

Steven King

From: Jethro Sifflet [REDACTED]
Sent: 29 October 2025 16:14
To: drainage
Cc: Steven King; Joanne Fisher; David Thompson; John Bullivant
Subject: RE: 2025.10.29 Re: DM/25/1535 - Twinham, 34 Hurst Road, Hassocks, West Sussex - Follow on from Telephone call today 10:25am 29.10.25 (28MINS)
Attachments: Twinham 34 Hurst Road Hassocks - Drainage Calculations Rev04 .pdf; 63770-10D.pdf; 63770-11B.pdf; 63770-12.pdf

Dear Emma,

Thank you for your email and for your call earlier today.

Please find attached the revised drainage calculations Revision 4 for the above site.

I have ensured that both the summer and winter CV values are set to 1 on all calculations, as requested.

The combined drainage system has been simulated for the 360-minute (winter/summer) and 120-minute (winter/summer) storm events, based on the worst-case results obtained from the design of the attenuation tank and rain garden for the 1 in 100-year +45% climate change scenario.

The half-drain time is unlikely to exceed 374 minutes, which represents the combined half-drain times of the attenuation tank and the rain garden.

To account for this, I have simulated the combined system for 480 minutes to reflect the cumulative effect on the overall drainage performance.

The drawing has been updated accordingly.

I hope this meets your requirements and look forward to the discharge of the planning condition.

Kind regards,

Jethro Sifflet

From: drainage <drainage@midsussex.gov.uk>
Sent: 29 October 2025 11:15
To: Jethro Sifflet [REDACTED]
Cc: Steven King <Steven.King@midsussex.gov.uk>; drainage <drainage@midsussex.gov.uk>; Joanne Fisher <Joanne.Fisher@midsussex.gov.uk>; David Thompson <David.Thompson@midsussex.gov.uk>
Subject: 2025.10.29 Re: DM/25/1535 - Twinham, 34 Hurst Road, Hassocks, West Sussex - Follow on from Telephone call today 10:25am 29.10.25 (28MINS)

Dear Jethro,

Many thanks for taking my call this morning. As discussed, we require the following details to be able to re address the application (as emailed from Steve King to Tim on the 28th October). You mention

you had not had an opportunity to review that email, I am pleased we have now spoken and gone through the comments of the 15th October 2025 and subsequently 28th October 2025 to align - thank you for working with me on this.

- *A CV value of 1 has still not been applied to both the summer and winter events in the combined design simulation (Network) of the attenuation tank and rain garden.*
- *The combined design simulation (Network) of the attenuation tank and rain garden need to include the raingarden infiltration feature as the outfall so it can be demonstrated that it is sufficiently sized. These calculations also need to include the half drain time for the raingarden. The results from these calculations should still be run for the critical storm durations.*
- *The source control calculations provided are not sufficient at demonstrating the raingarden is adequately sized or that it has a satisfactory half drain time.*
- *The invert level and dimensions of the cellular storage within the combined design simulation (Network) are not consistent with the information on the layout.*

Please do send the revisions as discussed over to drainage@midsussex.gov.uk and cc in Steve King and Joanne Fisher for clarity.

Any issue of course let me know.

Best Wishes
Emma

Flood Risk and Drainage Co-Ordinator
Corporate Estates & Facilities Business Unit
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