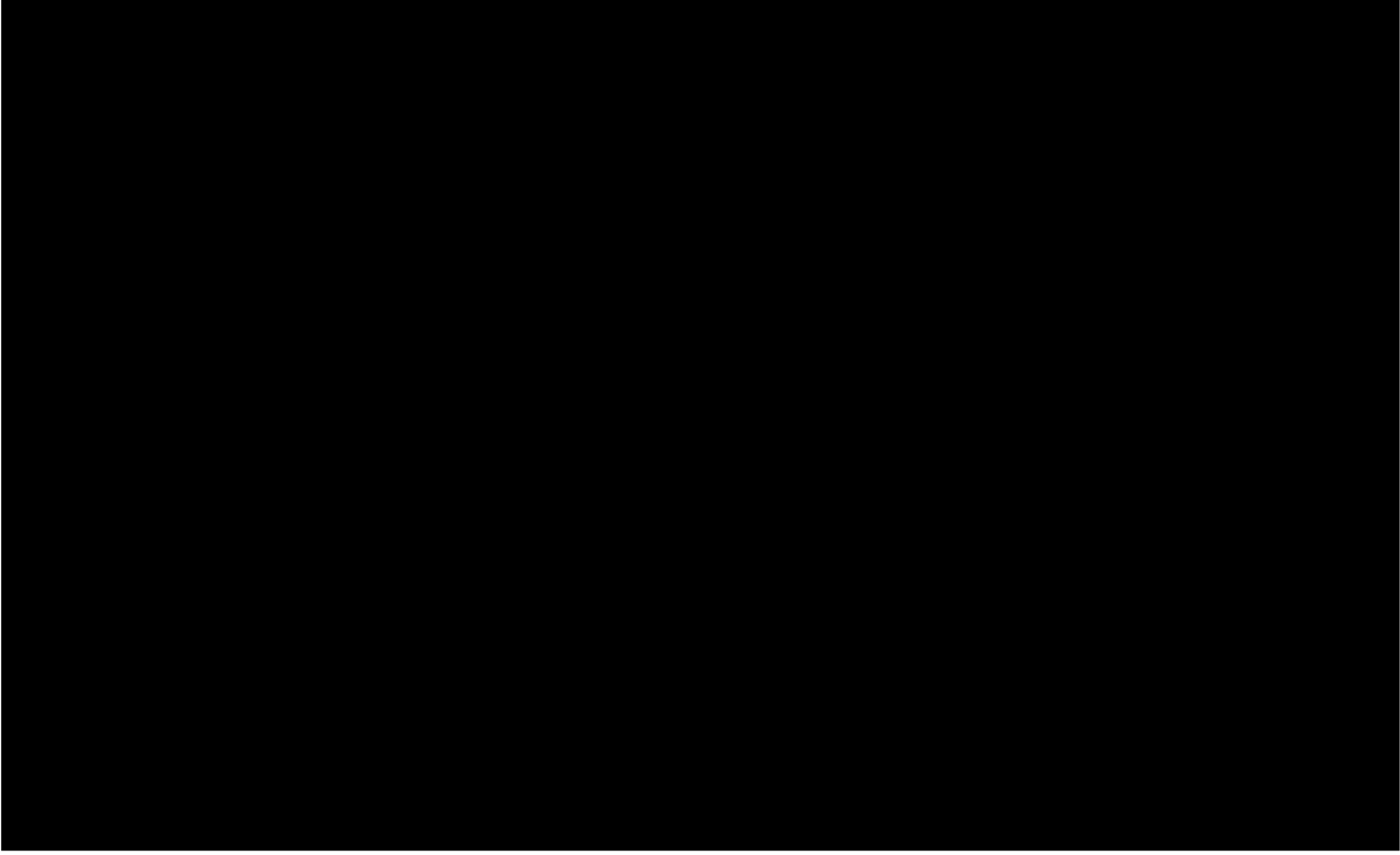




From: Roger Spencer <Roger.Spencer@arun.gov.uk>

Sent: 08 June 2022 13:17

To: Katie Sharp <Katie.Sharp@arun.gov.uk>; Land Drainage <Land.Drainage@arun.gov.uk>

Cc: Paul Cann <Paul.Cann@arun.gov.uk>

Subject: RE: Drainage Comments A/88/22/DOC

Dear Katie,

The DOC Application is assumed to have been submitted to address issues raised in part by residents concerned with 'visible' flooding and also in relation to the construction not being in accordance with the approved plans. I will concern myself with the latter.

Whilst the Application has been passed to external consultants, ahead of their assessment I would provide the following initial observations.

There are no calculations to support the proposals, they would be required in order to review the design – the application should follow the guidance set out in our checklist available on the website.

A plan showing catchment areas would be required to be able to undertake that assessment. The ground within which the swales are sited would seem to be predominantly made (or non-virgin) ground and therefore infiltration needs to be quantified. It follows that groundwater may not be an issue but if it is an issue then flotation calculations need to be provided if any of the swales/SuDS are intended to be lined; if they are unlined then there needs to be sufficient freeboard between highest groundwater and the base of the feature.

Unfortunately, it is unclear whether or not they are intended to be lined. There doesn't seem to be any outflow from the swales so they may be infiltrating or be surcharge storage, which would then drain back into the underground infiltration features. This needs to be fully explained in a drainage strategy for the remedial works. "Central Public Open Space remedials SHC-ANG-RR-02" is not sufficient for this purpose.

From the photos supplied, it is assumed that the works are complete, so whether or not they are acceptable, we would need accurate as-built drawings.

The areas of surface filling shown on drawing SH-502 A titled "Drainage remedials Swales as-builts Sheet 1" would seem to address a ponding issue – i.e. filling low points so that no ponding happens – this would push the water to nearby impermeable areas rather than being naturally permeable areas – this would seemingly change the calculations done as part of the original design and therefore need to be re-assessed as part of the calculations mentioned above.

In essence I suggest that the Application should be refused due to lack of information.

Regards,

Roger Spencer
Engineering Services Manager, Place

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From: Katie Sharp <Katie.Sharp@arun.gov.uk>

Sent: 07 June 2022 14:44

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

Cc: Paul Cann <Paul.Cann@arun.gov.uk>; Roger Spencer <Roger.Spencer@arun.gov.uk>

Subject: Drainage Comments A/88/22/DOC

Hello,

Please would it be possible to get comments on DOC application A/88/22/DOC for condition 3? They are seeking to include Swales into the scheme for SuDS.

Thank you in advance.

Kind regards,

Katie Sharp

Strategic Development Principal Planning Officer

T: 01903 737832

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