

[REDACTED]

From: Simon Davis
Sent: 21 December 2018 09:55
To: Planning.Responses
Subject: FW: A18237C. Kings Beach Hotel (P/83/18/DOC)

Further drainage comments

From: Laura Gibbons
Sent: 21 December 2018 08:51
To: Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: A18237C. Kings Beach Hotel (P/83/18/DOC)

Simon,

I finally had a chance to look through this information, we need to have the porous asphalt construction details supplied as part of the submission. I am not sure if they are stating that it will be in accordance with that supplied by me, this is not correct as I supplied a snapshot of a detail of permeable block paving.

Can it be proved that there is insufficient capacity within the potential sub base depth of the road to receive roof water too? It must be proved that a connection into the storm water sewer is required. So far this proof has not been provided.

If the connection into the sewer is required I need to see that S106 consent has been received. Construction detail drawings of the hydrobrake are also required.

Kind Regards,

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

Laura Gibbons | Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF
Internal: 37818 | External: +44 (0) 1903 737818 | Fax: +44 (0) 1903 716018 | E-mail: laura.gibbons@arun.gov.uk
Arun is Working in Partnership with Chichester District Council
Visit Arun's web site at <http://www.arun.gov.uk/> and www.chichester.gov.uk



Save the environment - think before you print.

From: [REDACTED]
Sent: 12 December 2018 10:21
To: Simon Davis; Laura Gibbons

Cc: [REDACTED]
Subject: A18237C. Kings Beach Hotel (P/83/18/DOC)

Simon / Laura,

Further to conversations and comments on this site, the developer has undertaken a shallow depth soakage test as per your recommendations.

Please find attached the soakage calculation and the MicroDrainage calc showing that the porous surfacing will drain itself safely in the 100 year storm event + 40% climate change.

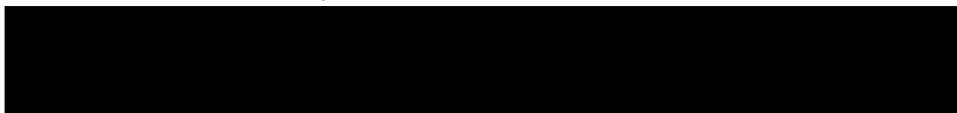
Also included is the revised surface water system (now only serving the roof areas) with updated typical details and MicroDrainage simulation model (with urban creep). The porous asphalt detail has been omitted as it should be as per the agreed detail already discussed with the supplier.

I trust this is sufficient for the project but if you need anything else please contact me ASAP and I will endeavour to expedite it.

Kind Regards,

Engineering Andy Johnson
BSc BEng MEng CEng MICE
Principal Consultant

The Stilwell Partnership



What we do: Structural Engineering Environment & Energy
Civil Engineering Building Services Traffic & Transportation
Flood Risk & Drainage Waste Water Course Services
Planning Support Infrastructure Building Consultancy

London Newcastle Glasgow Huddersfield Manchester Chester Birmingham Guildford Dubai Sydney



Registered Office: Satelliet House, 2 Nexus Park, Lysons Avenue, Ash Vale,
Surrey, GU12 5QE Registered in England and Wales: 6476526.
Email confidentiality notice: This message is private and confidential. If
you have received this message in error, please notify us and remove it
from your system.