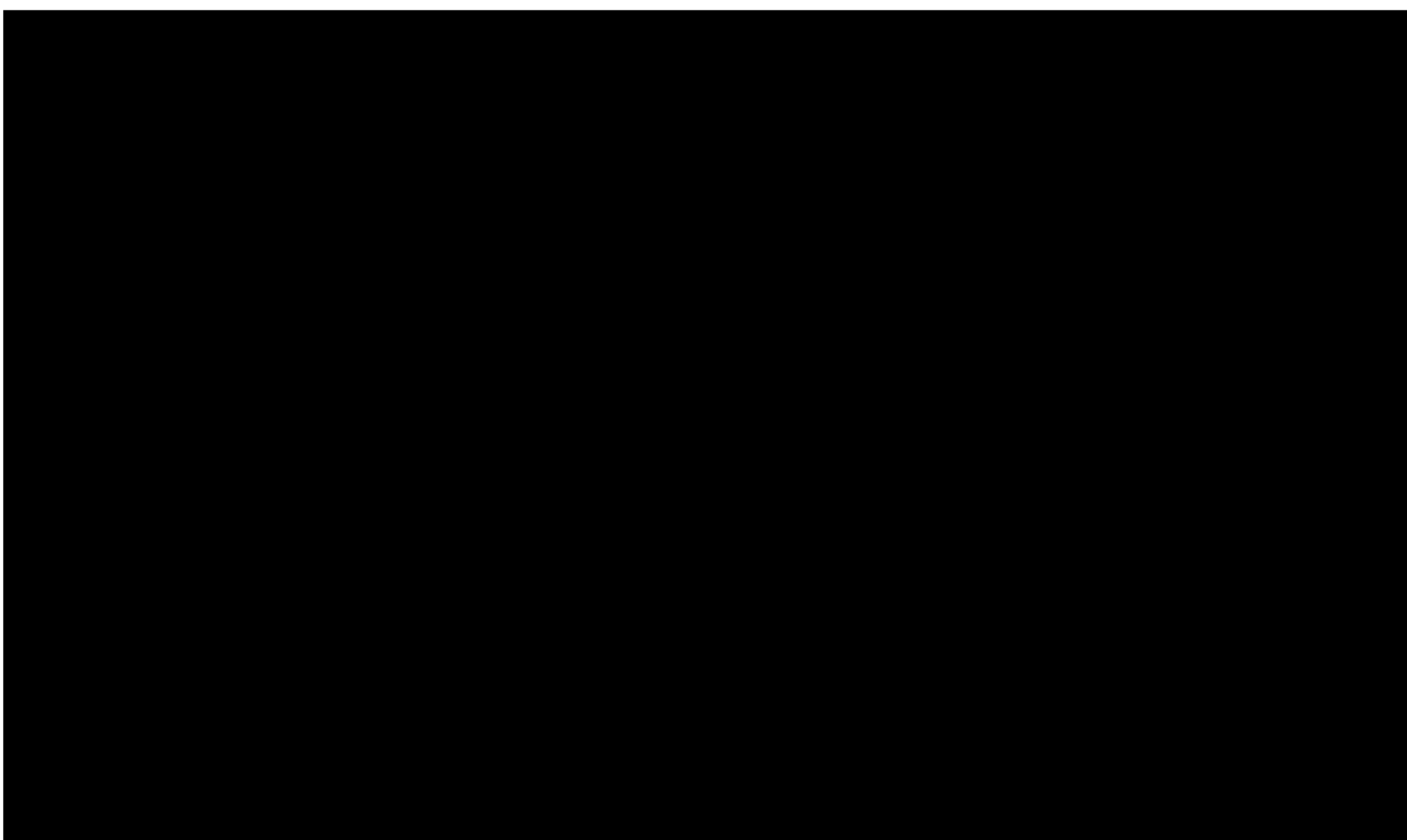




From: Sarah Burrow <Sarah.Burrow@arun.gov.uk>
Sent: 11 January 2021 17:07
To: Finlay Gardner <Finlay.Gardner@arun.gov.uk>
Cc: Planning.Responses <Planning.Responses@arun.gov.uk>
Subject: RE: As discussed. Thanks Tim. Gary

Hi Finlay,

Further information is required, as this is the second consultation I have provided, I recommend the application is refused. I have copied my previous consultation below with further comments in red.

“Please can you ask the applicant to supply a Drainage Layout (supplied drainage layout does not have sufficient detail – see below) and construction detail drawings (not supplied). I also require further clarification on the groundwater monitoring and infiltration test results; was the infiltration testing done in the monitoring pit? (stated yes) If so, was there standing water in the pit at the time of testing? (stated no) What were the dimensions of the pit (l x w x d)? (stated approx. 0.6m x 0.6m, assumed depth of 1.2m?) Are the groundwater readings from ground level or from the base of the pit? (Still unclear – normal practice is to record the groundwater level as meters below ground level – mbgl – or AOD, therefore the monitoring would show that groundwater was 1cm below ground level on 8/1/2020. I suspect that the results instead are taken from the base of the pit but this is not clear nor confirmed by the applicant.) Please can they also provide an explanation for why the infiltration tests were not carried out in succession, instead over non-consecutive days (11th, 12th, 14th March)? (Explanation given and accepted, a safety factor of at least three requested in calculations as a result). I will not be able to assess the proposal until this information has been supplied, I have not assessed the calculations at this stage. (Still not assessed as they will need to change as a result of a higher factor of safety.)

The necessary documents and detail required are set out in the Drainage Checklist which should have been mentioned in an informative on the applicant's Decision Notice. This can be found at: [Microsoft Word - Surface Water Drainage Proposals Checklist 201119.docx \(arun.gov.uk\)](#)"

In addition to the comments above I add the following:

As stated above, the Drainage Checklist, which I provided a link to, defines the level of detail required for this submission. I will set this out clearly below as the Drainage Layout which has now been supplied does not meet those requirements and therefore I must assume that the engineer was not aware of them:

With a new DOC submission the applicant is expected to supply the following:

1. A Drainage Layout. Guidance note 10 on the Drainage Checklist details what is required.
 - a. All surface water drainage pipes labelled with; diameters, pipe materials, falls and invert levels.
 - b. All infiltrating and attenuating structures (including permeable paving) labelled with; dimensions, invert and cover levels.
 - c. All manholes labelled with; cover levels, invert levels, cover types detailed.
 - d. All silt traps clearly labelled with sump depths.
2. Site specific construction detail plans for:
 - a. Pipe bed and surround.
 - b. Infiltrating structures.
 - c. Catch-pits/silt traps.
3. An impermeable area plan – in this case the additional impermeable area can be marked on the drainage layout (include the square meterage used for the calculations).
4. A plan showing the location of groundwater monitoring and infiltration testing – in this case this can also be marked on the drainage layout.
5. Updated calculations using a factor of safety of 3. The designed soakaway must have an invert level of no lower than 1.2mbgl (as this was the depth of the test pit). The soakaway must be designed for up to the 1 in 100 +40% (for climate change) event. This does not appear to be the case at present. The calculations must use the worst (slowest) infiltration rate.

Please ensure that this consultation is taken into account before making a new DOC submission. If anything is unclear the applicant is welcome to contact me directly for clarification or explanation.

Kind Regards

Sarah Burrow

Engineering Assistant, Engineering Services

T: 01903 737815

E: sarah.burrow@arun.gov.uk

Whilst national restrictions are in place I will be working flexibly between the hours of 8am and 8pm. I appreciate your patience if I am slower than usual to respond. Equally I understand that you may be facing similar challenges and varying work patterns and will not be expecting immediate responses to my e-mails.

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From: Finlay Gardner <Finlay.Gardner@arun.gov.uk>

Sent: 11 January 2021 13:54

To: Sarah Burrow <Sarah.Burrow@arun.gov.uk>

Subject: FW: As discussed. Thanks Tim. Gary

Hi Sarah,

Is this enough information to discharge the condition or is more required?

Thanks

Finlay

Finlay Gardner
Planning Officer,
Planning Department

T: 01903 737915

E: finlay.gardner@arun.gov.uk



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From: gary longhurst [REDACTED]

Sent: 11 January 2021 12:58

To: Finlay Gardner <Finlay.Gardner@arun.gov.uk>

Subject: Fw: As discussed. Thanks Tim. Gary

Hi Finlay, please find attached details from Tim Murray as discussed. The infiltration test was carried out in the monitoring pit when empty from memory. I have explained the break on the 13th March to you. The depth was as directed and the pit was approx 60 cm (width and depth.) Hope this helps.

Regards and thank you for your help on this matter.

Gary Longhurst

From: Tim Murray [REDACTED]

Sent: 08 January 2021 15:37

To: gary longhurst [REDACTED]

Subject: RE: As discussed. Thanks Tim. Gary

Hi Gary

Block plan attached with soakaway and surface water drains marked on.

Best Regards

Tim

Sent from Mail for Windows 10

From: gary longhurst

Sent: 07 January 2021 16:30

To: Tim Murray

Subject: As discussed. Thanks Tim. Gary

Sent from my iPhone