

21st November 2024

13508 – Havant Phase 2: - Response to Lead Local Flood Authority comments

Application Summary: -

Reference: APP/24/00274

The County Council has reviewed the following documents relating to the above application:

- 13508 – Havant Phase 2: - Response to Lead Local Flood Authority comments.
Baynham Meikle 21 October 2024

The above document, submitted in response to the LLFA consultee response to the above reserved matters application has been reviewed and the LLFA has the following comments:

The LLFA comment raised regarding surface water treatment has been satisfactorily addressed in the submitted document.

The LLFA comment raised regarding the long-term maintenance of the surface water drainage infrastructure has been satisfactorily addressed in the submitted document.

The LLFA comment raised regarding the capacity of the receiving pipe network for the proposed surface water drainage outfall has not been addressed. For clarification: the comment does not relate to the discharge rate of the development, which was approved at outline stage along with the discharge rate from the neighbouring site. The discharge from the site is to be restricted to the 1 in 1-year existing brownfield rate: 19.1 l/s. The LLFA comment related to the capacity in the 375mm unspecified private drain into which the development is proposed to discharge. The combined discharge rate from this application site and the neighbouring site will equal 132 l/s and this rate is equal to the capacity of the receiving drain. Investigation is required to determine if the existing drainage network to the south of the site into which the development will discharge has sufficient capacity, considering other existing inflows, to convey the proposed flow. No information has been provided in this respect. As LLFA our concern is potential increase in flood risk downstream of the site. The applicant should also provide information on ownership and responsibility of the receiving network and whether connection / discharge agreements are in place with the owner of the infrastructure.

The existing development (Phase 2) and neighbouring site (Phase 1), previously known as Zone 3, brownfield run of rates were calculated as the following:

- 272.95 l/s (1:1 year),
- 669.51 l/s (1:30 year),
- 863.54 l/s (1:00 year).

Phase 1 has since been restricted to 112.9 l/s while Phase 2 has an agreed discharge rate of 19.1 l/s, giving a combined discharge rate of 132.0 l/s for all return periods. This is significantly lower than the calculated brownfield run off rates shown above.

Zone 3 used to discharge into the existing private 375mm dia sewer at an **unrestricted** rate. Phase 1 and the proposal for Phase 2 offer a significant betterment to existing rates and therefore an overall betterment to the receiving network.

There is a private storm sewer that runs along the south boundary of the application site and the neighbouring site which both historically used to discharge into at different positions along the length of the sewer. The flows then travelled south via the 375mm dia sewer (proposed application site connection).

The discharge rates for both Phase 1 and Phase 2 are **restricted** to discharge at 132.0 l/s for all return periods (equal to pipe capacity existing 375mm dia pipe), which as mentioned above, is lower than the 1:1 year brownfield rate. Phases 1 and 2 have attenuation tanks provided to accommodate the restricted run off rates and protect against flooding downstream.

The connection point (375mm dia pipe) is an existing connection that the application site and the neighbouring site historically used as a means of surface water discharge and therefore the existing agreement is to remain in place to continue to utilise this connection for Phase 2, as it is for the neighbouring site (Phase 1).