





From: Laura Gibbons
Sent: 25 January 2019 11:33
To: Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: Y/92/18/DOC- Further Drainage Supporting Info

Hi Simon,

I have reviewed the document and have the following comments.

1. You are proposing on using permeable paving in areas where infiltration at 1m depth does not work. There is no proof submitted that demonstrates the drainage for the road has a point of discharge. You will need to complete infiltration testing at the formation level of permeable paving to determine if infiltration is viable. If it isn't a point of discharge to watercourse will be required.
2. Calculations regarding the permeable paving and swale will need to be submitted based on these results.
3. The swale is currently modelled with a free outflow point, this isn't the case in reality. Calculations need to be based on reality.
4. No quantification of the duration of flood events within maypole lane has been provided. I.e. please detail how long water will be held within the attenuation basin for before discharge to watercourse is possible. Without this the efficacy of design cannot be reviewed.
5. Insufficient details of the flood barrier have been provided. Please provide site specific drawings which include the concrete slab base and connectivity to the barrier.
6. You again mistakenly state that the attenuation basin will fall under the reservoirs act, it's volume above ground level means it will not. Therefore, the reassurances you provide are unjustified and your argument regarding overlapping legislation is flawed.
7. Full details of the attenuation basin will therefore need to be provided.
8. No dimensions have been provided on the attenuation basin and siphon drawings. This needs to be detailed.
9. The permeable paving construction details need to show permeable membranes are being provided. No details of the permeable surface course have been provided, and need to be.
10. Please detail what material will be used for the 150mm permeable base layer.
11. Sufficient construction detail drawings haven't been provided.
12. Sufficient details on layout plans have not been provided.

To summarise, it has not been demonstrated that the surface water drainage proposals will not increase flood risk elsewhere now or in the future. Therefore, I cannot recommend the discharge of these conditions.

Kind Regards,

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

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From: Simon Davis
Sent: 24 January 2019 09:21
To: Laura Gibbons
Subject: FW: Y/92/18/DOC- Further Drainage Supporting Info

Laura,

Please see below and attached for your further consideration please. They are correct that Y/92/15/PL expires on 26 January.

Kind Regards

Simon J Davis MRTPI | Principal Planning Officer, Planning Department, Directorate of Place, Arun District Council |
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Please note that I typically work from home on Thursdays when I am unreachable on my work phone

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From: Rosie Foreman [REDACTED]
Sent: 24 January 2019 08:54
To: Simon Davis <Simon.Davis@arun.gov.uk>
Subject: Y/92/18/DOC- Further Drainage Supporting Info

Dear Simon

Further to the latest comments we have from the Council's drainage engineer, please find attached a response from the applicant's drainage consultants, setting out the results of further winter infiltration testing which has been carried out over December and January, and includes further details of the reservoir and outflows. It follows the Council's 'Supplementary Requirements for Surface Water Drainage Proposals', published on the Council's website, which unfortunately was not referred to in the pre-application discussions between the applicant's drainage consultants and the Council's drainage engineer.

I realise that this is very late in the day for receipt, given that the permission expires 26 Jan, but I hope the Council will be able to review the latest submission in time, particularly as the submission has been based on pre-application discussion with the drainage team and we have responded as quickly as possible to additional requirements for winter infiltration testing on site.

I look forward to hearing from you

Kind regards,

Rosie Foreman

BSc (Hons) MSc MRTPI

Senior Planner

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