

From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>

Sent: 09 August 2019 13:02

To: Luke Hart

Cc: Kathryn Griffiths; Caroline Green <>; Zoe

Knott; Ryan Saul <>; Dorota Kaminska-Majkowska

<>; James Lawson; Lance Else <>;

James Hammond <>; Darren McArthur <>

Simon Davis <Simon.Davis@arun.gov.uk>

Subject: RE: Y/9818/RES and Y/97/18/DOC

Luke,

Thank you for providing the uplift calculations.

Mark up from Southern Water attached, highlighted green area is the only area they consider to be acceptable for adoption. There is reasoning regarding the basin as to why you would not get the southern network adopted. Therefore, you can make the attenuation tanks online within this area.

Thanks,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

[Laura Gibbons](#) | Engineer (Drainage & Coastal), Engineering Services, [Arun District Council](#) | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

Internal: 37818 | External: +44 (0) 1903 737818 | Fax: +44 (0) 1903 716018 | E-mail: laura.gibbons@arun.gov.uk

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From: Luke Hart

Sent: 06 August 2019 17:53

To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>

Cc: Kathryn Griffiths <[REDACTED]>; Caroline Green <[REDACTED]>; Zoe Knott <[REDACTED]>; Ryan Saul <[REDACTED]>; Dorota Kaminska-Majkowska <[REDACTED]>; James Lawson <[REDACTED]>; Lance Else <[REDACTED]>; James Hammond <[REDACTED]>; Darren McArthur <[REDACTED]>; Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: Y/9818/RES and Y/97/18/DOC

Hi Laura,

Thank you for the email/response.

Please find comments below with further information attached.

Any further queries then let me know.

Kind Regards



Luke Hart | Associate Director

BEng (Hons) CEng MICE

Tuscany House | White Hart Lane | Basingstoke | RG21 4AF

From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>

Sent: 01 August 2019 15:27

To: Luke Hart <[REDACTED]>

Cc: Kathryn Griffiths <[REDACTED]>; Caroline Green <[REDACTED]>; Zoe Knott <[REDACTED]>; Ryan Saul <[REDACTED]>; Dorota Kaminska-Majkowska <[REDACTED]>; James Lawson <[REDACTED]>; Lance Else <[REDACTED]>; James Hammond <[REDACTED]>; Darren McArthur <[REDACTED]>; Simon Davis <[REDACTED]>

Subject: RE: Y/9818/RES and Y/97/18/DOC

Luke,

Comments to points below are:

2. Please provide flotation calculations for tank 3 to support the design. Attached
3. See response to point 2 above. See above
4. Okay. Noted
5. Okay. Noted
7. Please provide freeboard between finished level of permeable paving and surrounding building finished floor levels. This should be provided so that water can pool on the surface before causing damage. It could be that permeable paving becomes clogged and water cannot get into the sub-base. This is a real risk given that you are leaving maintenance of single driveways to householders. Due to site topography and flood exceedance reviews, driveways are generally not flat. They are assessed against flooding/exceedance events and surface water routed either into the gardens, away from plots/thresholds or into the highway. Side doors to plots will have a 150mm step and the garages a 25mm lip. Should driveways/permeable paving fail then overland flood routing (similar to exceedance events) ensures that plot thresholds are not exceeded.
10. Please can detail be provided in the manual of how maintenance requirements are going to be conveyed to homeowners. I.e. are they going to receive a maintenance manual, is it going to be within the deeds anywhere, etc. The Managing Agents will be asked to contact the residents on an annual basis to remind them of their maintenance responsibilities relating to the permeable driveways, if the resident isn't prepared to undertake this themselves the Managing Agent would offer this service at an additional charge.
11. Okay. Noted

12. Having spoken to Southern Water they have stated that they would not adopt the southern network. Therefore, these tanks can be made online. Please can you pass on this correspondence as the southern sewers/system will be put forward to Southern Water for s104 adoption and we see no reason why the principles of the southern system differs to the northern (i.e with offline storage/tanks).

Kind Regards,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

Laura Gibbons | Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre,
Maltravers Road, Littlehampton, BN17 5LF

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