

Our ref: 21-080_001
Your ref: GBC/2021/086547
Application No: 20211092

11th May 2022

FAO: Thomas Hawes
Flood and Water Management
Invicta House
Maidstone
Kent
ME14 1XX

Dear Thomas,

RE: MILTON MOUNT HALL, OLD ROAD EAST, GRAVESEND, KENT DA12 1NQ

Further to your letter dated 24th February 2022 please see our response below to the three items raised.

1. *As per SuDS Policy 7, water quality measures should be provided and "full considerations must be given to the systems capacity to remove pollutants". Measures such as rain gardens, permeable paving and green roofs should be considered as part of the drainage network.*

The Scheme has been updated to reflect the above comment (21-080_C01 rev A) areas of permeable paving have been introduced where the greatest concentration of pollutants are most likely to be deposited (parking bays). The remaining hardstanding areas are aisles not subject to parked vehicles and have been designed this way so that clear delineation of parking and non-parking areas are identified.

2. *Confirmation is required that there is a minimum of a 1m unsaturated zone between the base of the soakaways and groundwater levels.*

As per section 5.2 of the Ground and Environmental Services Limited Geo-Environmental Investigation dated November 2021 Document Reference: 12722.

"Groundwater was not recorded during the intrusive investigation. Post fieldwork monitoring recorded water at 3.87m in WS1 however this coincided with the base of the test hole and maybe water trapped in the end cap at the base of the installation. Borehole BH1 was recorded as dry at 18.8m"

WS1 is located in the southern corner of the site, we do not have topographical level for this exact location. From attending the site it was observed that this area is lower than the closest topographical survey level of 29.27. Using this level as an approximate datum level would put the water encountered in WS1 would be 25.40. Please note the comments in Section 5.2 of the Ground and Environmental Services Limited Geo-Environmental Investigation. It is also noted that no groundwater was identified with BH1 at 18.80m. Based on this information the groundwater level is greater than 18.80m below ground level. The lowest soakaways base level is 26.65 which on a worst-case scenario using the groundwater level of 25.40 would provide an unsaturated zone of 1.25m.

3. *In the Geo-Environmental Investigation provided, Section 8.4., it states that further soakage testing is required once on site. This will be required to be completed and submitted as part of a detailed design application.*

This shall be undertaken onsite in the location of the proposed soakaways and incorporated within the detailed design.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Reiss Rampton'.

Reiss Rampton

Gravesham Borough Council