

Sandra Edwards

From: Charlotte Burrows on behalf of Planning.Responses
Sent: 27 October 2017 10:30
To: Planning Scanning
Subject: FW: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Please upload as consultation response
Thanks

From: Michael Eastham
Sent: 26 October 2017 15:03
To: Planning.Responses
Subject: FW: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Please upload on Ocella.

Thanks,

Michael

From: Paul Cann
Sent: 26 October 2017 13:07
To: Michael Eastham
Subject: RE: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Hi Michael

They are clearly not familiar with national guidance, The Suds manual, good practice or our requirements. Whilst the basic principles are contained in the FRA, the detailed design is considered via the appropriate condition. I don't see why they cannot at least incorporate lined permeable paving in driveways/also incorporating discharges from roof water into it where possible, in order to provide further water treatment and to help increase the time it takes for flows to get to the site outfall.

We already have flooding downstream of the site in Hill Lane and therefore everything that can be done, should be done, in order to reduce flood risk.

The drainage strategy drawing they have provided is purely a 'strategy' showing the bare minimum of details. It is not a detailed design.

The detailed design will need to include the following;

1. A fully detailed drainage layout incorporating road/driveway/roof drainage elements.
2. Hydraulic calculations to support the proposals.
3. Fully detailed construction details of all drainage elements, including the pond.
4. I believe they have cleaned out the ditch adjacent to their site boundary, however, it is evident that the section of ditch immediately downstream is heavily vegetated/silted and will impact on the proposals. They need to advise of their intentions in this respect, bearing in mind the ditch downstream is in third party land. I would hope that they can come to a mutual agreement with them, as it is in their interest. This will need to be discussed further.

I assume the detailed drainage design will be dealt with under a DOC application?

Hope this all makes sense.

Regards

Paul Cann
Senior Engineer (Drainage & Coastal)

[Paul Cann](#) | Senior Engineer (Drainage & Coastal), Engineering Services, [Arun District Council](#) | Location: First Floor, Arun Civic Centre,
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From: Michael Eastham
Sent: 13 October 2017 16:28
To: Paul Cann <Paul.Cann@arun.gov.uk>
Subject: FW: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Hi Paul,

Please see the email from Katie Chalk below.

Regards,

Michael

From: Katie Chalk [<mailto:k.chalk@WoodsHardwick.com>]
Sent: 13 October 2017 15:23
To: Michael Eastham
Cc: Matthew Driver; ian.carey@matthew-homes.com; John Freeman
Subject: RE: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Hi Michael,

By way of Introduction, we are Engineering Consultants working on behalf of Matthew Homes in relation to the above site. Matthew Driver has forwarded on your query regarding whether permeable paving / swales should be incorporated into the site's drainage design.

Having looked back through the approved FRA and Water Management Assessment (Report Ref: IT1543FRA08.07.15_issue) and associated conditions, there isn't a requirement to provide further SuDS features than those originally approved. Furthermore the provision of the attenuation basin will provide a suitable level of treatment that is appropriate for residential roofs and roads / driveways, as suggested within the SuDS Manual. The basin has also been designed to accommodate the stipulated 1 in 100 year + Climate Change storm event, therefore additional storage is not required.

We would therefore request that the drainage scheme is agreed on the basis that it accords with the approved drainage design and is in line with best practice guidance.

If you require any further information or clarification, please do not hesitate to contact me.

Kind regards

For and on behalf of Woods Hardwick Infrastructure LLP

Katie Chalk
Graduate Engineer

From: Michael Eastham [<mailto:Michael.Eastham@arun.gov.uk>]
Sent: 12 October 2017 14:49
To: Matthew Driver
Subject: FW: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Hi Matthew,

Please see the response from Paul Cann, the ADC Drainage Engineer below.

I look forward to receiving amended plans from you to ensure that the drainage scheme is agreed.

Kind regards,

Michael

From: Paul Cann
Sent: 12 October 2017 14:45
To: Michael Eastham
Subject: RE: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Hi Michael

Not sure if this reply is too late.

As far as I am aware the drainage scheme is not agreed and therefore, yes, there is scope to include permeable pavements/swales, etc in order improve water treatment and to also help slow the flows down/create additional storage, etc.

Regards

Paul Cann
Senior Engineer (Drainage & Coastal)

[Paul Cann](#) | Senior Engineer (Drainage & Coastal), Engineering Services, [Arun District Council](#) | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: Michael Eastham
Sent: 05 October 2017 13:02
To: Paul Cann <Paul.Cann@arun.gov.uk>
Subject: BN/28/17/RES Land rear of Lillies, Yapton Road Barnham

Hi Paul,

I need your advice!

I am currently drafting a committee report on the application for reserved matters (BN/28/17/RES) on land to the rear of Lillies, Yapton Road, Barnham and I am going through the correspondence on drainage where I have read the following comment:

"It is good practice to provide as many features as possible to help attenuate flows and provide water treatment. Having just one feature ie. a pond, means everything relies on the ponds performance. Ponds also take time to get established and therefore the vegetation benefits are not immediate."

It looks as though the drainage details for the site have not been agreed and the layout could be amended to include ponds and / or swales, is that the case?

If that is the case, I cannot present the Reserved Matters application to Committee until I have the final agreed layout for the site.

I look forward to receiving your response.

Regards,

Michael

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