

From: Ryan Hofman
Sent: 23 January 2018 10:47
To: Paul Cann
Cc: ken watkinson
Subject: RE: Yapton

Thanks Paul that's great!

Kind Regards,

Ryan Hofman BEng (Hons) CEng MICE | Lead Engineer

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From: Paul Cann [mailto:Paul.Cann@arun.gov.uk]
Sent: 23 January 2018 10:23
To: Ryan Hofman
Cc: ken watkinson
Subject: RE: Yapton

Yes happy with the calcs/methodology

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: Ryan Hofman [REDACTED]
Sent: 23 January 2018 10:21
To: Paul Cann
Cc: ken watkinson
Subject: RE: Yapton

Thank you Paul, we will get in touch with them.

From your point of view, are you happy with calculations and connection methodology to the permeable pavement?

Kind Regards,

Ryan Hofman BEng (Hons) CEng MICE | Lead Engineer

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From: Paul Cann [<mailto:Paul.Cann@arun.gov.uk>]
Sent: 23 January 2018 09:59
To: Ryan Hofman [REDACTED]
Cc: ken watkinson [REDACTED]
Subject: RE: Yapton

Hi Ryan

I have spoken to our Building Control and they have confirmed that they were not involved in the development. An approved inspector was used (London Building Control Tel [REDACTED]) so I would suggest having a chat with them.

Calcs are fine.

Regards

Paul Cann
Senior Engineer (Drainage & Coastal)

Paul Cann | Senior Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor,
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From: Ryan Hofman [REDACTED]
Sent: 19 January 2018 15:53
To: Paul Cann
Cc: ken watkinson
Subject: RE: Yapton

Paul,

Thank you for this, I will advise ken to up the drawing to reflect this.

In reference to discharging the roof runoff into the permeable paving. See CIRIA fact sheet attached. This basically concludes that as long as the ratio of drained surface area to base (infiltration area) is less than 10:1, the risk to foundations (wash out of fines) is considered low. In this instance we are proposing to create the overflow points 5m from the edge of the building therefore further reducing the risk.

If you could please pass this by building control to see if they are in agreement with this principle. FYI the drained area to base infiltration area is approximately 1.7:1 (600sqm total drained area (360sqm paving + 240sqm roof) vs 360sqm permeable paving infiltration area), this is well below the maximum of 10:1.

Also see attached calculations to match. These show that maximum water level would reach 141mm within the sub-base. Total construction is shown to be 350mm, so plenty of storage and this is not including the storage in the existing soakaways.

I hope this is suffice in terms of calculations. Please let me know if you have any other questions.

Kind Regards,

Ryan Hofman BEng (Hons) CEng MICE | Lead Engineer

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From: Paul Cann [<mailto:Paul.Cann@arun.gov.uk>]

Sent: 19 January 2018 11:55

To: Ryan Hofman [REDACTED]

Subject: Yapton [REDACTED]

Hi Ryan

Just a thought about the above and if u intend to lay the pipe between the rear soakaways and down the side of the buildings. Apart from root protection, I think it will be wise to protect the pipe from damage due to how shallow it is going to be. Perhaps concrete protection (may affect grass growing?) or ductile iron pipe?

Regards

Paul Cann

Senior Engineer (Drainage & Coastal)

Paul Cann | Senior Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor,
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