

[REDACTED]

Pl upload.

Thanks



[REDACTED]

Hi David,

Thanks for your email.

We agree with Arun District Council's (Engineering Services) objection and their technical response to the proposed drainage strategy, dated 2nd April, that points 1-7 should be addressed to overcome this objection.

Please take this as the LLFA's updated formal response to AB/88/19/PL.

Kind Regards

[REDACTED]

West Sussex County Council

[REDACTED]

Hi Kevin,

Please see email trail below.

I was wondering if you could give an indication as to when we could hear a formal response from WSCC Flooding?

With thanks,

David Spring B.Sc, M.Sc, M.A

[REDACTED]



[REDACTED]

Hi David

I have spoken to WSCC (consider that the consultation!), they are probably going to support what ever we say, however, we need to wait for the formal response. Perhaps drop an email to Kevin Brook below regarding timescales (he has seen our latest response).

[REDACTED]

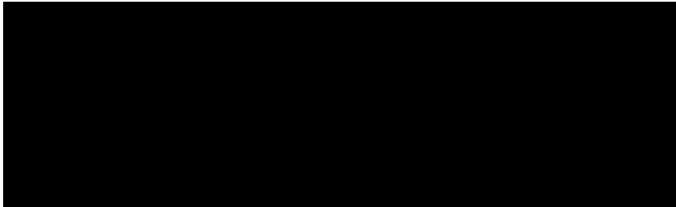
Regards

Paul Cann
Principal Engineer (Drainage)

[REDACTED]



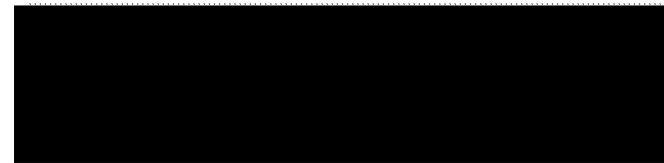
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Paul,

Can you take this one from here – i.e. Ray & co

R



Hi Roger,

Thank you both for that response. In terms of your e mail:

‘The above details are the minimum required in order to aid further discussions. Please note that WSCC (the Local Lead Flood Authority) will also be providing a response.’

Juan is asking for the final report tomorrow. Have WSCC LLFA been re-consulted? When do you think they will have a final consultation response?

With regards,

David Spring B.Sc, M.Sc, M.A



[REDACTED]

Juan,

The expiry date is, as I think I have said previously, a slight red herring, as I believe the drainage has been redesigned during the period and there would seem to be scope for further discussion.

Notwithstanding, we will WSCC for a response as LLFA.

Regards,

Roger

[REDACTED]

David

I know that you have prepared a draft report but can you now complete it by adding this advice with a recommendation to refuse. Can this please be done by tomorrow so I can pass report through to Neil early next week as the EOT runs out on the 10 April.

Thanks

[REDACTED]



[REDACTED]

Hi Juan/David

Based upon the current proposals, our objection still stands. To try and overcome this objection, the applicant might like to take account of the following observations/suggestions;

1. Fluvial flood water (designing against the 1 in 100 yr +105% modelled event) will still overwhelm the car park drainage and parts of the roof drainage system (The roof water currently discharges into the system serving the permeable surfaced car park). Consider separating the roof water from the system serving the permeable pavement. I.e. provide at least two separate outfalls (possibly three bearing in mind item 2 below) to the watercourse/s with independent hydrobrakes and flap valves. Sealing all components of the roof water system below 4.12m AOD to prevent fluvial flood water inundation i.e. sealed manhole covers, etc. Accept that the permeable pavement system will be inundated with fluvial flood water, since there is little that can be done to prevent flood water entry. Compensate for this by overdesigning the permeable pavement storage (factor to be agreed).
2. Tank access for maintenance is still an issue. Whilst an attempt has been made to address this, the western tanks having slightly better access than the eastern tanks, however, this still falls short of what is required. Perhaps consider moving the western storage from beneath the building to the area between Ford Rd and the building, ensuring cover levels are set above 4.12m AOD and sealed for good measure? Can this option be achieved? Connect this system independently to the northern watercourse.
3. Suitable access to the eastern tanks –including the orifice control is a challenge. Full safe access is required to all tank sections/link pipes, etc for inspection/cleaning. The fact that access points will be at a height of around 1.5m above ground level is also a key point here and a safe form of access will need to be provided. Whilst a low flow channel and rodding points will provide some help, it is not considered a total solution and needs further investigation to see what is possible. This is where the building would benefit from a blue roof arrangement as an alternative arrangement.....
4. Orifices to be protected by perforated filters to reduce risk of blockage.
5. All RWP's to connect to tanks at soffit to soffit level and somehow incorporate silt traps (roofs still produce siltation due to leaf fall collected in gutters/moss growing on the roof, etc). Provide a safe means of access to rodding eyes/silt traps.
6. Both systems to store 1 in 100 year event + 40% (without flooding) and designed against a surcharged outfall i.e. assume ditch is full to top of bank. Also simulate discharge (roof water systems) against predicted flood level of 4.12m AOD.
7. Details of low flow channel for tanks/gradient/tank material/link pipes to be min 300mm diameter.

The above details are the minimum required in order to aid further discussions. Please note that WSCC (the Local Lead Flood Authority) will also be providing a response.

Juan/David - Please can you advise in respect to the exception test. I cant recall what was agreed by yourselves.

Regards

Paul Cann
Principal Engineer (Drainage)





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<http://www.arun.gov.uk>

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