

Our ref: MG/MK/11088

Alister Trendell  
Dorset Council, Flood Risk Management Team  
Place Services  
County Hall  
Dorchester

1 February 2023

Dear Alister,

**DISCHARGE OF PLANNING CONDITION 5**

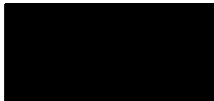
**KNOLL HOUSE HOTEL, FERRY ROAD, STUDLAND, SWANAGE, BH19 3AH**

Planning condition 5 states:

*“To achieve the proposed discharge rate of 9.7l/s the report states that ‘on-site storage will consider a 40% allowance for climate change when calculating storage volumes.’ An estimate of the storage volumes required, the location, and the method of storage are not provided in the report or shown on the drainage strategy drawing. The following is required: an estimate of the storage volume required to restrict the flow rate to the design discharge rate, the location of the storage proposed, and the method of the storage proposed (it should be noted that the preferred storage method is in above ground storage such as an attenuation basin. The use of below ground storage must be justified and evidenced).”*

As designers of the surface water drainage for the Knoll House Hotel development, Patrick Parsons can confirm that the estimate storage volume required to achieve a discharge rate of 9.7 l/s is 200m<sup>3</sup>. The drainage strategy proposes tanked permeable paving within the car parking and access road areas of which all surface water will drain to. The majority of the proposed buildings will have green roofs hence reducing the pressure on the surface water sewers. There will not be any below ground attenuation storage tanks. All runoff will be stored in the permeable paving structures before discharging to the nearby pond at a restricted rate of 9.7 l/s.

Yours sincerely



**Mo Khan**

Civil Engineer

cc: Mihajlo Gojkovic

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