



From: Sarah Burrow <Sarah.Burrow@arun.gov.uk>
Sent: 20 April 2021 17:12
To: Maria Tomalova <Maria.Tomalova@arun.gov.uk>
Cc: Planning.Responses <Planning.Responses@arun.gov.uk>
Subject: RE: Planning Consultation on: AL/31/21/DOC

Engineers Comments Regarding Surface Water Drainage

Apologies for the delay in providing a consultation response. I have been waiting on electronic copies of the documents as the scan quality of images and geological data is not clear on the public portal. These documents have not been provided so the consultation response is based upon the information which is legible.

I have the following points which require attention, listed numerically for ease to refer back to later:

1. Please provide more detail regarding the infiltration testing completed on site. My initial impression is that;
 - a. The test was completed in an undersized pit (0.3m x 0.3m x depth, instead of min 0.3m x 1m x depth). Please confirm whether or not further tests have been undertaken in accordance with BRE365.
 - b. The depth of the test (0.8mbgl) does not correspond with the depth of the proposed soakaway (1.3mbgl). Without being able to read the geological data it is not possible to assess the potential impact of this difference.
 - c. Only one infiltration rate has been given and this is based on an approximate time with an infiltration rate based on experience/estimation. If three tests were completed please provide all results. Please provide appropriate calculations for the infiltration rate and use the worst case (not the average) for the design.
 - d. No date has been provided for the infiltration testing – please confirm when infiltration testing was completed.
 - e. No location appears to be shown on Proposed Site Plan Storm Drainage Dwg 17-1197-DR501 for the infiltration tests or the groundwater monitoring points. Please add the locations to the drawing.
2. The 'Roof Stormwater Soakaway Calculations' will require adjustment following a potentially updated infiltration rate, however, the following figures also require amendment;
 - a. Rainfall ratio r should be set to 0.35 for this region.

- b. It is not clear where the 40% allowance for climate change is being applied, this should be applied to the rainfall data.
3. Please provide an inspection chamber at the connection between SW06 and SW04 on the drainage layout.
4. The arboricultural report states in paragraph 11.2 that a construction exclusion barrier will be in place for the protection of trees in the eastern part of the site. The area is to be "afforded protection at all times during development process; strictly no access, construction activities, mixing materials or storage will be allowed." Yet the surface water drainage design routes pipes through the area and sites a significant soakaway within the area. Furthermore, the Alder shown on the Drainage Layout appears to be being retained (as it is not located within the site), as such the roots of this tree should be considered in the drainage design. At present the surface water drainage design appears to be in direct conflict with the arboricultural report. Please ensure that the tree officer is aware of the conflict at the time of his consultation response.

Please consider all of the above points and amend the design accordingly. I am happy to provide one further consultation on submission of further information, however, it is anticipated that the design will require significant changes in order for the drainage design to harmonise with the arboricultural report and as such it may be more appropriate to refuse this application and resubmit once all the details have been finalised and my points cleared.

Kind Regards

Sarah Burrow

Engineering Assistant, Engineering Services

T: 01903 737815

Current working pattern: Monday 8am-2:30pm, Tuesday 8am-5:30pm, Wednesday 8am-5pm, Thursday 8am-5:30pm, Friday 8am-11:30am.

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From: Sarah Burrow

Sent: 07 April 2021 11:35

To: Maria Tomalova <Maria.Tomalova@arun.gov.uk>

Subject: RE: Planning Consultation on: AL/31/21/DOC

Hi Maria,

Have you had any luck getting hold of the electronic copies of these documents yet? I am hoping to review them today or tomorrow as I am on leave on Friday and Monday.

Kind Regards

Sarah Burrow

Engineering Assistant, Engineering Services

T: 01903 737815

E: sarah.burrow@arun.gov.uk
[REDACTED]

Current working pattern: Monday 8am-2:30pm, Tuesday 8am-5:30pm, Wednesday 8am-5pm, Thursday 8am-5:30pm, Friday 8am-11:30am.

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From: Sarah Burrow
Sent: 31 March 2021 11:37
To: Maria Tomalova <Maria.Tomalova@arun.gov.uk>
Subject: RE: Planning Consultation on: AL/31/21/DOC

OK thanks Maria,

I will also provide an ADC consultation response once I have the documents, I just need to be sure that it will meet the EA's approval due to the location.

Kind Regards

Sarah Burrow
Engineering Assistant, Engineering Services



T: 01903 737815
E: sarah.burrow@arun.gov.uk
[REDACTED]

Current working pattern: Monday 8am-2:30pm, Tuesday 8am-5:30pm, Wednesday 8am-5pm, Thursday 8am-5:30pm, Friday 8am-11:30am.

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From: Maria Tomalova <Maria.Tomalova@arun.gov.uk>
Sent: 31 March 2021 11:36
To: Sarah Burrow <Sarah.Burrow@arun.gov.uk>
Subject: RE: Planning Consultation on: AL/31/21/DOC

Good morning Sarah,

Thank you.

I will consult EA.

Kind regards

Maria

Maria Tomalova
Senior Planning Officer
Directorate of Place

T: 01903 737510
E: maria.tomalova@arun.gov.uk

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF
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From: Sarah Burrow <Sarah.Burrow@arun.gov.uk>
Sent: 31 March 2021 11:24
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Cc: Maria Tomalova <Maria.Tomalova@arun.gov.uk>
Subject: RE: Planning Consultation on: AL/31/21/DOC

Good morning Maria,

Please can you send me electronic copies of the documents for this application as the scan quality on the public portal is not very clear.

In addition, please can you consult the EA regarding the proposal to infiltrate in Groundwater Protection Zone 2.

Kind Regards

Sarah Burrow
Engineering Assistant, Engineering Services

T: 01903 737815
E: sarah.burrow@arun.gov.uk



Current working pattern: Monday 8am-2:30pm, Tuesday 8am-5:30pm, Wednesday 8am-5pm, Thursday 8am-5:30pm, Friday 8am-11:30am.

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From: Planning.Responses <Planning.Responses@arun.gov.uk>
Sent: 04 March 2021 11:53
To: Land Drainage [REDACTED]
Subject: Planning Consultation on: AL/31/21/DOC

To: Engineers (Drainage)

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

Application No: AL/31/21/DOC
Registered: 1st March 2021
Site Address: Land to South of Sundown Littleheath Road Aldingbourne BN18 0SR
Description of Works: Approval of details reserved by condition imposed under ref APP/C3810/W/19/3241407 (AL/62/19/PL) relating to Condition Nos 3 - surface water drainage and 4 - protection of retained trees & boundary vegetation.

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 **17th March 2021**.

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

Maria Tomalova

Planning Case Officer- Arun District Council

Telephone: 01903 737510

Email: maria.tomalova@arun.gov.uk

PLCOND00 (ODS) 2020