Miszewska, Arleta

From: FWM Statutory SWM Consultee mailbox <SWM.Consultee@hants.gov.uk>
Sent: 23 August 2023 15:17
To: Miszewska, Arleta
Cc: FWM Statutory SWM Consultee mailbox
Subject: RE: APP/23/00193 Land rear of and 15A-15c South Street, Havant

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Dear Arleta

I have reviewed the content of the Foul and Surface Water Drainage Report and Maintenance Manual (CGS Civils, 1/8/23).

The proposal for surface water drainage is to discharge runoff from the site to the surface water sewer. This is likely to result in betterment on the existing arrangements as flows will be attenuated and restricted to 2 l/s for much of the site, with some areas discharging without restriction. The existing runoff rate has not been calculated, and Southern Water may require this information to compare with the proposed discharge rates to ensure that existing rates are not exceeded. The applicant should prepare this information, to include total impermeable areas and total discharge rates for the existing site and proposed development, so that the LLFA may also review it. This is required because it is not clear whether there is any existing attenuation or flow controls. The LLFA has no requirements for betterment, just that existing rates should not be exceeded. Betterment and the removal of surface water discharges from the foul network is welcomed however.

The decision to exclude infiltration as a drainage strategy may be justified if the required distance between buildings and infiltration features cannot be achieved. It is anticipated that this may be at least 10 metres but no further information has been provided. More information is needed on why infiltration is not viable here, especially as intrusive investigation has not been undertaken.

Hydraulic calculations have considered an appropriate peak rainfall allowance for the location and type of development, and no flooding is anticipated for the design storm event. Exceedance flood flow routing has been considered. It is not clear whether an increase in impermeable area to account for urban creep has been considered.

Pollution hazard mitigation is proposed in the form of permeable paving, which is acceptable, however it should be noted that not all runoff generated by the site will pass through the permeable paved areas. Runoff from roofs still has hazard indices to be mitigated.

SuDS maintenance information has been provided for the proposed surface water drainage system.

In summary, I would expect to see the assessment of existing and proposed runoff rates for the site in more detail, further justification for not considering infiltration, consideration of urban creep in the calculations, and further consideration of untreated runoff in some areas. Any final approval from us would be subject to Southern Water approval also, with regards to connections into the surface water sewer.

Regards

Tom Callaway

From: Miszewska, Arleta <Arleta.Miszewska@havant.gov.uk>
Sent: Thursday, August 10, 2023 9:18 AM
To: FWM Statutory SWM Consultee mailbox <SWM.Consultee@hants.gov.uk>
Subject: APP/23/00193 Land rear of and 15A-15c South Street, Havant

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Dear Tom,

I trust this finds you well.

Please see attached information submitted in response to your comments on the above application. Would you please let me know if this overcomes your concerns? Please, let me know if you require a formal consultation request.

Kind regards,
Arleta

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Working pattern: Monday – Friday

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