

[REDACTED]

From: Laura Gibbons
Sent: 18 February 2019 13:57
To: 'Kantziari, Stamatia' [REDACTED]
Subject: RE: Chichester University App BR/311/18/PL

Hi Stamatia,

Thank you for supplying the further information.

1. Please can you supply a plan with nodes labelled that directly correspond with the modelled nodes.
2. Okay.
4. Okay.
5. Okay.

I will await the additional details for point 1 and the outstanding information regarding point 3.

Kind Regards,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

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Save the environment - think before you print.

From: Kantziari, Stamatia [REDACTED]
Sent: 13 February 2019 14:32
To: Laura Gibbons
Cc: Mulligan, Niall; Prayag, Roddy; [REDACTED]
Subject: RE: Chichester University App BR/311/18/PL

Laura,

Following our meeting on the 22nd of January and the actions that were agreed, we have addressed some of your comments as detailed below:

Point 1: The discharge rate from the development has been reduced to 2 l/s. Please find attached the updated drawing showing the Hydrobrake chamber with the limit out flow to 2 l/s based on 0.9m head. We also attach the Micro-drainage results to demonstrate that the model operates satisfactory.

Point 2: There is adequate capacity within the attenuation pond to contain both displaced flood water and the surface water from the proposed development. The total volume of the pond is 371.3 m³. The water level of the tank for the 100 year storm 2880 minutes is 0.889m. At this level the attenuation uses 247.4 m³ of the pond total capacity. The volume for flood compensation is 69.68 m³. Therefore, the total amount of water is 317.08 m³ and the remaining unused volume is 54.22 m³.

Point 4: Drawing UOCC-ACM-ZZ-05-DR-DR-30003 shows the information we found for the existing potable water pipe with easement, the existing foul water pipe with easement and the existing culverted watercourse. The location of the culverted watercourse is outside the development boundary. The potable water pipe and the existing foul water diverted pipe are within the site boundary but not under the building footprint. Therefore, the works will not be affected.

Point 5: The updated drainage layout shows a 3m buffer strip to the ordinary watercourse (area highlighted yellow) as requested. The existing foul water chamber (S106 –CL=1.380 , IL=0.180) which was constructed by others is within the 3m buffer zone and will be broken into to provide a connection point for the foul discharge for the proposed development. The works associated with this connection chamber S106 are the only works that will fall within.

We have updated the hydraulic model for outlet to the ordinary watercourse and added a permanent surcharged depth of 1.2m at this location as requested. Please find attached the Micro-drainage model.

We have not yet addressed Point 3. We are working on these and we aim to issue a package of report and drawings in the near future.

Should you require any further information, please do not hesitate to contact us.

Regards,

Stamatia Kantziari , MEng (Hons) ,GMICE
Graduate Engineer, Infrastructure, Buildings and Places

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