

Re: Planning Application APP/22/00681 Havant Thicket, adjacent to Sir George Staunton Country Park, Middle Park Way, Havant

Dear Gary,

Thank you for consulting us on the further information in relation to this application. We have reviewed:

- Atkins Letter to Gary Christie from Laura Cowie/ ref 5202641/ 13-10-2022
- Revised Drainage Management Plan/ HTR-ATK-XX-ZZ-RP-Z-0004/ Rev C04/ 10-10-22

The following issues have been addressed:

- **Please confirm where the three sub-catchments discharge to.** Thank you for providing a plan showing all three catchment areas. These appear to all discharge to the same location. Given this we are happy to consider this issue is resolved.
- **The micro drainage results have not modelled the 1 in 100 plus 40% scenario.** Thank you for providing updated micro drainage results showing that 40% climate change allowance has been applied. We are pleased to see that this does not result in flooding of the system. Given this we are happy that this issue has been resolved.
- **Performance concerns at HW10.** We understand that arrangement being provided is a formalisation of the existing situation and should provide some minor betterment to the existing set up. Given this we are happy to consider this issue is resolved.
- **Please confirm who will be undertaking maintenance of the drainage proposed.** Thank you for confirming that Hampshire Highways will be adopting the ditches and drainage associated with the B2419. The North Access Road and associated drainage and any drainage associated with the reservoir project is being adopted by Portsmouth Water. The remaining ditches maintenance full to the existing landowners (Forestry England and Hampshire County Council).

However, there are outstanding questions relating to:

- **Please clarify the discrepancy between the existing flow rates shown in section 3.6 of the drainage management plan and the greenfield runoff rates provided in the micro drainage calculations.** Thank you for clarifying that the discrepancy shown is because the table shows the existing runoff where the impermeable area is not being changed and the micro drainage calculations just shows the greenfield rates where the impermeable area is proposed to increase. However, the revised existing and proposed discharge rates provided in the Drainage Management Plan is different compared to the same table in the previous Drainage Management Plan version of section 3.6 and 3.7. For example, the new Drainage Management Plan for phase 1 chainage 1210-1407m gives an existing discharge rate for the 1 in 100 flow as 28.6 l/s and the proposed discharge rates for the 1 in 100 as 8.6 l/s. In the previous version of the Drainage Management Plan the existing 1 in 100 discharge rate was 14.3 l/s and the proposed for the same event was 13.5 l/s. Please can you explain why the latest version of the discharge rates have changed.
- **It is not clear from the discharge rate tabled that climate change has been applied and mitigated for.** We are pleased to see that climate change has been applied to the micro drainage modelling of the system. However, it is not clear in the existing and proposed comparison tables that climate change allowances have been applied. Climate change

allowances should be applied to the proposed runoff rates and not the existing runoff rates to ensure that the development is mitigating for the impacts of climate change.

Please can you confirm that this is the case.

Kind Regards,

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