system.

Filtration: Permeable aisles are implemented into the design to filter any run off from external areas. Within the yard we are proposed a full retention petrol interceptor.

Attenuation: A large cellular tank is proposed as a way to store backed up water on site and ensure that any flooding within the 100 year event + CC is contained on site.

Regional Control:

Discharge Control: The drainage strategy includes a vortex control to limit the development discharge to the historically agreed 123 l/s.

Attenuation Pond: The overall Hatfield Business Park drainage strategy which our development will be discharging into has a large attenuation pond as shown on the attached plan (6763_102G_Schematic Storm Drainage).

Across the Hatfield Business Park there are a series of petrol interceptors, permeable paving and attenuation throughout the individual plots. The plots discharge into the infrastructure drainage which has an adequate volume of attention. Prior to surface water discharging offsite the overall Business Park flows are further attenuated within large ponds as shown on plan 6763_102G_Schematic Storm Drainage.

4. We have produced a SuDS maintenance plan which I have attached, apologies if this have previously been missed.