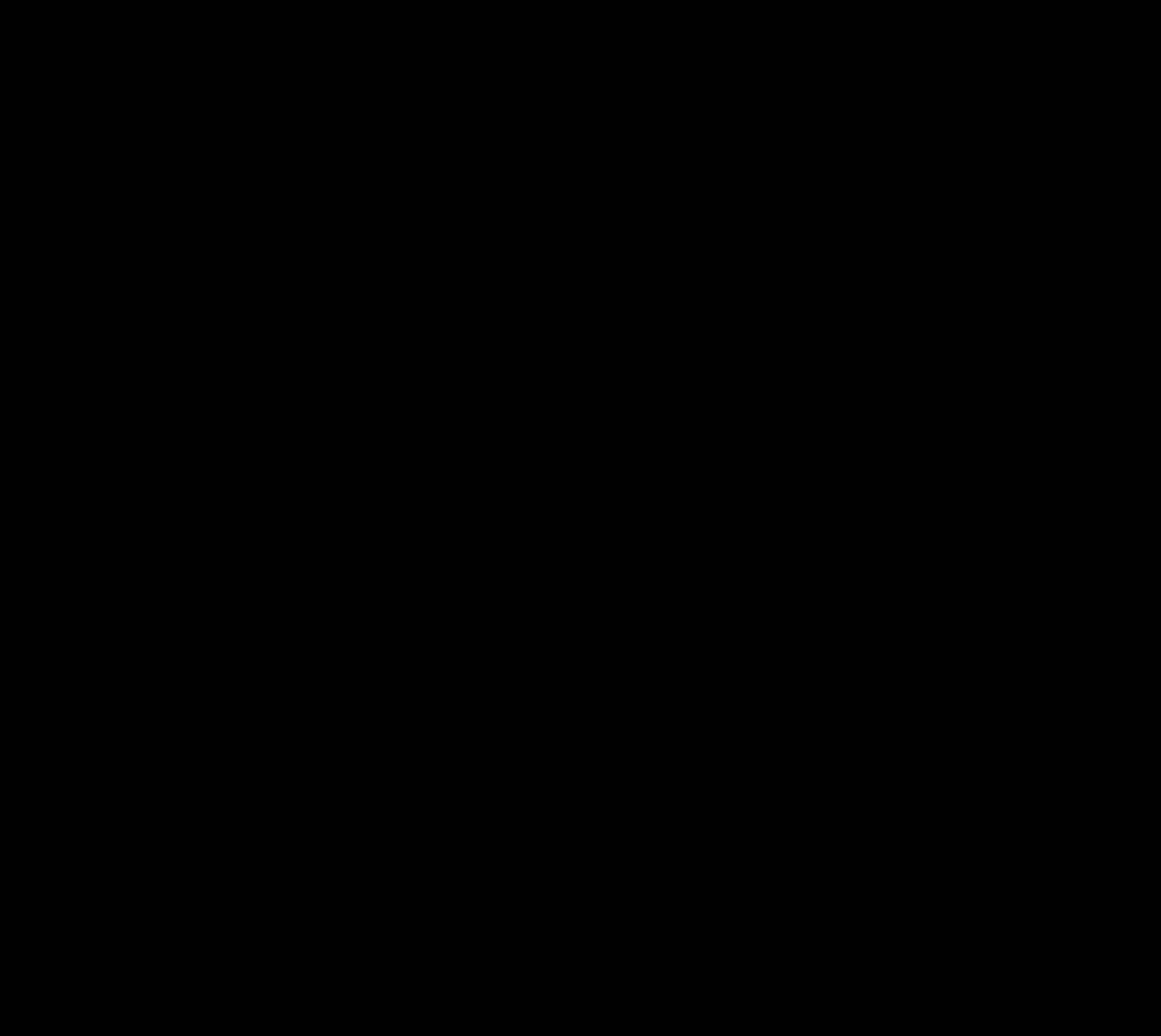




From: Sarah Burrow <Sarah.Burrow@arun.gov.uk>

Sent: 07 September 2022 11:03

To: Planning.Responses <Planning.Responses@arun.gov.uk>

Cc: Amber Willard <Amber.Willard@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>

Subject: RE: Planning Consultation on: AL/59/22/DOC

Engineers Comments Regarding Surface Water Drainage

Thank you for consulting us on this DOC submission. I have picked up on the following points that require further explanation, adjustment or detail:

1. Groundwater level was noted at 1.31m bgl on the day of the excavation on 16 March 2022 but no further levels have been provided. Please provide any further monitoring observations, particularly after rainfall. Agreement has not been sought from this department for a reduced monitoring period.
2. The site is on the outer limit of a groundwater protection zone, please consult the Environment Agency about proposals to infiltrate surface water in this area. In the absence of a consultation it is suggested that infiltration structures are kept at shallow depth. We would be prepared to accept the difference in depth of

infiltration testing and base levels of proposed soakaways on this basis. - The trial pit depth was 1.2m bgl into silty GRAVEL, locally chalky strata. However, the designed soakaways are set at 0.9m bgl into silty CLAY with flint gravel strata.

3. If the drainage calculations only account for runoff draining from impermeable surfaces, then the calculations should use a CV of 1.0. The requirement to use CV 1.0 is based on recent clarifications from HR Wallingford which suggest the values of 0.84 and 0.75 often used are in error and confirm that a value of CV = 1 should be used in situations where runoff from only the impermeable areas is considered. It is noted that CV 1.0 is only considered applicable to the sizing of the SuDS, and pipework may still be designed to lower values.
4. Please provide an impermeable area plan showing clearly which roof areas are draining to each soakaway. It is expected that the gross area of the extension is drained into the new soakaways with no consideration of the former impermeable area. Calculations may need to be adjusted to reflect this.
5. Please provide calculations for the 1 in 10 year +40% storm event. These are required to check if the invert level of the incoming pipe to the soakaway is set above the critical storm for this event.
6. The drainage layout requires further detail. Please see guidance note k on our [drainage checklist](#) for a detailed list of our requirements for drainage layout drawings.
7. Please specify and provide details for the soakaway crates to be used. Ensure cover depth is appropriate for the specified crates.
8. We require further detail for the construction detail drawings.
 - a. Please specify invert level of incoming pipe on construction detail drawing.
 - b. Please detail the sump depth of the silt trap – to be minimum of 300mm. Please also include bed and surround.
 - c. Please include construction detail for pipe bed and surround, it is expected that class z is used where crown of pipe is less than 1200mm in vehicular areas or less than 900mm under other areas.

It is also noted that recent changes have been made to climate change allowances. As this proposal was submitted prior to these changes being made, this does not need to be considered as part of this submission.

On the basis of the above it is not recommended that condition 5 imposed under AL/116/21/HH is discharged at this time. Please reconsult me once further information and detail has been provided.

Kind regards

Sarah Burrow
Engineering Assistant, Coastal Engineers and Flood Prevention

T: 01903 737815

E: sarah.burrow@arun.gov.uk



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From: Planning.Responses <Planning.Responses@arun.gov.uk>

Sent: 12 May 2022 08:34

To: Land Drainage <Land.Drainage@arun.gov.uk>

Subject: Planning Consultation on: AL/59/22/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

Application No: AL/59/22/DOC

Registered: 11th May 2022

Site Address: Field Place Nyton Road Aldingbourne PO20 3UA

Description of Works: Approval of details reserved by condition imposed under AL/116/21/HH relating to condition 5-surface water drainage.

The Council have received the above application to discharge conditions. I shall be pleased to receive any observations you may wish to make in respect of those conditions relating to your field of expertise.

[Click here to view the Discharge of Condition application](#)

[Click here to view conditions on original application - click on decision tab](#)

Should you wish to make any comments click on the link www.arun.gov.uk/planning and click into ?Enter Comment? or if this is not possible email your response to planning.responses@arun.gov.uk by **26th May 2022**.

Please be aware that any comments you may make will be available on our website so please do not insert personal details or signatures on your reply.

In the absence of a reply within the period stated, I shall assume that you have no observations to make.

Yours sincerely

Mrs D Johnson

Planning Case Officer- Arun District Council

Telephone: 01903 737762

Email: daun.johnson@arun.gov.uk

PLCONDOC (028) 2020