

From: Amanda Scholes on behalf of Planning.Responses
Sent: 02 December 2020 11:02
To: Planning Scanning
Subject: FW: Land at Stakers Farm, Yapton - Y/71/20/RES & Y/72/20/RES

Amanda Scholes | Receptionist, Department, [Arun District Council](#) | Location: Ground Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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Save the environment - think before you print.

From: Simon Davis <Simon.Davis@arun.gov.uk>
Sent: 01 December 2020 12:02
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Subject: FW: Land at Stakers Farm, Yapton - Y/71/20/RES & Y/72/20/RES

Further Drainage Engineer Consultation Comments

(please add to both applications)

From: Paul Cann <Paul.Cann@arun.gov.uk>
Sent: 01 December 2020 09:47
To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>; Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: Land at Stakers Farm, Yapton - Y/71/20/RES & Y/72/20/RES

Hi Both

I do recall agreeing the half drain time to be achieved must accommodate the 1 in 10 year storm event as a minimum, as they were having difficult achieving the 1 in 100 event + CC. I may have forgotten to say that climate change allowance needs to be added to the 1 in 10 year event too but I thought that would have been obvious.

I assume they are now having difficulty accommodating the climate change allowance for the 1 in 10 event?

Regards

Paul Cann
Principal Drainage Engineer
Engineering Services

T: 01903 737819
E: paul.cann@arun.gov.uk



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From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 01 December 2020 09:22
To: Simon Davis <Simon.Davis@arun.gov.uk>
Cc: Paul Cann <Paul.Cann@arun.gov.uk>
Subject: RE: Land at Stakers Farm, Yapton - Y/71/20/RES & Y/72/20/RES

Hi Simon,

I don't know as I can answer whether the previous emails regarding half drain time are sufficient to validate their point or not, and suggest that is for somebody higher than myself to decide. As I have indicated previously however our checklist is clear on the requirement and this has been around for about two years.

Regarding the pipe velocities

Pagham Application- I took this application on part way through and my remit was to close out the comments already raised. Furthermore, the pipe with the velocity referred to was not at full bore in calculations, a review of hydraulic properties tables demonstrates that the designed pipe does achieve 1m/s at full bore. The same can be said about the other pipes in the calculations.

Angels Nursery- the calculations on the system are not the latest calculations, pipe velocities were greatly improved. And again, based upon hydraulic properties tables minimum falls are provided.

We would recommend that the applicant should achieve pipe velocities of 1m/s at full bore. If they cannot achieve this and have done all that they can to achieve this we will take a further view on this matter but the vast majority of pipes must achieve 1m/s.

Kind regards,

Laura Gibbons

Drainage Engineer

Engineering Services

Please note that I work Tuesdays 08:00-16:00 for Arun only.



T: 01903 221374

E: laura.gibbons@arun.gov.uk [REDACTED]

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF

From: Simon Davis <Simon.Davis@arun.gov.uk>
Sent: 24 November 2020 16:26

To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Cc: Paul Cann <Paul.Cann@arun.gov.uk>
Subject: FW: Land at Stakers Farm, Yapton - Y/71/20/RES & Y/72/20/RES

Laura,

Further to your email this morning (which I passed on), I have the following reply. Can you advise please.

From: Kate Little [REDACTED]
Sent: 24 November 2020 15:11
To: Simon Davis <Simon.Davis@arun.gov.uk>
Cc: Ian Beal [REDACTED]
Subject: RE: Land at Stakers Farm, Yapton - Y/71/20/RES & Y/72/20/RES

Hi Simon,

Many thanks for coming back to me, to respond in turn;

Half drain time requirement

Dandara's first contact with ADC Engineers with specific reference to this scheme occurred over a year ago on 1st November 2019 and discussions around the parameters of design have continued since. The proposals as submitted accord with clearly stated principles. On 17th March 2020 Arun's Principle Engineer wrote, *'You would need to satisfy the half emptying for the 10 year storm. The same applies to the 1 in 100 year + 40% storm.'* On 24 September 2020 he confirmed, *'half emptying on the 1 in 10 yr event must be achieved as a minimum.'*

Proposals have been designed to meet the requirements as identified by the Arun's Principle Engineer and as such would constitute the emphasised, 'unless otherwise agreed with the LPA engineer'.

Self-cleansing velocity

Application references BN/30/20/DOC & P/62/20/DOC are recently approved Arun schemes, the first proposes velocity of 0.49m/s, the second velocity of 0.25 m/s. The lowest velocity proposed here is 0.82m/s. Proposals are reflective of principles the Council have found acceptable elsewhere. However and if necessary we are able to amend proposals to meet 1m/s velocity.

Could please confirm whether these two outstanding points can be agreed considering the above? The drainage design is fit for purpose, meets national and industry standards and accords with the parameters ADC Engineers themselves set out as required.

Kind Regards

Kate Little
Regional Planning Manager
[REDACTED]