

From: David Spragg <david@dsequine.com>

Sent: 22 April 2026 10:24

To: Caroline Grist <Caroline.Grist@midsussex.gov.uk>; richard jarvis
<richardjarvis@hotmail.com>

Subject: Re: Automatic reply: DM/25/0308 & DM/25/0709: Plummerden House, Park Lane, Lindfield

Dear Caroline,

Thank you for your e mail. I have been discussing with our drainage team about the information provided.

One item has been raised which we can't see within the drilling log but was sent via e mail. See below highlighted in yellow.

1300 litres of water was pumped into the borehole over a period of 5m 36s and no head of water could be achieved. This equates to a minimum discharge rate of 3.87l/s, although the true maximum discharge rate may in fact be considerably higher.

If an infiltration rate is required, a value of $2.0 \times 10^{-2} \text{m/s}$ is recommended. Such a figure is extremely rapid but not implausible in fissured strata. The figure is in fact conservative and assumes a head of water did occur during the test but that the discharge was too rapid to accurately measure. The water level would have been dropping around 0.10m per second and will have taken a matter of seconds to fully discharge, which is quicker than can be measured.

Can you forward this onto the drainage officer to see if he has had sight of this. In our discussions, we feel that possibly a higher discharge rate needs to be verified, it will be necessary to introduce a larger volume of water into the borehole at a faster rate, possibly using a water tanker to achieve a constant head etc. This more intensive testing we are happy to undertake to address the concerns of the drainage officer.

On the mitigation question of where the BMX track is located. The mitigation can still be undertaken with native tree species planted at a dense rate to re-establish the woodland. The BMX track would run within the woodland.

I trust that the above clarifies things.

Many thanks,

David