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PERSIMMON HOMES THAMES VALLEY

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Michael Eastham
Principal Planning Officer
Arun District Council
Civic Centre
Maltravers Road
Littlehampton
West Sussex
BN175LF

Dear Michael

19th November 2021

Town and Country Planning Act 1990 (as amended)

Application for Details Reserved by Condition attached to Outline Consent: LU/47/11

Condition 10 (Surface Water Drainage Scheme)

In respect of Phase 2B at Hampton Park, Toddington Lane, Littlehampton

Condition 10 requires the submission of a surface water drainage scheme for this phase based on the sustainable drainage principles and designed in accordance with the SUDs strategy for the whole development.

The following information is submitted in support of this application:

- Completed Application Form;
- A planning fee [REDACTED]
- Phase 4 Surface Water Drainage report prepared by Mayer Brown;
- Appendix D – Phase 4 Drainage Plans and Longitudinal Sections;
- Appendix I – Catchments 01 & 02 Microdrainage Results;
- Appendix J – Catchment 03 Microdrainage Calculations;
- Appendix L – Approved Engineering Plans, Gas, Levels, Construction Treatments & Longitudinal Sections;
- Appendices M to P – Drainage Details and Proprietary Drainage Information.

Based on the contents of the Surface Drainage report prepared by Mayer Brown we are of the view that the proposed civil and drainage design accompanying this discharge of condition application is sufficiently progressed to enable the discharge of condition 10 in respect of Phase 2B at Hampton Park. The following appendices are enclosed within this submission:

- Appendix D - Drainage GA plans and longitudinal sections showing manholes locations, cover level and invert, pipe diameter and gradients, pipe bedding, gully cover and invert levels, exceedance flows, catchpits upstream of attenuation tank;
- Appendix L – Engineering plans for the approved layout that contains GA's, proposed levels, construction treatments and road longitudinal sections. The drainage designs in appendix D are based upon the engineering plans;
- Appendix I & J – Microdrainage calculations that align with drainage plans in Appendix D, which also show a surcharged outfall and the latest FEH2013 is used;
- Appendix K – Shows where catchment 3 outfall into the proposed swale in the Central Wetland that forms part of a future planning application to be submitted imminently;
- Appendices – M, N & O contain GTA drainage construction details and proprietary information for the permeable paving and attenuation tank. This will be progressed by GTA Civils as part of their S104 submission to ICOSA water and the construction package to enable it to be constructed.



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In respect of the Council's Surface Water Drainage Proposal Checklist it is divided into 12 items and we have the following comments:

- Items 1 to 5: Cover groundwater monitoring and infiltration. It has been established the underlying soil is not suitable for infiltration and more importantly the water level in the immediately adjacent central wetland areas is quite high. Therefore infiltration is not possible;
- Item 6: Requires any proposed discharge rate to be lower than, or equal to, the pre-development rate. It has already been agreed with Arun DC that the proposed discharge rate of 15 litres/sec/hectare is acceptable;
- Item 7: Stipulates the appropriate factor of safety when designing infiltration systems. We are not using infiltration;
- Item 8: Is in reference to an ordinary watercourse consent if we propose to discharge into, culvert or alter a watercourse. This is being dealt with under outline planning condition 12 of which details will be submitted under a separate discharge of condition application in due course;
- Item 9: Requires modelled drainage networks. Micro drainage calculation have been submitted that include a surcharged outfall;
- Item 10: List the information that is required on drainage plans. This information is on the plans;
- Item 11: Requires drainage details. This information has been supplied;
- Item 12: Require exceedance flow routes to be supplied. This information is in the drainage plans, and is also discussed in the submitted report.

I hope the enclosed documentation is sufficient to approve this planning condition. However, if you have any queries or require any further information please do not hesitate to contact me [REDACTED]

I look forward to receiving receipt of validation in due course.

Yours Sincerely

[REDACTED]

Aimee Harris

Planner

Persimmon Homes Thames Valley