

From: Anita Gardner <Anita.Gardner@arun.gov.uk>
Sent: 03 July 2020 09:38
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Subject: FW: F/10/20/DOC - South Yard B Wicks Farm

Please scan as e-mail from agent

Anita Gardner
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From: John Hall [REDACTED]
Sent: 02 July 2020 11:21
To: Thomas Smith [REDACTED]
Cc: Anita Gardner <Anita.Gardner@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>; Sarah Burrow <Sarah.Burrow@arun.gov.uk>; Keith Langmead [REDACTED]
Subject: RE: F/10/20/DOC - South Yard B Wicks Farm

Hello Thomas,

I believe that Sarah Burrow (ADC Engineer) has spoken directly to you about this today and her further comments to previous emails are shown in red below.

Please could you deal with these final points without delay and copy in all those included in this email.

Many thanks, John.

John Hall MBA MCIOHort
John Hall Consulting Ltd.
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Felpham
West Sussex
PO22 7LR



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

Sent: 02 July 2020 10:43

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

Cc: Paul Cann <Paul.Cann@arun.gov.uk>; John Hall <[REDACTED]> Thomas Smith

Subject: RE: F/10/20/DOC - South Yard B Wicks Farm

Hi Anita,

I have assessed the latest submission on the basis of my previous comments (below) my latest comments are in red. At present it is not possible to recommend discharge of the condition as some of the requested details have not been provided. You will see I have also recommended that they reconsider the design. This is not a requirement, just a suggestion.

1: As the soakaway acts as a blanket with an effective depth of 0.3m it is appropriate to use the base for the calculations. However, the soakaway invert level is at 0.8mbgl, this depth does not correspond with the infiltration test depth of 1.77mbgl. If the infiltration test results are to be used then the soakaway base should be at the same depth as the testing (noted that this was at the top of the chalk stratum with clay above). There are two options:

- a) Make the soakaway deeper to correspond with the existing tests. The deeper soakaway may have to utilise the sides only for the calculations, please contact us to agree this in advance of a further submission. This has technically been done, however, considering that other elements of the DOC need revision it is recommended that the design is revisited. At present the previous 'blanket' solution has been placed at a lower depth. It is questioned whether it may be more appropriate to redesign the soakaway dimensions to maximise the allowable side infiltration and reduce the volume of excavation.
- b) ~~Carry out winter infiltration tests at the depth of the proposed soakaway and use these to inform the design, utilising the base in the calculations.~~ Not applicable.

2: The Drainage layout requires more detail. We would expect to see the following as a minimum:

- a) Cover levels, types and invert levels for all inspection chambers and silt trap. Cover types not included. Even if just a description of types according to loading in the notes. It is also not clear that the final inspection chamber is a silt trap/catch pit. Please make this clear on the key and include a sump level.
- b) ~~Pipe diameters, pipe types and gradients/falls.~~ Done
- c) ~~The exact dimensions of the proposed soakaway, the crates to be used noted on this drawing.~~ Done

3: We expect to see construction detail drawings for all components including: Not provided

- a) Pipe bed and surround
- b) Inspection chambers and silt traps
- c) Soakaway

Kind Regards

Sarah Burrow

Engineering Assistant, Engineers

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