

From: Simon Davis
Sent: 04 July 2018 14:31
To: Planning.Responses
Subject: FW: 97 Barnham Road, Eastergate - EG/107/17/DOC

Please upload as Letter from Applicant

Kind Regards

Simon J Davis MRTPI | Principal Planning Officer, Planning Department, Directorate of Place, Arun District Council |
Location: Planning, First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF
Internal: 37874 | External: +44 (0) 1903 737874 | E-mail: simon.davis@arun.gov.uk

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Save the environment - think before you print.

From: Gerald Moore [REDACTED]
Sent: 04 July 2018 13:35
To: Simon Davis
Cc: Martin Harvey; Chris Matthews; Adam Light
Subject: Re: 97 Barnham Road, Eastergate - EG/107/17/DOC

Simon

Please find attached further commentary from the drainage engineer, Martin J Harvey Consultant Drainage Engineer.

In his email Martin advises me that he will be away until the 23rd July on annual leave and so I trust the information contained within will remove any concerns and an approval will be forthcoming.

Regards

Gerald

Martin J. Harvey B.Sc., C.Eng., MICE
Consultant Civil Engineer

3 Orwell Road
Petersfield
Hampshire
GU31 4LQ

04 July 2018

By email

Gerald Moore RIBA
1 Exmoor Crescent
Worthing
West Sussex
BN13 2PL

Dear Mr Moore

97 Barnham Road, Eastergate - EG/107/17/DOC

Thank you for forwarding the Arun District Council Drainage Engineer's comment dated 8 June 2018 produced below:

"However, we need to see an additional manhole and length of gravity pipe (to be laid at an agreed gradient) at the downstream extent of the rising main. Not including this could result in serious problems with backing up of foul water and blockages occurring as a result."

Regarding the request for an additional length of gravity at the end of the rising main I fail to understand why this is necessary. There is an intermittent surface water discharge, during rainfall events, of a maximum of 3.0 l/s entering into the manhole on a side branch which will be directed down the sewer. This will be clean water as the rainwater will have passed through silt traps, attenuation tanks and flow control before reaching the pumping station. The foul flow in the manhole is from 3 dwellings giving a 'Sewers for Adoption' flow of 0.138 l/s. The maximum flow of (3.0 + 0.138) 3.138 l/s is less than 50% of the capacity of the 100mm sewer @ 6.8 l/s. How will the direct connection of the rising main result in serious problems of backing up of foul water? A gravity connection of surface water into the manhole will result in the same flow rates. I accept the gravity drain may attenuate the pumped flow a small amount but I do not see how that is necessary in this case.

Ultimately, this is a private drainage system to be maintained by a management company who will have responsibility to deal with blockages and any defects. Building Control have approved the drainage system as installed.

Yours faithfully

M J Harvey